

TRIASSIC LITERATURE – 2016

Geoffrey Warrington

Honorary Visiting Fellow, School of Geography, Geology and the Environment, University of Leicester, LE1 7RH, UK

Email: gwarrington@btinternet.com

This compilation is based on the contents of over 500 serial titles and other publications. It is a continuation of the New Triassic Literature contributions that appeared in Albertiana up to December 2017 (44: 33–48), and includes items dated 2016, together with some pre-2016 titles that were not included in earlier compilations.

- Abbassi, N., Ghavidel-Syooki, M., Yousefi, M. & Navidi Izad, N. 2016. Cruziana ichnofacies from Nayband Formation (Late Triassic) in the Parvadeh section, southwest Tabas, east Central Iran. *Iranian Journal of Geology*, 10(38): 1-15.
- Abdolmalekai, J. & Tavakoli, V. 2016. Anachronistic facies in the early Triassic successions of the Persian Gulf and its palaeoenvironmental reconstruction. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 446: 213-224.
- Abdullin, F., Solé, J., Solari, L., Shchepetilnikova, V., Meneses-Rocha, J.J., Pavlinova, N. & Rodriguez-Trejo, A. 2016. Single grain apatite geochemistry of Permian-Triassic granitoids and Mesozoic and Eocene sandstones from Chiapas, southeast Mexico: implications for sediment provenance. *International Geology Review*, 58(9): 1132-1157.
- Adatte, T., Planke, S., Svensen, H. & Kürschner, W.M. 2016. Preface: Impact, volcanism, global changes, and mass extinction. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 441: 1-3.
- Ajirlu, M.S., Moazzen, M. & Hajialioghi, R. 2016. Tectonic evolution of the Zagros Orogen in the realm of the Neotethys between the Central Iran and Arabian plates: an ophiolite perspective. *Central European Geology*, 19(1-4): 1-27.
- Alfaró, E.M., Santos, A. & Ferrer, J.B.D. 2016. First evidence of rooting lycopsids preserved as imprints and trace fossils from the Silves Sandstone (Upper Triassic, eastern Algarve, South Portugal). *Spanish Journal of Palaeontology*, 31(1): 131-144.
- Al Hseinat, M., Hübscher, C., Lang, J., Lüdemann, T., Ott, I. & Polom, U. 2016. Triassic to recent tectonic evolution of a crestal collapse graben above a salt-cored anticline in the Glückstadt Graben/North German Basin. *Tectonophysics*, 680: 50-66.
- Al-Sheikhly, S.S., Al-Bazi, N.T.Sh. & Oboh-Ikuonobe, F.E. 2016. The Permian-Triassic boundary in the Kurdistan region of northern Iraq. *Journal of Environment and Earth Science*, 6(1): 39-51.
- Al-Suwaidi, A.H., Steuber, T. & Suarez, M.B. 2016. The Triassic-Jurassic boundary event from an equatorial carbonate platform (Ghalilah Formation, United Arab Emirates). *Journal of the Geological Society, London*, 173(6): 949-953.
- Alves, T.M. 2016. Polygonal mounds in the Barents Sea reveal sustained organic productivity towards the *P-T* boundary. *Terra Nova*, 28(1): 50-59.
- Anderson, T., Kristoffersson, M. & Elburg, M.A. 2016. How far can we trust provenance and crustal evolution information from detrital zircons? A South African case study. *Gondwana Research*, 34: 129-148.
- Anell, I., Faleide, J.-I. & Braathen, A. 2016. Regional tectono-sedimentary development of the highs and basins of the northwestern Barents Shelf. *Norwegian Journal of Geology*, 96(1): 27-41.
- Anell, I., Lecomte, I., Braathen, A. & Buckley, S.J. 2016. Synthetic seismic illumination of small-scale growth faults, paralic deposits and low-angle clinoforms: a case study of the Triassic successions on Edgeoya, NW Barents Shelf. *Marine and Petroleum Geology*, 77: 625-639.
- Anfinson, O.A., Embry, A.F. & Stockli, D.F. 2016. Geochronologic constraints on the Permian-Triassic northern source region of the Sverdrup Basin, Canadian Arctic Islands. *Tectonophysics*, 691(A): 206-219.
- Antczak, M. 2016. Late Triassic aetosaur (Archosauria) from Krasiejów (SW Poland): new species or an example of individual variation? *Geological Journal*, 51(5): 770-788.
- Antić, M., Peytcheva, I. and 7 others. 2016. Pre-Alpine evolution of a segment of the north-Gondwanan margin: geochronological and geochemical evidence from the central Serbo-Macedonian Massif. *Gondwana Research*, 36: 523-544.
- Antipin, V., Gerel, O., Perepelov, A., Odgerel, D. & Zolboo, T. 2016. Late Paleozoic and Early Mesozoic rare-metal granites in Central Mongolia and Baikal region: review of geochemistry,

- possible magma sources and related mineralization. *Journal of GEosciences*, 61(1): 105-125.
- Antonov, A.Yu. & Travin, A.V. 2016. On the problem of the scale and composition of Paleozoic and Mesozoic granitoid magmatism in the Khilok-Vitim fold belt of central Transbaikalia. *Russian Journal of Pacific Geology*, 10(2): 105-122.
- Arboit, F., Collins, A.S., Morley, C.K., Jourdan, F., King, R., Foden, J. & Amrouch, K. 2016. Geochronological and geochemical studies of mafic and intermediate dykes from the Khao Khwang Fold-Thrust Belt: implications for petrogenesis and tectonic evolution. *Gondwana Research*, 36: 124-141.
- Arboit, F., Collins, A.S., Morley, C.K., King, R. & Amrouch, K. 2016. Detrital zircon analysis of the southwest Indochina terrane, central Thailand: unravelling the Indosinian orogeny. *Geological Society of America Bulletin*, 128(5-6): 1024-1043.
- Argyriou, T., Clauss, M., Maxwell, E.E., Furrer, H. & Sánchez-Villagra, M.R. 2016. Exceptional preservation reveals gastrointestinal anatomy and evolution in early actinopterygian fishes. *Nature Scientific Reports*, 6(18758), doi:10.1038/srep18758. (10pp).
- Arkhangelsky, M.S., Zverkov, N.G., Zakharov, Yu.D. & Borisov, I.V. 2016. On the first reliable find of the genus *Tholodus* (Reptilia: Ichthyopterygia) in the Asian peripheral area of the Panthalassic Ocean. *Paleontological Journal*, 50(1): 78-86.
- Armitage, P.J., Worden, R.H., Faulkner, D.R., Butcher, A.R. & Espie, A.A. 2016. Permeability of the Mercia Mudstone: suitability as a caprock to carbon capture and storage sites. *Geofluids*, 16(1): 26-42.
- Arsairai, B., Wannakomol, A., Qinglai Feng & Chonglakmani, C. 2016. Paleoproductivity and paleoredox condition of the Huai Hin Lat Formation in northeastern Thailand. *Journal of Earth Science*, 27(3): 350-364.
- Ascrarruz, E., Rage, J.-C., Legreneur, P. & Laurin, M. 2016. *Triadobatrachus massinoti*, the earliest known lissamphibian (Vertebrata: Tetrapoda) re-examined by μ CT scan, and the evolution of trunk length in batrachians. *Contributions to Zoology*, 85(2): 201-234.
- Ashchepkov, I.V., Kuligin, S.S., Vladykin, N.V., Downes, H., Vavilov, M.A., Nigmatulina, E.N., Babushkina, S.A., Tychkov, N.S. & Khmelnikova, O.S. 2016. Comparison of mantle lithosphere beneath early Triassic kimberlite fields in Siberian craton reconstructed from deep-seated xenocrysts. *Geoscience Frontiers*, 7(4): 639-662.
- Avigad, D., Abbo, A. & Gerdes, A. 2016. Origin of the Eastern Mediterranean: Neotethys rifting along a cryptic Cadomian suture with Afro-Arabia. *Geological Society of America Bulletin*, 128(7-8): 1286-1296.
- Bachan, A. & Payne, J.L. 2016. Modelling the impact of pulsed CAMP volcanism on $p\text{CO}_2$ and $\delta^{13}\text{C}$ across the Triassic-Jurassic transition. *Geological Magazine*, 153 (Special Issue 2): 252-270.
- Bachmann, G.H. & Jiang Da-Yong. 2016. 13th International Field Workshop on the Triassic, Xingyi/Guizhou, southwestern China, August 1-5, 2016. *Permophiles*, 63: 46-50.
- Baczko, M.B von & Ezcurra, M.D. 2016. Taxonomy of the archosaur *Ornithosuchus*: reassessing *Ornithosuchus woodwardi* Newton, 1894 and *Dasygnathoides longidens* (Huxley 1877). *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, 106(3): 199-205.
- Baioumy, H. & Ulfa, Y. 2016. Facies analysis of the Semanggol Formation, south Kedah, Malaysia: a possible Permian-Triassic boundary section. *Arabian Journal of Geosciences*, 9(8): DOI 10.1007/s12517-016-2573-9 (16pp).
- Balaky, S.M., Swrdschy, A.M. & Mamaseni, W.J. 2016. Permian-Triassic lithostratigraphic study in the Northern Thrust Zone (Ora), Iraqi Kurdistan region. *Arabian Journal of Geosciences*, 9(5): DOI 10.1007/s12517-016-2352-7 (21pp).
- Barash, M.S. 2016. Changes in environmental conditions as the cause of the marine biota Great Mass Extinction at the Triassic-Jurassic boundary. *Doklady Earth Sciences*, 466(2): 119-122.
- Barbolini, N., Bamford, M.K. & Tolan, S. 2016. Permian-Triassic palynology and palaeobotany of Zambia: a review. *Palaeontologia Africana*, 50: 18-30.
- Barboni, R., Dutra, T.L. & Faccini, U.F. 2016. *Xylopteris* (Frenguelli) Stipacinic & Bonetti in the Middle-Upper Triassic (Santa Maria Formation) of Brazil. *Ameghiniana*, 53(5): 599-622.
- Barbosa, É.N., Córdoba, V.C. & do Carmo Sousa, D. 2016. Stratigraphic evolution of the Upper Carboniferous-Lower Triassic sequence, Parnaíba Basin, Brazil. *Brazilian Journal of Geology*, 46(2): 181-198.
- Barbosa-Gudiño, J.R., Torres-Hernández, J.R. & Villasuso-Martínez, R. 2016. Revisión estratigráfica y estructura de la Sierra Plomosa, Chihuahua. *Revista Mexicana de Ciencias Geológicas*, 33(2): 221-238.
- Baresel, B., Bucher, H., Brosse, M., Bagherpour, B. & Schaltegger, U. 2016. High precision dating of mass extinction events: a combined zircon geochronology, apatite tephrochronology, and Bayesian age modelling approach of the Permian-Triassic boundary extinction. *Geophysical Research Abstracts*, 18, EGU2016-15085.
- Basilone, L., Frixa, A., Trinciani, E. & Valenti, V. 2016. Permian-Cenozoic deep-water carbonate rocks of the Southern Tethyan Domain. The case of Central Sicily. *Italian Journal of Geoscience*, 135(2): 171-198.
- Basilone, L., Sulli, A. & Morticelli, M.G. 2016. The relationships between soft-sediment deformation structures and synsedimentary extensional tectonics in Upper Triassic deep-water carbonate succession (southern Tethyan rifted continental margin – central Sicily). *Sedimentary Geology*, 344: 310-322.
- Baucon, A. & De Carvalho, C.N. 2016. Stars of the aftermath: *Asteriacites* beds from the Lower Triassic of the Carnic Alps (Werfen Formation, Sauris di Sopra), Italy. *Palaios*, 31(4): 161-176.
- Baud, A., Plasencia, P., Hirsch, F. & Richoz, S. 2016. Revised middle Triassic stratigraphy of the Swiss Prealps based on conodonts and correlation to the Briançonnais (Western Alps). *Swiss Journal of Geosciences*, 109(3): 365-377.
- Bauer, M., Tóth, T.M., Raucsik, B. & Garaguly, I. 2016. Petrology and paleokarst features of the Gomba hydrocarbon reservoir (central Hungary). *Central European Geology*, 19(1-4): 28-59.

- Bayetgoll, A. 2016. A sedimentological and ichnological analysis of wave-dominated open marine and river-dominated delta deposit from the Nayband formation (Upper Triassic) in Tabas block, central Iran. *Geosciences*, 25(99): 47-61. (Geological Survey of Iran: ISSN 1023-7429)
- Bazhenov, M.L., Kozlovsky, A.M., Yarmolyuk, V.V., Fedorova, N.M. & Meert, J.G. 2016. Late Paleozoic paleomagnetism of South Mongolia: exploring relationships between Siberia, Mongolia and North China. *Gondwana Research*, 40: 124-141.
- Beardmore, S.R. & Furrer, H. 2016. Preservation of Pachypleurosauridae (Reptilia; Sauropterygia) from the Middle Triassic of Monte San Giorgio, Switzerland. *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen*, 280(2): 221-240.
- Beardmore, S.R. & Furrer, H. 2016. Taphonomic analysis of *Saurichthys* from two stratigraphic horizons in the Middle Triassic of Monte San Giorgio, Switzerland. *Swiss Journal of Geosciences*, 109(1): 1-16.
- Beltrán-Triviño, A. & Winkler, W. 2016. Triassic magmatism on the transition from Variscan to Alpine cycles: evidence from U-Pb, Hf, and geochemistry of detrital minerals. *Swiss Journal of Geosciences*, 109(3): 309-328.
- Ben Lasmar, R., Guellala, R., Zouhri, L., Sarsar Naouali, B., Garrach, M. & Inoubli, M.H. 2016. Hydrological study of the Triassic series in the Jeffara-Dahar region (southern part of Tunisia): contribution of well logs data and seismic reflection. *Estudios Geológicos*, 72(1): DOI 10.3989/egeol.43114.373 (19pp).
- Benoit, J., Abdala, F., Manger, P.R. & Rubidge, B.S. 2016. The sixth sense in mammalian forerunners: variability of the parietal foramen and the evolution of the pineal eye in South African Permo-Triassic eutheriodont therapsids. *Acta Palaeontologica Polonica*, 61(4): 777-789.
- Benoit, J., Manger, P.R. & Rubidge, B.S. 2016. Palaeoneurological clues to the evolution of defining mammalian soft tissue traits. *Nature Scientific Reports*, 6(25604), doi:10.1038/srep25604. (10pp).
- Benoit, J., Manger, P.R., Fernandez, V. & Rubidge, B.S. 2016. Cranial bosses of *Choerosaurus dejageri* (Therapsida, Therocephalia): earliest evidence of cranial display structures in eutheriodonts. *PLoS ONE*, 11(8): e0161457. doi:10.1371/journal.pone.0161457.
- Benton, M. 2016. Evolutionary recovery after mass extinctions. *Proceedings of the Open University Geological Society*, 2: 1-8.
- Benton, M.J. 2016. Palaeontology: dinosaurs, boneheads and recovery from extinction. *Current Biology*, 26(19): R887-889; dx.doi.org/10.1016/j.cub.2016.07.029.
- Benton, M.J. 2016. The Triassic. *Current Biology*, 26(23): R1214-1218; dx.doi.org/10.1016/j.cub.2016.10.060.
- Berra, F., Carminati, E., Jadoul, F. & Binda, M. 2016. Does compaction-induced subsidence control accommodation space at the top of prograding carbonate platforms? Constraints on the numerical modelling of the Triassic Esino Limestone (Southern Alps, Italy). *Marine and Petroleum Geology*, 78: 621-635.
- Berra, F., Lanfranchi, A., Smart, P.L., Whitaker, F.F. & Ronchi, P. 2016. Forward modelling of carbonate platforms: sedimentological and diagenetic constraints from an application to a flat-topped greenhouse platform (Triassic, Southern Alps, Italy). *Marine and Petroleum Geology*, 78: 636-655.
- Bercovici, A. & Vajda, V. 2016. Terrestrial Permian – Triassic boundary sections in South China. *Global and Planetary Change*, 143: 31-33.
- Biakov, A.S., Zakharov, Yu.D. and 9 others. 2016. New data on the structure and age of the terminal Permian strata in the South Verkhoyansk region (*northeastern Asia*). *Russian Geology and Geophysics*, 57(2): 282-293.
- Bin Liu, Chiang-Qian Ma, Yu-Heng Guo, Fu-Hao Xiong, Pan Guo & Xin Zhang. 2016. Petrogenesis and tectonic implications of Triassic mafic complexes with MORB/OIB affinities from the western Garzê-Litang ophiolitic mélange, central Tibetan Plateau. *Lithos*, 260: 253-267.
- Bin Wang, Jian-Bo Zhou, Wilde, S.A., Xing-Zhou Zhang & Shou-Mai Ren. 2016. The timing of final closure of the Changchun-Yanji suture zone: constraints from detrital zircon U-Pb dating of the Triassic Dajianggang Formation, NE China. *Lithos*, 261: 216-231.
- Bitner, M.A. & Emig, C.C. 2016. On the type species of *Lingularia*, and description of *Eolingularia* n. gen. *Carnets de Géologie*, 16(22): 543-555.
- Blumenberg, M., Heunisch, C., Lückge, A., Scheeder, G. & Wiese, F. 2016. Photic zone euxinia in the central Rhaetian Sea prior to the Triassic-Jurassic boundary. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 461: 55-64.
- Boos, A.D.S., Kammerer, C.F., Schultz, C.L., Soares, M.B. & Ilha, A.L.R. 2016. A new dicynodont (Therapsida: Anomodontia) from the Permian of southern Brazil and its implications for bidental origins. *PLoS ONE*, 11(5): e0155000. doi:10.1371/journal.pone.0155000.
- Bordy, E.M. & Krummeck, W.D. 2016. Enigmatic continental burrows from the Early Triassic transition of the Katberg and Burgersdorp formations in the Main Karoo Basin, South Africa. *Palaeos*, 31(8): 389-403.
- Borrull-Abadía, V., Barrenechea, J.F., Galán-Abellán, A.B., Alonso-Azcárate, J., De la Hora, R., Luque, F.J. & López-Gómez, J. 2016. Quantifying aluminium phosphate-sulphate minerals as markers of acidic conditions during the Permian-Triassic transition in the Iberian ranges, E Spain. *Chemical Geology*, 429: 10-20.
- Botha-Brink, J., Codron, D., Huttenlocker, A.K., Angielczyk, K.D. & Ruta, M. 2016. Breeding young as a survival strategy during Earth's greatest mass extinction. *Nature Scientific Reports*, 6(24053), doi:10.1038/srep24053. (9pp).
- Bragin, N., Dronov, A. & Raimbekov, Y. 2016. Middle Triassic rediolarians from the southeastern Pamirs (Republic of Tajikistan). *Revue de Micropaléontologie*, 59(4): 297-310.
- Brand, U., Blamey, N. and 7 others. 2016. Methane hydrate: killer cause of Earth's greatest mass extinction. *Palaeoworld*, 25(4): 496-507.
- Brandner, R., Gruber, A., Morelli, C. & Mair, V. 2016. Pulses of Neotethys-rifting in the Permomesozoic of the Dolomites. *GeoAlp*, 13: 7-70.

- Brański, P. & Mikulski, S.Z. 2016. Rare earth elements distribution in fine-grained deposits from the uppermost Triassic and Lower Jurassic of the Polish Basin: provenance and weathering of source area. *Geological Quarterly*, 60(2): 441-450.
- Bröcker, M., Huyskens, M. & Berndt, J. 2016. U-Pb dating of detrital zircons from Andros, Greece: constraints for the time of sediment accumulation in the northern part of the Cycladic blueschist belt. *Geological Journal*, 51(3): 354-367.
- Brogi, A., Liotta, D., Ruggieri, G., Capezzuoli, E., Meccheri, M. & Dini, A. 2016. An overview of the characteristics of geothermal carbonate reservoirs in southern Tuscany. *Italian Journal of Geoscience*, 135(1): 17-29.
- Brom, K.R., Niedźwiedzki, R., Brachaniec, T., Ferré, B. & Salamon, M.A. 2016. Environmental control on shell size of the Middle Triassic bivalve *Plagiostoma*. *Carnets de Géologie*, 16(10): 297-305.
- Brosse, M., Bucher, H. & Goudemand, N. 2016. Quantitative biochronology of the Permian-Triassic boundary in South China based on conodont unitary associations. *Earth-Science Reviews*, 155: 153-171.
- Brusatte, S.L. 2016. Evolution: when dinosaurs bested their early rivals. *Current Biology*, 26(22): R1189-1191; dx.doi.org/10.1016/j.cub.2016.09.048.
- Butler, R.J., Ezcurra, M.D., Montefeltro, F.C., Samathi, A. & Sobral, G. 2016. A new species of basal rhynchosaur (Diapsida: Archosauromorphia) from the early Middle Triassic of South Africa and the early evolution of Rhynchosauria. (Correction of article in volume 174(3): 571-588). *Zoological Journal of the Linnean Society*, 177(2): 1030.
- Button, D.J., Barrett, P.M. & Rayfield, E.J. 2016. Comparative cranial myology and biomechanics of *Plateosaurus* and *Camarasaurus* and evolution of the sauropod feeding apparatus. *Palaeontology*, 59(6): 887-913.
- Cabreira, S.F., Kellner, A.W.A. and 11 others. 2016. A unique Late Triassic dinosauromorph assemblage reveals dinosaur ancestral anatomy and diet. *Current Biology*, 26(22): 3090-3095; dx.doi.org/10.1016/j.cub.2016.09.040.
- Canile, F.M., Babinski, M. & Rocha-Campos, A.C. 2016. Evolution of the Carboniferous-Early Cretaceous units of Paraná Basin from provenance studies based on U-Pb, Hf and O isotopes from detrital zircons. *Gondwana Research*, 40: 142-169.
- Cardello, G.L., Almqvist, B.S.G., Hirt, A.M. & Mancktelow, N.S. 2016. Determining the time of formation of the Rawil Depression in the Helvetic Alps by palaeomagnetic and structural methods. *Geological Society, London, Special Publications*, 425: 145-168.
- Cariglino, B., Zavattieri, A.M., Gutiérrez, P.M. & Balarino, M.L. 2016. The paleobotanical record of the Triassic Cerro de las Cabras Formation at its type locality, Potrerillos, Mendoza (Uspallata Group): an historical account and first record of fossil flora. *Ameghiniana*, 53(2): 184-205.
- Carpentier, C., Hadouth, S., Bouaziz, S., Lathuilière, B. & Rubino, J.-L. 2016. Basin geodynamics and sequence stratigraphy of Upper Triassic to Lower Jurassic deposits of southern Tunisia. *Journal of African Earth Sciences*, 117: 358-388.
- Casacci, M., Bertinelli, A., Algeo, T.J. & Rigo, M. 2016. Carbonate-to-biosilica transition at the Norian-Rhaetian boundary controlled by rift-related subsidence in the western Tethyan Lagonegra Basin (southern Italy). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 456: 21-36.
- Cascales-Miñana, B., Diez, J.B., Gerrienne, P. & Cleal, C.J. 2016. A palaeobotanical perspective on the great end-Permian biotic crisis. *Historical Biology*, 28(8): 1066-1074.
- Castiello, M., Renesto, S. & Bennett, S.C. 2016. The role of the forelimb in prey capture in the Late Triassic reptile *Megalancosaurus* (Diapsida, Drepanosauromorpha). *Historical Biology*, 28(8): 1090-1100.
- Castro de Machuca, B. & López, M.G. 2016. Petrological review of the Baldecitos Formation (Triassic), western Sierras Pampeanas, Province of San Juan. *Acta Geológica Lilloana*, 26(1): 75-82.
- Cattell, A. 2016. Redcliffe Sandstone revisited (Abstract). *Geoscience in South-West England*, 14(1): 85.
- Césari, S.N. & Colombi, C. 2016. Palynology of the Late Triassic Ischigualasto Formation, Argentina: paleoecological and paleogeographic implications. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 449: 365-384.
- Changhwan Oh, Park, T.-Y.S., Junsun Woo, Bomfleur, B., Phillippe, M., Decombeix, A.-L., Kim, Y.-H.G. & Jonh Ik Lee. 2016. Triassic *Kykloxyylon* wood (Umkomasiaceae, Gymnospermopsida) from Skinner Ridge, northern Victoria Land, East Antarctica. Review of Palaeobotany and Palynology, 233: 104-114.
- Chao Wang, Liang Liu, Korhonen, F., Wen-Qiang Yang, Yu-Ting Cao, Shi-Ping Hu, Xiao-Hiu Zhu & Wen-Tian Liang. 2016. Origins of early Mesozoic granitoids and their enclaves from West Kunlun, NW China: implications for evolving magmatism related to closure of the Paleo-Tethys ocean. *International Journal of Earth Sciences*, 105(3): 941-964.
- Chao Wang, Lin Ding, Li-yun Zhang, Kapp, P., Pullen, A. & Ya-hui Yue. 2016. Petrogenesis of Middle-Late Triassic volcanic rocks from the Gangdese belt, southern Lhasa terrane: implications for early subduction of Neo-Tethyan oceanic lithosphere. *Lithos*, 262: 320-333.
- Chatalov, A., Stefanov, Y. & Ivanova, D. 2016. New data on the stratigraphy and sedimentology of the Triassic carbonate rocks in the Belotintsi strip, northwestern Bulgaria. Review of the Bulgarian Geological Society, 77(1): 27-49.
- Chatzaras, V., Dörr, V., Gerdes, A., Krahl, J., Xypolias, P. & Zulauf, G. 2016. Tracking the Late Paleozoic to Early Mesozoic margin of northern Gondwana in the Hellenides: paleotectonic constraints from U-Pb detrital zircon ages. *International Journal of Earth Sciences*, 105(7): 1881-1899.
- Chen Bo, Wang Zitian, Kang Li, Zhang Shuncun & Shi Ji'an. 2016. Diagenesis and pore evolution of Triassic Baikouquan Formation in Mabei region, Junggar Basin. *Journal of Jilin University (Earth Science Edition)*, 46(1): 23-35.
- Chen Chongyang, Gao Youfeng, Wu Haibo, Qu Xuejiao, Liu Zhiwen, Bai Xuefeng & Wang Pujun. 2016. Zircon U-Pb chronology of volcanic rocks in the Hailaer Basin, NE China and its geological implications. *Earth Science – Journal of*

- China University of Geosciences, 2016(8): 1259-1274.
- Chen Dongxia, Pang Xiongqi, Yang Keming, Zhu Weiping & Yan Qingxia. 2016. Genetic mechanism and formation of superimposed continuous tight sandstone reservoir in deep Xu{j}iahe Formation in western Sichuan Depression. *Journal of Jilin University (Earth Science edition)*, 2016(6): 1611-1623.
- Chen Gong, Pei Xianzhi and 9 others. 2016. Zircon U-Pb geochronology, geochemical characteristics and geological significance of Chaohuolutaolegai granodiorite in Balong area, East Kunlun Mountains. *Geological Bulletin of China*, 35(12): 1990-2005.
- Chen Jianzhou, He Lingxiong, Liu Libo, An Shengting & Shen Juan. 2016. An analysis of reservoir conditions and geochemical characteristics of the Triassic shale gas in Qilian region, Qinghai Province. *Geological Bulletin of China*, 35(1): 273-281.
- Chen Wu, An Yin, Zuza, A.V., Jinyu Zhang, Wencan Liu & Lin Ding. 2016. Pre-Cenozoic geologic history of the central and northern Tibetan Plateau and the role of Wilson cycles in constructing the Tethyan orogenic system. *Lithosphere*, 8(3): 254-292.
- Cheng Ji, Da-yong Jiang, Motani, R., Rieppel, O., Wei-cheng Hao & Zuo-yu Sun. 2016. Phylogeny of the Ichthyopterygia incorporating recent discoveries from South China. *Journal of Vertebrate Paleontology*, 36(1): e1025956 (18 pp.). DOI: 10.1080/02724634.2015.1025956.
- Cheng Jun, Shi Weigang, Zhai Jie, Li Haibo & Liu Jianghua. 2016. Depositional setting and provenance analysis of Triassic nappe in the south of Bailing County, Tibet. *Geological Bulletin of China*, 35(9): 1472-1478.
- Cheng Yen-nien, Wu Xiao-chun, Sato, T. & Shan His-yin. 2016. *Dawazisaurus brevis*, a new eosaurophterygian from the Middle Triassic of Yunnan, China. *Acta Geologica Sinica*, 90(2): 401-424.
- Chenyi Tu, Zhong-Qiang Chen & Harper, D.A.T. 2016. Permian-Triassic evolution of the Bivalvia: extinction-recovery patterns linked to ecological and taxonomic selectivity. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 459: 53-62.
- Chenyi Tu, Zhong-Qiang Chen, Retallack, G.J., Yuangeng Huang & Yuheng Fang. 2016. Proliferation of MISS-related microbial mats following the end-Permian mass extinction in terrestrial ecosystems: evidence from the Lower Triassic of the Yiyang area, Henan Province, North China. *Sedimentary Geology*, 333: 50-69.
- Chong-jin Pang, Zheng-xiang Li, Yi-gang Xu, Shu-nv Wen & Krapež, B. 2016. Climatic and tectonic controls on Late Triassic to Middle Jurassic sedimentation in northeastern Guangdong Province, South China. *Tectonophysics*, 677-678: 68-87.
- Chorowicz, J. 2016. Genesis of the Pieniny Klippen Belt in the Carpathians: possible effects of a major paleotransform fault in the Neo-Tethyan domain. *Comptes Rendus Geoscience*, 348(1): 15-22.
- Chun Li, Xiao-chun Wu, Li-jun Zhao, Nesbitt, S.J., Stocker, M.R. & Li-ting Wang, 2016. A new armored archosauriform (Diapsida: Archosauromorpha) from the marine Middle Triassic of China, with implications for the diverse life styles of archosauriforms prior to the diversification of Archosauria. *The Science of Nature*, 103(11-12), article 95: DOI 10:1007/s00114-016-1418-4.
- Ciarapica, G., Passeri, L., Bonetto, F. & Dal Piaz, G.V. 2016. Facies and Late Triassic fossils in the Roisan zone, Austroalpine Dent Blanche and Mt Mary-Cervino nappe system, NW Alps. *Swiss Journal of Geosciences*, 109(1): 69-81.
- Cirrincione, R., Fiannacca, P., Lustrino, M., Romano, V., Tranchina, A. & Villa, I.M. 2016. Enriched asthenosphere melting beneath the nascent North African margin: trace element and Nd isotope evidence of middle-late Triassic alkali basalts from central Sicily (Italy). *International Journal of Earth Sciences*, 105(2): 595-609.
- Clarke, J.T., Lloyd, G.T. & Friedman, M. 2016. Little evidence for enhanced phenotypic evolution in early teleosts relative to their living fossil sister group. *Proceedings of the National Academy of Sciences of the United States of America*, 113(41): 11531-11536.
- Clarkson, M.O., Wood, R.A., Poulton, S.W., Richoz, S., Newton, R.J., Kasemann, S.A., Bowyer, F. & Krystyn, L. 2016. Dynamic anoxic ferruginous conditions during the end-Permian mass extinction and recovery. *Nature Communications*, 7, Article 12236. DOI: 10.1038/ncomms12236. (9pp).
- Clemmensen, L.B., Milàn, J., Adolfsson, J.S., Estrup, E.J., Frobøse, N., Klein, N., Mateus, O. & Wings, O. 2016. The vertebrate-bearing Late Triassic Fleming Fjord Formation of central East Greenland revisited: stratigraphy, palaeoclimate and new palaeontological data. *Geological Society, London, Special Publications*, 434: 31-47.
- Coleman, G. 2016. Dissecting the rise of the archosaurs. *The Palaeontological Association Newsletter*, 92: 96-99.
- Condamine, F.L., Clapham, M.E. & Kergoat, G.J. 2016. Global patterns of insect diversification: towards a reconciliation of fossil and molecular evidence? *Nature Scientific Reports*, 6(19208), doi:10.1038/srep19208. (13pp).
- Cong He, Liming Ji, Yuandong Wu, Ao Su & Mingzhen Zhang. 2016. Characteristics of hydrothermal sedimentation process in the Yanchang Formation, south Ordos Basin, China: evidence from element geochemistry. *Sedimentary Geology*, 344: 33-41.
- Cooper, D.J.W., Toland, C., Ali, M.Y. & Green, O. 2016. Evolution of the Arabian continental margin of the northern Dibba Zone, eastern United Arab Emirates and Oman. *Journal of Asian Earth Sciences*, 129: 254-275.
- Coram, R.A. & Radley, J.D. 2016. Devon's desert 'worms'. *Geology Today*, 32(2): 65-69.
- Coturel, E.P., Morel, E.M. & Ganuza, D. 2016. Lycopodiopsids and equisetopsids from the Triassic of Quebrada de los Fósiles Formation, San Rafael Basin, Argentina. *Geobios*, 49(3): 167-176.
- Csicsek, L.Á. & Fodor, L. 2016. Imbrication of Middle Triassic rocks near Öskü (Bakony Hills, western Hungary). *Földtani Közlöny*, 146(4): 355-370.
- Cui Luo & Reitner, J. 2016. 'Stromatolites' built by sponges and microbes – a new type of Phanerozoic bioconstruction. *Lethaia*, 49(4): 555-570.

- Danto, M., Witzmann, F. & Fröbisch, N.B. 2016. Vertebral development in Paleozoic and Mesozoic tetrapods revealed by paleohistological data. *PLoS ONE*, 11(4): e0152586. doi:10.1371/journal.pone.0152586.
- Daoliang Chu, Jianxin Yu, Jinnan Tong, Benton, M.J., Haijun Song, Yunfei Huang, Ting Song & Li Tian. 2016. Biostratigraphic correlation and mass extinction during the Permian-Triassic transition in terrestrial-marine siliciclastic settings of South China. *Global and Planetary Change*, 146: 67-88.
- Dash, B., Boldbaatar, E., Zorigtkhuu, O-E. & An Yin. 2016. Geochronology, geochemistry and tectonic implications of Late Triassic granites in the Mongolian Altai Mountains. *Journal of Asian Earth Sciences*, 117: 225-241.
- Davis, K.E., Hill, J., Astrop, T.I. & Wills, M.W. 2016. Global cooling as a driver of diversification in a major marine clade. *Nature Communications*, 7, Article 13003. DOI: 10.1038/ncomms13003. (8pp).
- Dawit, E.L. 2016. Paleoclimatic records of Late Triassic paleosols from Central Ethiopia. *Palaeogeography, Palaeoecology, Palaeoclimatology*, 449: 127-140.
- Da-Yong Jiang, Motani, R. and 9 others. 2016. A large aberrant stem ichthyosauriform indicating early rise and demise of ichthyosauromorphs in the wake of the end-Permian extinction. *Nature Scientific Reports*, 6(26232), doi:10.1038/srep26232. (9pp).
- De Baets, K., Hoffmann, R., Sessa, J.A. & Klug, C. 2016. Ammonoids. *Palaeontology Online*, 6, article 2, 1-15.
- De Miguel Chaves, C., Garcia-Gil, S., Ortega, F., Sanz, J.L. & Pérez-Garcia, A. 2016. First Triassic tetrapod (Sauropsida, Nothosauridae) from Castilla y Léon: evidence of an unknown taxon for the Spanish record. *Journal of Iberian Geology*, 42(1): 29-38.
- De-Xin Kong, Ji-Feng Xu & Jian-Lin Chen. 2016. Oxygen isotope and trace element geochemistry of zircons from porphyry copper system: implications for Late Triassic metallogenesis within the Yidun Terrane, southeastern Tibetan Plateau. *Chemical Geology*, 441: 148-161.
- Dean, C.D., Mannion, P.D. & Butler, R.J. 2016. Preservational bias controls the fossil record of pterosaurs. *Palaeontology*, 59(2): 225-247.
- Debuyschere, M. 2016. A reappraisal of *Theroteinus* (Haramyida, Mammaliaformes) from the Upper Triassic of Saint-Nicholas-de-Port (France). *PeerJ* 4: e2592 <https://doi.org/10.7717/peerj.2592>.
- Del Rey, A., Deckart, K., Arriagada, C. & Martinez, F. 2016. Resolving the paradigm of the late Paleozoic-Triassic Chilean magmatism: isotopic approach. *Gondwana Research*, 37: 172-181.
- Deliang Liu, Rendeng Shi, Lin Ding, Qishuai Huang, Xiaoran Zhang, Yahui Yue & Liyun Zhang. 2016. Zircon U-Pb age and Hf isotopic compositions of Mesozoic granitoids in southern Qiangtang, Tibet: implications for the subduction of the Bangong-Nujiang Tethyan ocean. *Gondwana Research*, 41: 157-172.
- Deng Wenbing, Pei Xianzhi and 9 others. 2016. LA-ICP-MS zircon U-Pb dating of the Chahantaolegai syenogranites in Xiangride area of East Kunlun and its geological significance. *Geological Bulletin of China*, 35(5): 687-699.
- Didenko, A.N., Yong-fei Li, Peskov, Yu.A., Shou-liang Sun, Karetnikov, A.S. & Yong-heng Zhou. 2016. Closure of the Solonker basin: paleomagnetism of the Linxi and Xingfuzhilu formations (Inner Mongolia, China). *Russian Journal of Pacific Geology*, 10(5): 317-336.
- Diedrich, C.G. 2016. *Chirotherium* trackways and feeding traces on seismic-influenced carbonate intertidals of the Middle Triassic of Central Europe: global food chain reactions onto horseshoe crab reproduction mud flat beaches of the Germanic Basin. *Carbonates and Evaporites*, 31(2): 187-211.
- Dittrich, D. 2016. Kugelfelsen und Röhrenhöhlen als besondere Phänomene des Pfälzer Buntsandsteins. *Mainzer geowissenschaftliche Mitteilungen*, 44: 73-148.
- Di-Ying Huang, Bechly, G. and 15 others. 2016. New fossil insect order Permopsocida elucidates major radiation and evolution of suction feeding in hemimetabolous insects (Hexapoda: Acercaria). *Nature Scientific Reports*, 6(23004), doi:10.1038/srep23004. (9pp).
- Donskaya, T.V., Gladkochub, D.P., Mazukabzov, A.M., Wang, T., Guo, L., Rodionov, N.V. & Demonterova, E.I. 2016. Mesozoic granitoids in the structure of the Bezymyannyi metamorphic-core complex (*western Transbaikalia*). *Russian Geology and Geophysics*, 57(11): 1591-1605.
- Dou Wenchao, Liu Luofu, Wu Kangjun & Xu Zhengjian. 2016. Pore structure characteristics and its effect on permeability by mercury injection measurement: an example from Triassic Chang-7 reservoir, southwest Ordos Basin. *Geological Review*, 62(2): 502-512.
- Drymala, S.M. & Zanno, L.E. 2016. Osteology of *Carnufex carolinensis* (Archosauria: Pseudosuchia) from the Pekin Formation of North Carolina and its implications for early crocodylomorph evolution. *PLoS ONE*, 11(6): e0157528. doi:10.1371/journal.pone.0157528.
- Du Fangpeng, Wang Jianqiang, Niu Junqiang, Tan Furong, Yang Chuang & Yan Mingming. 2016. Characteristics and its significance of soft sedimentary deformations of the Upper Triassic Bagong Formation in southeastern Qiangtang Block. *Journal of Jilin University (Earth Science edition)*, 2016(3): 661-670.
- Du Zhili, Tian Ya, Liu Hongjun, Wang Fengqin, Du Xiaodi, Yuan Yuan & Tong Lihua. 2016. Shale gas resource potential evaluation of Chang 9 Member, Fm Yanchang in South Ordos Basin. *Journal of Jilin University (Earth Science edition)*, 2016(2): 358-367.
- Duan Yaoyao, Li Yalin & Duan Zhiming. 2016. The discovery of the Early Triassic gabbro rocks of the Duolong accretionary complexes in southern Qiangtang terrane of Tibet and its geological significance. *Geological Bulletin of China*, 35(6): 887-893.
- Dynowski, J.F., Nebelsick, J.H., Klein, A. & Roth-Nebelsick, A. 2016. Computational fluid dynamics analysis of the fossil crinoid *Encriinus liliiformis* (Echinodermata: Crinoidea). *PLoS ONE*, 11(5): e0156408. doi:10.1371/journal.pone.0156408.
- Dzik, J. & Sulej, T. 2016. A late Early Triassic long-necked reptile with a bony pectoral shield and gracile appendages.

- Acta Palaeontologica Polonica, 61(4): 805-823.
- Ebbestad, J.O.R. 2016. Carl Wiman and the foundation of Mesozoic vertebrate palaeontology in Sweden. Geological Society, London, Special Publications, 434: 15-29.
- Egbobawaye, E.I., 2016. Whole-rock geochemistry and mineralogy of Triassic Montney Formation, northeastern British Columbia, Western Canada Sedimentary Basin. International Journal of Geosciences, 7(12): 91-114.
- Ehiro, M. 2016. Additional Early Triassic (late Olenekian) ammonoids from the Osawa Formation at Yamaya, Motoyoshi area, South Kitakami Belt, northeast Japan. Paleontological Research, 20(1): 1-6.
- Ehiro, M., Sasaki, O. & Kano, H. 2016. Ammonoid fauna of the Upper Olenekian Osawa Formation in the Utatsu area, South Kitakami Belt, northeastern Japan. Paleontological Research, 20(2): 90-104.
- Eltom, H.A., Abdullatif, O.M., Babalola, L.O., Bashari, M.A., Yassin, M., Osman, M.S. & Abdulraziq, A.M. 2016. Geochemical characterization of the Permian-Triassic transition at outcrop, central Saudi Arabia. Journal of Petroleum Geology, 39(1): 95-113.
- Enayati-Bidgoli, A.H. & Rahimpour-Bonab, H. 2016. A geological based reservoir zonation scheme in a sequence stratigraphic framework: a case study from the Permo-Triassic gas reservoirs, offshore Iran. Marine and Petroleum Geology, 73: 36-58.
- Engelmann de Oliveira, C.H., Jelinek, A.R., Chemale, F. Jr. & Bernet, M. 2016. Evidence of post-Gondwana breakup in Southern Brazilian Shield: insights from apatite and zircon fission track thermochronology. Tectonophysics, 666: 173-187.
- Ezcurra, M.D. 2016. The phylogenetic relationships of basal archosauromorphs, with an emphasis on the systematics of proterosuchian archosauriforms. PeerJ 4: e1778 <https://doi.org/10.7717/peerj.1778>.
- Fan Mengmeng, Li Wenhui & Bu Jun. 2016. Rare earth element characteristics of sediment samples of Triassic maximum flooding period in Longdong area of Ordos Basin and their provenance significance. Geological Bulletin of China, 35(1): 390-397.
- Fan Mengmeng, Li Wenhui & Yuan Zhen. 2016. Diagenesis and its influence on porosity of Chang 6 reservoir in southeast Ordos Basin. Geological Bulletin of China, 35(2): 448-453.
- Fan Song, Hu Li, Renfu Shao, Aimin Shi, Xiaoshuan Bai, Xiaorong Sheng, Heiss, E. & Wanxi Cai. 2016. Rearrangement of mitochondrial tRNA genes in flat bugs (Hemiptera: Aradidae). Nature Scientific Reports, 6(25725), doi:10.1038/srep25725. (9pp).
- Fang Xiang, Yuwan Wang, Qin Feng, Deyan Zhang & Junxing Zhao. 2016. Further research on chlorite rims in sandstones: evidence from the Triassic Yanchang Formation in the Ordos basin, China. Arabian Journal of Geosciences, 9(7): DOI 10.1007/s12517-016-2518-3 (11pp).
- Fangyang Hu, Shuwen Liu, Wanyi Zhang, Zhengbin Deng & Xu Chen. 2016. A westward propagating slab tear model for Late Triassic Qinling orogenic belt geodynamic evolution: insights from the petrogenesis of the Caoping and Shahewan intrusions, central China. Lithos, 262: 486-506.
- Farshid, E., Hamdi, B., Hairapetian, V. & Aghanabati, S.A. 2016. Conodont biostratigraphy of the Permian-Triassic boundary in the Baghuk mountain section northwest of Abadeh. Geosciences, 25(99): 285-294. (Geological Survey of Iran: ISSN 1023-7429).
- Faure, M., Wei Lin, Yang Chu & Lepvrier, C. 2016. Triassic tectonics of the southern margin of the South China Block. Comptes Rendus Geoscience, 348(1): 5-14.
- Faure, M., Wei Lin, Yang Chu & Lepvrier, C. 2016. Triassic tectonics of the Ailaoshan Belt (SW China): Early Triassic collision between the South China and Indochina blocks, and Middle Triassic intracontinental shearing. Tectonophysics, 683: 27-42.
- Fei Wang, Huile Feng and 7 others. 2016. Relief history and denudation evolution of the northern Tibetan margin: constraints from $^{40}\text{Ar}/^{39}\text{Ar}$ and (U-Th)/He dating and implications for far-field effect of rising plateau. Tectonophysics, 675: 196-208.
- Fengyang Xiong, Zhenxue Jiang and 8 others. 2016. The role of the residual bitumen in the gas storage capacity of mature lacustrine shale: a case study of the Triassic Yanchang shale, Ordos Basin, China. Marine and Petroleum Geology, 69: 205-215.
- Ferriere, J., Baumgartner, P.O. & Chanier, F. 2016. The Maliac Ocean: the origin of the Tethyan Hellenic ophiolites. International Journal of Earth Sciences, 105(7): 1941-1963.
- Firi, K.F., Sremac, J. & Vlahović, I. 2016. First evidence of Permian-Triassic shallow-marine transitional deposits in northern Croatia: Samoborsko Gorje Hills. Swiss Journal of Geosciences, 109(3): 401-413.
- Fleming, E.J., Flowerdew, M.J., Smyth, H.R., Scott, R.A., Morton, A.C., Omma, J.E., Frei, D. & Whitehouse, M.J. 2016. Provenance of Triassic sandstones on the southwest Barents Shelf and the implication for sediment dispersal patterns in northwest Pangaea. Marine and Petroleum Geology, 78: 516-535.
- Fong, R.K.M., LeBlanc, A.R.H. & Reisz, R.R. 2016. Dental history of *Coelophysis bauri* and the evolution of early dinosaurian periodontal tissues (Abstract). Vertebrate Anatomy Morphology Palaeontology, 2: 32.
- Foote, M., Ritterbush, K.A. & Miller, A.I. 2016. Geographic ranges of genera and their constituent species: structure, evolutionary dynamics, and extinction resistance. Paleobiology, 42(2): 269-288.
- Fortuny, J., Marcé-Nigué, J., Steyer, J.-S., De Esteban-Trivigno, S., Mujal, E. & Gil, L. 2016. Comparative 3D analyses and palaeoecology of giant early amphibians (Temnospondyli: Stereospondyli). Nature Scientific Reports, 6(30387), doi:10.1038/srep30387. (10pp).
- Foster, W.J. 2016. The evolution of modern reef ecosystems. The Palaeontological Association Newsletter, 93: 57-59.
- Foth, C., Ezcurra, M.D., Sookias, R.B., Brusatte, S.L. & Butler, R.J. 2016. Unappreciated diversification of stem archosaurs during the Middle Triassic predated the dominance of dinosaurs. BMC Evolutionary Biology, 16:188. DOI 10.1186/s12862-016-0761-6. (10pp).

- Foth, C., Hedrick, B.P. & Ezcurra, M.D. 2016. Cranial ontogenetic variation in early saurischians and the role of heterochrony in the diversification of predatory dinosaurs. *PeerJ* 4: e1589 <https://doi.org/10.7717/peerj.1589>.
- Francheschi, M., Preto, N., Maragon, A., Gattolin, G. & Meda, M. 2016. High precipitation rate in a Middle Triassic carbonate platform: implications on the relationship between seawater saturation state and carbonate production. *Earth and Planetary Science Letters*, 444: 215-224.
- Frankovic, A., Eguiluz, L. & Martínez-Torres, L.M. 2016. Geodynamic evolution of the Salinas de Añana diapir in the Basque-Cantabrian Basin, western Pyrenees. *Journal of Structural Geology*, 83: 13-27.
- Fraser, N.C. 2016. Palaeontology: a hook to the past. *Current Biology*, 26(20): R922-R925; dx.doi.org/10.1016/j.cub.2016.07.053.
- Freudenberger, W. 2016. Der Obere Buntsandstein in Kernbohrungen im südöstlichen Rhönvorland. *Geologica Bavarica*, 114: 59-90.
- Freudenberger, W., Friedlein, V. & Schulze, M. 2016. Die Forschungsbohrung Neuenbuch 1 bei Stadtprozelten/Unterfranken. *Geologica Bavarica*, 114: 9-40.
- Friedlein, V. 2016. Kleinzykengliedlung und Formationsgrenzen der Forschungsbohrung Neuenbuch 1. *Geologica Bavarica*, 114: 41-58.
- Fuhao Xiong, Changqian Ma, Hong'an Jiang & Hang Zhang. 2016. Geochronology and petrogenesis of Triassic high-K calc-alkaline granodiorites in the East Kunlun orogen, West China: juvenile lower crust melting during post-collisional extension. *Journal of Earth Science*, 27(3): 474-490.
- Fu-Jun Ma, Qiu-Jun Wang, Jun-Ling Dong, Hao-Fei Wang, Zi-Xi Wang, Feng-Tai Zhang & Bai-Nian Sun. 2016. A new plant assemblage from the Middle Triassic volcanic tuffs of Pingchuan, Gansu, northwestern China and its paleoenvironmental significance. *Paläontologische Zeitschrift*, 90(2): 349-376.
- Fujisaki, W., Sawaki, Y., Yamamoto, S., Sato, T., Nishizawa, M., Windley, B.F. & Maruyama, S. 2016. Tracking the redox history and nitrogen cycle in the pelagic Panthalassic deep ocean in the Middle Triassic to Early Jurassic: insights from redox-sensitive elements and nitrogen isotopes. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 449: 397-420.
- Fulong Cai, Lin Ding, Laskowski, A.K., Kapp, P., Houqi Wang, Qiang Xu & Liyun Zhang. 2016. Late Triassic paleogeographic reconstruction along the Neo-Tethyan Ocean margins, southern Tibet. *Earth and Planetary Science Letters*, 435: 105-114.
- Fulong Cai, Lin Ding, Wei Yao, Laskowski, A.K., Qiang Xu, Ji'en Zhang & Kyaing Sein. 2016. Provenance and tectonic evolution of Lower Paleozoic-Upper Mesozoic strata from Sibumasu terrane, Myanmar. *Gondwana Research*, 41: 325-336.
- Gacesa, R., Dunlap, W.C., Barlow, D.J., Laskowski, R.A. & Long, P.F. 2016. Rising levels of atmospheric oxygen and evolution of Nrf2. *Nature Scientific Reports*, 6(27740), doi:10.1038/srep27740. (5pp).
- Gaetani, M. 2016. Brachiopods from the type section of the Bithynian Substage (Anisian, Middle Triassic, northwestern Turkey). *Revista Italiana di Paleontologia e Stratigrafia*, 122(2): 61-76.
- Gale, L., Skaberne, D., Peybernes, C., Martini, R., Čar, J. & Rožič, B. 2016. Carnian reefal blocks in the Slovenian Basin, eastern Southern Alps. *Facies*, 62(4): DOI 10.1007/s10347-016-0474-8. (15pp).
- Gao ZhiYong, Zhou ChuanMin, Feng JiaRui, Wu Hao & Li Wen. 2016. Relationship between the Tianshan Mountains Uplift and depositional environment evolution of the basins in Mesozoic-Cenozoic. *Acta Sedimentologica Sinica*, 34(3): 415-435.
- Garbelli, C., Angiolini, L., Brand, U., Shu-zhong Shen, Jadoul, F., Posenato, R., Azmy, K. & Chang-qun Cao. 2016. Neotethys seawater chemistry and temperature at the dawn of the end Permian mass extinction. *Gondwana Research*, 35: 272-285.
- Gardiner, N.J., Searle, M.P., Morley, C.K., Whitehouse, M.P., Spencer, C.J. & Robb, L.J. 2016. The closure of Palaeo-Tethys in eastern Myanmar and northern Thailand: new insights from zircon U-Pb and Hf isotope data. *Gondwana Research*, 39: 401-422.
- Gardner, J.D. 2016. The fossil record of tadpoles. *Fossil Imprint*, 72(1-2): 17-44.
- Garner, J.D. & Rage, J.-C. 2016. The fossil record of lissamphibians from Africa, Madagascar, and the Arabian Plate. *Palaeodiversity and Palaeoenvironments*, 96(1): 169-220.
- Gastaldo, R.A. & Neveling, J. 2016. Comment on: "Anatomy of a mass extinction: sedimentological and taphonomic evidence for drought-induced die-offs at the Permo-Triassic boundary in the main Karoo Basin, South Africa" by R.M.H. Smith and J. Botha-Brink, *Palaeogeography, Palaeoclimatology, Palaeoecology* 396:99-118. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 447: 88-91.
- Gawlick, H.-J., Goričan, Š., Missoni, S., Dumitrica, P., Lein, R., Frisch, W. & Hoxha, L. 2016. Middle and Upper Triassic radiolarite components from the Kcira-Dushi-Komani ophiolite mélange and their provenance (Mirdita Zone, Albania). *Revue de Micropaléontologie*, 59(4): 359-380.
- Gawlick, H.-J., Missoni, S. & Suzuki, H. 2016. Triassic radiolarite and carbonate components from a Jurassic ophiolitic mélange (Dinaridic Ophiolite Belt). *Swiss Journal of Geosciences*, 109(3): 473-494.
- Geluk, M.C. & Röhling, H.-G. 2016. A tectono-stratigraphic model for the depositional history and basin development of the Permian-Early Triassic at the southern margin of the Southern Permian Basin (The Netherlands and adjacent parts of Belgium and Germany). *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*, 167(2-3): 149-166.
- Ghosh, N., Basu, A.R., Bhargava, O.N., Shukla, U.K., Ghatak, A., Garzzone, C.N. & Ahluwalia, A.D. 2016. Catastrophic environmental transition at the Permian-Triassic Neo-Tethyan margin of Gondwanaland: geochemical, isotopic and sedimentological evidence in the Spiti Valley, India. *Gondwana Research*, 34: 324-345.

- Ghosh, P., Vasiliev, M.V. and 7 others. 2016. Tracking the migration of the Indian continent using the carbonate clumped isotope technique on Phanerozoic soil carbonates. *Nature Scientific Reports*, 6(22187), doi:10.1038/srep22187. (7pp).
- Gianechini, F.A., Cordorniú, L., Arcucci, A.B., Elias, G.C. & Rivarola, D. 2016. Archosauriform remains from the Late Triassic of San Luis province, Argentina, Quebrada del Barro Formation, Marayes–El Carrizal Basin. *Journal of South American Earth Sciences*, 66: 110-124.
- Gierlowski-Kordesch, E.H., Falcon-Lang, H.J. & Cassle, C.F. 2016. Reply to comment on the paper of Gierlowski-Kordesch and Cassle “The ‘Spirorbis’ problem revisited: Sedimentology and biology of microconchids in marine-nonmarine transitions” [Earth-Science Reviews, 148 (2015): 209-227]. *Earth-Science Reviews*, 152: 201-204.
- Giesler, D., Gehrels, G., Pecha, M., White, C., Yokelson, I. & McClelland, W.C. 2016. U-Pb and Hf isotopic analysis of detrital zircons from the Taku terrane, southeast Alaska. *Canadian Journal of Earth Sciences*, 53(10): 979-992.
- Glen, R.A., Belousova, E. & Griffin, W.L. 2016. Different styles of modern and ancient non-collisional orogens and implications for crustal growth: a Gondwanaland perspective. *Canadian Journal of Earth Sciences*, 53(11): 1372-1415.
- Glorie, S. & De Grave, J. 2016. Exhuming the Meso-Cenozoic Kyrgyz Tianshan and Siberian Altai-Sayan: a review based on low-temperature thermochronology. *Geoscience Frontiers*, 7(2): 155-170.
- Golding, M.L., Mortensen, J.K., Ferri, F., Zonneveld, J.-P. & Orchard, M.J. 2016. Determining the provenance of Triassic sedimentary rocks in northeastern British Columbia and western Alberta using detrital zircon geochronology, with implications for regional tectonics. *Canadian Journal of Earth Sciences*, 53(2): 140-155.
- Golding, M.L. & Orchard, M.J. 2016. New species of the conodont *Neogondolella* from the Anisian (Middle Triassic) of northeastern British Columbia, Canada, and their importance for regional correlation. *Journal of Paleontology*, 90(6): 1197-1211.
- González, S.N., Greco, G.A., González, P.D., Sato, A.M., Lambías, E.J. & Varela, R. 2016. Geochemistry of a Triassic dyke swarm in the North Patagonian Massif, Argentina. Implications for a postorogenic event of the Permian Gondwanide orogeny. *Journal of South American Earth Sciences*, 70: 69-82.
- Grasby, S.E., Beauchamp, B., Bond, D.P.G., Wignall, P.B. & Sanei, H. 2016. Mercury anomalies associated with three extinction events (Capitanian Crisis, Latest Permian Extinction and the Smithian/Spathian Extinction) in NW Pangea. *Geological Magazine*, 153(Special Issue 2): 285-297.
- Grasby, S.E., Beauchamp, B. & Knies, J. 2016. Early Triassic productivity crises delayed recovery from the world's worst mass extinction. *Geology*, 44(9): 779-782.
- Gregori, D.A., Saini-Eidukat, B., Benedini, L., Strazzere, L., Barros, M. & Kostadinoff, J. 2016. The Gondwana Orogeny in Northern Patagonian Massif: evidences from the Caita Có granite, La Seña and Pangaré mylonites, Argentina. *Geoscience Frontiers*, 7(4): 621-638.
- Griffin, C.T. & Nesbitt, S.J. 2016. The femoral ontogeny and long bone histology of the Middle Triassic (? Late Anisian) dinosauriform *Asilisaurus kongwe* and implications for the growth of early dinosaurs. *Journal of Vertebrate Paleontology*, 36(3): e1111224 (22 pp.). DOI: 10.1080/02724634.2016.1111224.
- Griffin, C.T. & Nesbitt, S.J. 2016. Anomalously high variation in postnatal development is ancestral for dinosaurs but lost in birds. *Proceedings of the National Academy of Sciences of the United States of America*, 113(51): 14757-14762.
- Gruntmeyer, K., Konietzko-Meier, D. & Bodzioch, A. 2016. Cranial bone histology of *Metoposaurus krasiejowensis* (Amphibia, Temnospondyli) from the Late Triassic of Poland. *PeerJ* 4: e2685 https://doi.org/10.7717/peerj.2685. (25pp).
- Guang-hui Xu & Li-jun Zhao. 2016. A Middle Triassic stem-neopterygian fish from China shows remarkable secondary sexual characteristics. *Chinese Science Bulletin*, 61(4): 338-344.
- Guang-Hui Xu & Xin-Ying Ma. 2016. A Middle Triassic stem-neopterygian fish from China sheds new light on the peltopleuriform phylogeny and internal fertilization. *Chinese Science Bulletin*, 61(22): 1766-1774.
- Guangdi Liu, Zhelong Chen, Xulong Wang, Gang Gao, Baoli Xiang, Jiangling Ren & Wanyan Ma. 2016. Migration and accumulation of crude oils from Permian lacustrine source rocks to Triassic reservoirs in the Mahu depression of Junggar Basin, NW China: constraints from pyrrolic nitrogen compounds and fluid inclusion analysis. *Organic Geochemistry*, 101: 82-98.
- Guex, J. 2016. Retrograde Evolution During Major Extinction Crises. *SpringerBriefs in Evolutionary Biology*, xv+77pp. DOI: 10.1007/978-3-319-27917-6.
- Guex, J., Galster, F. & Hammer, Ø. 2016. Calibrating Biochronological Zones with Geochronology. In: Guex, J., Galster, F. & Hammer, Ø. (eds). *Discrete Biochronological Time Scales*. Switzerland: Springer International Publishing, 87-100.
- Guex, J., Pilet, S., Müntener, O., Bartolini, A., Spangenberg, J., Schoene, B., Sell, B. & Schaltegger, U. 2016. Thermal erosion of cratonic lithosphere as a potential trigger for mass-extinction. *Nature Scientific Reports*, 6(23168), doi:10.1038/srep23168. (9pp).
- Guido, A., Mastandrea, A., Stefani, M. & Russo, F. 2016. Role of autochthonous versus detrital micrite in depositional geometries of Middle Triassic platform carbonate systems. *Geological Society of America Bulletin*, 128(5-6): 989-999.
- Guillaume, B., Pochat, S., Monteaux, J., Husson, L. & Choblet, G. 2016. Can eustatic charts go beyond first order? Insights from the Permian-Triassic. *Lithosphere*, 8(5): 505-518.
- Guoshan Li, Yongbiao Wang, Shi, G.R., Wei Liao & Lixue Yu. 2016. Fluctuations of redox conditions across the Permian-Triassic boundary – new evidence from the GSSP section in Meishan of South China. *Palaeogeography, Palaeoecology, Palaeoclimatology*, 448: 48-58.
- Hagdorn, H. 2016. From benthic to pseudoplanktonic life: morphological remodeling of the Triassic crinoid

- Traumatocrinus* and the Jurassic *Seirocrinus* during habitat change. *Paläontologische Zeitschrift*, 90(2): 225-241.
- Haijin Xu, Junfeng Zhang, Yongfeng Wang & Wenlong Liu. 2016. Late Triassic alkaline complex in the Sulu UHP terrane: implications for post-collisional magmatism and subsequent fractional crystallization. *Gondwana Research*, 35: 390-410.
- Haijun Song, Jinnan Tong, Wignall, P.B., Mao Luo, Li Tian, Huyue Song, Yunfei Huang & Daoliang Chu. 2016. Early Triassic disaster and opportunistic foraminifers in South China. *Geological Magazine*, 153(Special Issue 2): 298-315.
- Hall, M.R., Rigby, S.P., Dim, P., Bateman, K., Mackintosh, S.J. & Rochelle, C.A. 2016. Post-CO₂ injection alteration of the pore network and intrinsic permeability tensor for a Permo-Triassic sandstone. *Geofluids*, 16(2): 249-263.
- Halpin, J.A., Hai Thanh Tran, Chun-kit Lai, Meffre, S., Crawford, A.J. & Khin Zaw. 2016. U-Pb zircon geochronology and geochemistry from NE Vietnam: a 'tectonically disputed' territory between the Indochina and South China blocks. *Gondwana Research*, 34: 254-273.
- Han Liu, Bao-di Wang, Long Ma, Rui Gao, Li Chen, Xiao-bo Li & Li-quan Wang. 2016. Late Triassic syn-exhumation magmatism in central Qiangtang: evidence from the Sangheu adakitic rocks. *Journal of Asian Earth Sciences*, 132: 9-24.
- Hansen, B.B., Milán, J., Clemmensen, L.B., Adolfsson, J.S., Estrup, E.J., Klein, N., Mateus, O. & Wings, O. 2016. Coprolites from the Late Triassic Kap Stewart Formation, Jameson Land, East Greenland: morphology, classification and prey inclusions. *Geological Society, London, Special Publications*, 434: 49-69.
- Hansma, J., Tohver, E., Schrank, C., Jourdan, F. & Adams, D. 2016. The timing of the Cape Orogeny: new ⁴⁰Ar/³⁹Ar age constraints on deformation and cooling of the Cape Fold Belt, South Africa. *Gondwana Research*, 32: 122-137.
- Hao Qiang, Lin Liangbiao, Yu Yu, Gao Jian & Qian Lijun. 2016. Research on provenance and characteristics of sandstone composition of Xujiahe Formation in southern Sichuan. *Northwestern Geology*, 48(4)2016: 110-120.
- Hao Songli, Li Zhaoyu & Li Wenhui. 2016. Sedimentary characteristics of turbidite of Chang 7 member in southwestern Ordos Basin. *Geological Bulletin of China*, 35(2): 424-432.
- Hao Wu, Cai Li, Jingwen Chen & Chaoming Xie. 2016. Late Triassic tectonic framework and evolution of central Qiangtang, Tibet, SW China. *Lithosphere*, 8(2): 141-149.
- Hao Yang, Wen-chun Ge, Qian Yu, Zheng Ji, Xi-wen Liu, Tan-long Zhang & De-xin Tian. 2016. Zircon U-Pb-Hf isotopes, bulk-rock geochemistry and petrogenesis of Middle to Late Triassic I-type granitoids in the Xing'an Block, northeast China: implications for early Mesozoic tectonic evolution of the central Great Xing'an Range. *Journal of Asian Earth Sciences*, 119: 30-48.
- Harper, C.J., Taylor, T.N., Krings, M. & Taylor, E.L. 2016. Structurally preserved fungi from Antarctica: diversity and interactions in late Palaeozoic and Mesozoic polar forest ecosystems. *Antarctic Sciences*, 28(3): 153-173.
- Haßlwanter, S. & Simon, T. 2016. Porenzemente, Senkung und Hebung von Kalksteinen des Marbach-Ooliths, Oberer Muschelkalk. *Jahreshefte der gesellschaft für Naturkunde in Württemburg*, 172: 109-127.
- He Bizhu & Zheng Menglin. 2016. Structural characteristics and formation dynamics: a review of the main sedimentary basins in the continent of China. *Acta Geologica Sinica*, 90(4): 1156-1194.
- He Zhang, Ri-Sheng Ye, Bing-Xiang Liu, Yan Wang, Yuan-Shuo Zhang, Siebel, W. & Fukun Chen. 2016. Partial melting of the South Qinling orogenic crust, China: evidence from Triassic migmatites and diorites of the Foping dome. *Lithos*, 260: 44-57.
- Henares, S., Arribas, J., Cultrone, G. & Viseras, C. 2016. Muddy and dolomitic rip-up clasts in Triassic fluvial sandstones: origin and impact on potential reservoir properties (Argana Basin, Morocco). *Sedimentary Geology*, 339: 218-233.
- Henares, S., Caracciolo, L., Viseras, C., Fernández, J. & Yeste, L.M. 2016. Diagenetic constraints on heterogeneous reservoir quality assessment: a Triassic outcrop analog of meandering fluvial reservoirs. *AAPG Bulletin*, 100(9): 1377-1398.
- Hendrickx, C., Abdala, F. & Choiniere, J. 2016. Postcanine microstructure in *Cricodon metabolus*, a Middle Triassic gomphodont cynodont from south-eastern Africa. *Palaeontology*, 59(6): 851-861.
- Hendrickx, C. & Carrano, M.T. 2016. Erratum on "An overview of non-avian theropod discoveries and classification". *PalArch's Journal of Vertebrate Palaeontology*, 13(2): 1-7.
- Hennig, J., Hall, R. & Armstrong, R.A. 2016. U-Pb zircon geochronology of rocks from west Central Sulawesi, Indonesia: extension-related metamorphism and magmatism during the early stages of mountain building. *Gondwana Research*, 32: 41-63.
- Herbst, R. & Crisafulli, A. 2016. *Buckyia austroamericana* nov. gen. et sp. (Bennettitales) from the Upper Triassic Laguna Colorado Formation (El Tranquilo Group), Santa Cruz province, Argentina. *Serie Correlación Geológica*, 32(1-2): 85-100.
- Hess, H., Etter, W. & Hagdorn, H. 2016. Roveacrinida (Crinoidea) from Late Triassic (early Carnian) black shales of Southwest China. *Swiss Journal of Palaeontology*, 135(2): 249-274.
- Heunisch, C. & Röhling, H.-G. 2016. Early Triassic phytoplankton episodes in the Lower and Middle Buntsandstein of the Central European Basin. *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*, 167(2-3): 227-248.
- Hinsken, T., Bröcker, M., Berndt, J. & Gärtner, C. 2016. Maximum sedimentation ages and provenance of metasedimentary rocks from Tinos Island, Cycladic blueschist belt, Greece. *International Journal of Earth Sciences*, 105(7): 1923-1940.
- Hips, K., Haas, J. & Györi, O. 2016. Hydrothermal dolomitization of basinal deposits controlled by a synsedimentary fault system in Triassic extensional setting, Hungary. *International Journal of Earth Sciences*, 105(4): 1215-1231.
- Hochuli, P.A. 2016. Interpretation of "fungal spikes" in Permian-Triassic boundary sections. *Global and Planetary Change*, 144: 48-50.
- Hochuli, P.A., Sanson-Barrera, A., Schneebeli-Hermann, E. & Bucher, H. 2016. Severest crisis overlooked – worst disruption of terrestrial environments postdates Permian-Triassic mass

- extinction. *Nature Scientific Reports*, 6(28372), doi:10.1038/srep28372. (7pp).
- Holmer, L.E., Popov, L.E., Klishevich, I. & Pour, M.G. 2016. Reassessment of the Early Triassic lingulid brachiopod '*Lingula*' *borealis* Bittner, 1899 and related problems of lingulid taxonomy. *GFF*, 138(4): 519-525.
- Hong-Fu Zhang, Dong-Ya Zou, Santosh, M. & Bin Zhu, 2016. Phanerozoic orogeny triggers reactivation and exhumation in the northern part of the Archean-Paleoproterozoic North China Craton. *Lithos*, 261: 46-54.
- Hounslow, M.W. 2016. Geomagnetic reversal rates following Palaeozoic superchrons have a fast restart mechanism. *Nature Communications*, 7, article 12507. DOI: 10.1038/ncomms12507. (13pp).
- Hu Nie, Xin Wan, He Zhang, Jian-Feng He, Zhen-Hui Hou, Siebel, W. & Fukun Chen. 2016. Ordovician and Triassic mafic dykes in the Wudang terrane: evidence for opening and closure of the South Qinling ocean basin, central China. *Lithos*, 266-267: 1-15.
- Hua Yang, Xiaobing Niu, Liming Xu, Shengbin Feng, Yuan You, Xiaowei Liang, Fang Wang & Dandan Zhang. 2016. Exploration potential of shale oil in Chang7 Member, Upper Triassic Yanchang Formation, Ordos Basin, NW China. *Petroleum Exploration and Development*, 43(4): 560-569.
- Hui Zhang, Chang-qun Cao and 7 others. 2016. The terrestrial end-Permian mass extinction in South China. *Palaeogeography, Palaeoecology, Palaeoclimatology*, 448: 108-124.
- Hu-Ting Wu, Wei-Hong He, Yang Zhang, Ting-Lu Yang, Yi-Fan Xiao, Bing Chen & Weldon, E.A. 2016. Palaeobiogeographic distribution patterns and processes of *Neochonetes* and *Fusichonetes* (Brachiopoda) in the late Palaeozoic and earliest Mesozoic. *Palaeoworld*, 25(4): 508-518.
- Hunt, A.P. & Lucas, S.G. 2016. The case for archetypal vertebrate ichnofacies. *Ichnos*, 23(3-4): 237-247.
- Huttenlocker, A.K. & Sidor, C.A. 2016. The first karenitid (Therapsida, Therocephalia) from the Upper Permian of Gondwana and the biogeography of Permo-Triassic therocephalians. *Journal of Vertebrate Paleontology*, 36(4): e1111897 (12 pp.). DOI: 10.1080/02724634.2016.1111897.
- Hyžný, M., Haug, C. & Haug, J.T. 2016. *Mesoprosopon triasinum* from the Triassic of Australia revisited: the oldest eumalacostracan larva known to date and its significance for interpreting fossil cycloids. *Gondwana Research*, 37: 86-97.
- Ibarra, Y., Corsetti, F.A., Greene, S.E. & Bottjer, D.J. 2016. A microbial carbonate response in synchrony with the end-Triassic mass extinction across the SW UK. *Nature Scientific Reports*, 6(19808), doi:10.1038/srep19808. (8pp).
- Isaa, A., Ghaderi, A., Ashouri, A.R. & Korn, D. 2016. Late Permian and Early Triassic conodonts of the Zal section in the northwest of Iran. *Journal of Stratigraphy and Sedimentary Researches*, 32(3): 55-74.
- Ito, T., Xin Qian & Qinghai Feng. 2016. Geochemistry of Triassic siliceous rocks of the Muyinhe Formation in the Changning-Menglian belt of southwest China. *Journal of Earth Science*, 27(3): 403-411.
- Izokh, A.E., Medvedev, Ya.A., Fedoseev, G.S., Polyakov, G.V., Nikolaeva, I.V. & Palesskii, S.V. 2016. Distribution of PGE in Permo-Triassic basalts of the Siberian Large Igneous Province. *Russian Geology and Geophysics*, 57(5): 809-821.
- Jackson, C.A.-L. & Lewis, M.M. 2016. Structural style and evolution of a salt-influenced rift basin margin: the impact of variations in salt composition and the role of polyphase extension. *Basin Research*, 28(1): 81-102.
- Jamil, A., Ghani, A.A., Khin Zaw, Osman, S. & Long Xiang Quek. 2016. Origin and tectonic implications of the ~200 Ma, collision-related Jerai pluton of the Western Granite Belt, Peninsular Malaysia. *Journal of Asian Earth Sciences*, 127: 32-46.
- Japsen, P., Green, P.F., Bonow, J.M. & Erlstöm, M. 2016. Episodic burial and exhumation of the southern Baltic Shield: epeirogenic uplifts during and after break-up of Pangaea. *Gondwana Research*, 35: 357-377.
- Jattiot, R., Bucher, H., Brayard, A., Monnet, C., Jenks, J.F. & Hautmann, M. 2016. Revision of the genus *Anasibirites* Mojsisovics (Ammonoidea): an iconic and cosmopolitan taxon of the late Smithian (Early Triassic) extinction. *Papers in Palaeontology*, 2(1): 155-188.
- Jerram, D.A., Svensen, H.H., Planke, S., Polozov, A.G. & Torsvik, T.H. 2016. The onset of flood volcanism in the north-western part of the Siberian Traps: explosive volcanism versus effusive lava flows. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 441: 38-50.
- Jian-gang Wang, Fu-yuan Wu, Garzanti, E., Xiumian Hu, Wei-qiang Ji, Zhi-chao Liu & Xiao-chi Liu. 2016. Upper Triassic turbidites of the northern Tethyan Himalaya (Langjixue Group): the terminal of a sediment-routing system sourced in the Gondwanide Orogen. *Gondwana Research*, 34: 84-98.
- Jian-Jun Fan, Cai Li, Chao-Ming Xie & Yi-Ming Liu. 2016. Depositional environment and provenance of the upper Permian-Lower Triassic Tianquanshan Formation, northern Tibet: implications for the Palaeozoic evolution of the southern Qiangtang, Lhasa, and Himalayan terranes in the Tibetan Plateau. *International Geology Review*, 58(2): 228-245.
- Jie Tang, Wen-liang Xu, Feng Wang, Shuo Zhao & Wei Wang. 2016. Early Mesozoic southward subduction history of the Mongol-Okhotsk oceanic plate: evidence from geochronology and geochemistry of Early Mesozoic intrusive rocks in the Erguna Massif, NE China. *Gondwana Research*, 31: 218-240.
- Jin-Cheng Xie, Di-Cheng Zhu, Guochen Dong, Zhi-Dan Zhao, Qing Wang & Xuanxue Mo. 2016. Linking the Tengchong Terrane in SW Yunnan with the Lhasa Terrane in southern Tibet through magmatic correlation. *Gondwana Research*, 39: 217-229.
- Jingeng Sha, Yaqiong Wang, Yanhong Pan, Xiaogang Yao, Xin Rao, Huawei Cai & Xiaolin Zhang. 2016. Temporal and spatial distribution patterns of the marine-brackish-water bivalve *Waagenoperna* in China and its implications for climate and palaeogeography through the Triassic-Jurassic transition. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 464: 43-50.
- Jing-yu Wu, Su-ting Ding, Qi-jia Li, Bai-nian Sun & Yong-dong Wang. 2016. Reconstructing paleoatmospheric CO₂ levels

- based on fossil Ginkgoites from the Upper Triassic and Middle Jurassic of northwest China. *Paläontologische Zeitschrift*, 90(2): 377-387.
- Jones, M.T., Jerram, D.A., Svensen, H.H. & Grove, C. 2016. The effects of large igneous provinces on the global carbon and sulphur cycles. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 441: 4-21.
- Jordan, N. & Clements, D. 2016. Field Meeting Report: Nottingham; following the GA Building Stones Conference. *Magazine of the Geologists' Association*, 15(3): 17-20.
- Jordan, P. 2016. Reorganisation of the Triassic stratigraphic nomenclature of northern Switzerland: overview and the new Dinkelberg, Kaiseraugst and Zeglingen formations. *Swiss Journal of Geosciences*, 109(2): 241-255.
- Jordan, P., Pietsch, J.S., Bläsi, H., Furrer, H., Kündig, N., Looser, N. & Wetzel, A. 2016. The middle to late Triassic Bänkerjoch and Klettgau formations of northern Switzerland. *Swiss Journal of Geosciences*, 109(2): 257-284.
- Jun Chen, Shu-zhong Shen and 12 others. 2016. High-resolution SIMS oxygen isotope analysis on conodont apatite from South China and implications for the end-Permian mass extinction. *Palaeogeography, Palaeoecology, Palaeoclimatology*, 448: 26-38.
- Jun Liu. 2016. *Yuanansuchus maopingchangensis* sp. nov., the second capitosauroid temnospondyl from the Middle Triassic Badong Formation of Yuanan, Hubei, China. *PeerJ* 4: e1903 <https://doi.org/10.7717/peerj.1903>.
- Jun Shen, Qinglai Feng, Algeo, T.J., Chao Li, Planavsky, N.J., Lian Zho & Mingliang Zhang. 2016. Two pulses of oceanic environmental disturbance during the Permian-Triassic boundary crisis. *Earth and Planetary Science Letters*, 443: 139-152.
- Kainian Huang & Opdyke, N.D. 2016. Paleomagnetism of the Upper Triassic rocks from south of the Ailaoshan Suture and the timing of the amalgamation between the South China and the Indochina Blocks. *Journal of Asian Earth Sciences*, 119: 118-127.
- Kamata, Y., Ueno, K., Miyahigashi, A., Hara, H., Hisada, K., Charoentirat, T. & Charusiri, P. 2016. Geological significance of the discovery of Middle Triassic (Ladinian) radiolarians from the Hong Hoi Formation of the Lampang Group, Sukhothai Zone, northern Thailand. *Revue de Micropaléontologie*, 59(4): 347-358.
- Kammann, J., Hübscher, C., Boldreel, L.O. & Nielsen, L. 2016. High resolution shear-wave seisms across the Carlsberg Fault zone south of Copenhagen – implications for linking Mesozoic and late Pleistocene structures. *Tectonophysics*, 682: 56-64.
- Kammerer, C.F., Butler, R.J., Bandyopadhyay, S. & Stocker, M.R. 2016. Relationships of the Indian phytosaur *Parasuchus hislopi* Lydekker, 1885. *Papers in Palaeontology*, 2(1): 1-23.
- Kano, Y., Brenzinger, B., Nützel, A., Wilson, N.G. & Schrödl, M. 2016. Ringiculid bubble snails recovered as the sister group to sea slugs (Nudipleura). *Nature Scientific Reports*, 6(30908), doi:10.1038/srep30908. (11pp).
- Karádi, V., Pelikán, P. & Haas, J. 2016. Conodont biostratigraphy of Upper Triassic dolomites of the Buda Hills (Transdanubian Range, Hungary). *Földtani Közlöny*, 146(4): 371-386.
- Kati, M., Magganas, A., Zambetakis-Lekkas, A. & Logothetis, V. 2016. Late Triassic carbonate breccias and boulders from the Sub-Pelagonian Platform in Attica, Greece: constraints on the platform evolution. *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen*, 282(3): 291-303.
- Kaya, A. 2016. Tectono-stratigraphic reconstruction of the Keban metamorphites based on new fossil findings, Eastern Turkey. *Journal of African Earth Sciences*, 124: 245-257.
- Ke Li, Jolivet, M., Zhicheng Zhang, Jianfeng Li & Wenhao Tang. 2016. Long-term exhumation history of the Inner Mongolian Plateau constrained by apatite fission track analysis. *Tectonophysics*, 666: 121-133.
- Ke Yan & Zeng Yong. 2016. Global brachiopod diversity analysis from Changhsingian (late Permian) to Late Triassic. *Acta Palaeontologica Sinica*, 55(4): 439-450.
- Kear, B.P., Lindgren, J., Hurum, J.H., Milà, J. & Vajda, V. 2016. An introduction to the Mesozoic biotas of Scandinavia and its Arctic territories. *Geological Society, London, Special Publications*, 434: 1-14.
- Kear, B.P., Poropat, S.F. & Bazzi, M. 2016. Late Triassic capitosaurian remains from Svalbard and the palaeobiogeographical context of Scandinavian Arctic temnospondyls. *Geological Society, London, Special Publications*, 434: 113-126.
- Kelley, N.P., Motani, R., Embree, P. & Orchard, M.J. 2016. A new Lower Triassic ichthyopterygian assemblage from Fossil Hill, Nevada. *PeerJ* 4: e1626 <https://doi.org/10.7717/peerj.1626>.
- Keppie, F. 2016. How subduction broke up Pangaea with implications for the supercontinent cycle. *Geological Society, London, Special Publications*, 424: 265-288.
- Keppie, J.D., Dostal, J. & Shellnutt, J.G. 2016. Old and juvenile source of Paleozoic and Mesozoic basaltic magmas in the Acatlán and Ayú complexes, southern Mexico: Nd isotopic constraints. *Tectonophysics*, 681: 376-384.
- Kershaw, S., Collin, P.-Y. & Crasquin, S. 2016. Comment on Lehrmann et al. new sections and observations from the Nanpanjiang Basin, South China. *Palaios*, 31(3): 111-117.
- Kershaw, S. & Li Guo. 2016. Beef and cone-in-cone calcite fibrous cements associated with the end-Permian and end-Triassic mass extinctions: reassessment of processes of formation. *Journal of Palaeogeography*, 5(1): 28-42.
- Khan, A.A. & Shuib, M.L. 2016. A review of the Bentong-Raub Suture vis-à-vis new insight of the tectonic evolution of Malay Peninsula, South East Asia. *Acta Geologica Sinica*, 90(5): 1865-1886.
- Kılıç, A.M. 2016. A new pelagic conodont taxon of the Central Pontides (Turkey). *Turkish Journal of Earth Sciences*, 25(5): 456-466.
- Kılıç, A.-M., Plasencia, P., Ishida, K., Guex, J. & Hirsch, F. 2016. Proteromorphosis of *Neospathodus* (Conodonta) during the Permian-Triassic crisis and recovery. *Revue de Micropaléontologie*, 59(1): 33-39.
- Kirichkova, A.I. & Esenina, A.V. 2016. Middle Triassic pteridosperms (Pinophyta) of the Timan-Pechora Basin, Stratigraphy and Geological Correlation, 24(2): 105-117.
- Kiss, G.B., Molnar, F. & Palinkaš, L. 2016. Hydrothermal processes related to Triassic and Jurassic submarine basaltic

- complexes in northeastern Hungary and in the Dinarides and Hellenides. *Geologija Croatica*, 69(1): 39-64.
- Kiss, G.B., Oláh, E., Zaccarini, F. & Szakáll, S. 2016. Neotethyan rift-related ore occurrences: study of an accretionary mélange complex (Darnó Unit, NE Hungary). *Geologica Carpathica*, 67(1): 105-115.
- Klausen, T.G., Ryseth, A., Helland-Hansen, W. & Gjelberg, H.K. 2016. Progradational and backstepping shoreface deposits in the Ladinian to Early Norian Snadd Formation of the Barents Sea. *Sedimentology*, 63(4): 893-916.
- Klein, H., Milà, J. and 7 others. 2016. Archosaur footprints (cf. *Brachyichirotherium*) with unusual morphology from the Upper Triassic Fleming Fjord Formation (Norian-Rhaetian) of East Greenland. Geological Society, London, Special Publications, 434: 71-85.
- Klein, H., Wizevich, M.C., Thüring, B., Marty, D., Thüring, S., Falkingham, P. & Meyer, C.A. 2016. Triassic chirotheriid footprints from the Swiss Alps: ichnotaxonomy and depositional environment (Cantons Wallis & Glarus). *Swiss Journal of Palaeontology*, 135(2): 295-314.
- Klein, N. & Griebeler, E.M. 2016. Bone histology, microanatomy, and growth of the nothosauroid *Simosaurus gaillardotii* (Sauropterygia) from the Upper Muschelkalk of southern Germany/Baden-Württemberg. *Comptes Rendus Palevol*, 15(1-2): 142-162.
- Klein, N., Sander, P.M., Krahl, A., Scheyer, T.M. & Houssaye, A. 2016. Diverse aquatic adaptations in *Nothosaurus* spp. (Sauropterygia) – inferences from humeral histology and microanatomy. *PLoS ONE*, 11(7): e0158448. doi:10.1371/journal.pone.0158448.
- Klein, N., Voeten, D.F.A.E., Haarhuis, A. & Bleeker, M. 2016. The earliest record of the genus *Lariosaurus* from the early Middle Anisian (Middle Triassic) of the Germanic Basin. *Journal of Vertebrate Paleontology*, 36(4): e1163712 (9 pp.). DOI: 10.1080/02724634.2016.1163712.
- Klompmaker, A.A., Nützel, A. & Kaim, A. 2016. Drill hole convergence and a quantitative analysis of drill holes in mollusks and brachiopods from the Triassic of Italy and Poland. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 457: 342-359.
- Knaust, D. & Neumann, C. 2016. *Asteriacites* von Schlotheim, 1820 – the oldest valid ichnogenus name – and other asterozoan-produced fossils. *Earth-Science Reviews*, 157: 111-120.
- Knaust, D., Uchman, A. & Hagdorn, H. 2016. The probable isopod burrow *Sinusichnus seitacheri* isp. n. from the Middle Triassic of Germany: an example of behavioural convergence. *Ichnos*, 23(1-2): 138-146.
- Knoll, A.H. & Follows, M.J. 2016. A bottom-up perspective on ecosystem change in Mesozoic oceans. *Proceedings of the Royal Society of London*, B.283(1841). 20161755; DOI: 10.1098/rspb.2016.1755.
- Kogan, I. & Romano, C. 2016. Redescription of *Saurichthys madagascariensis* Piveteau, 1945 (Actinopterygii, Early Triassic), with implications for the early saurichthyid morphotype. *Journal of Vertebrate Paleontology*, 36(4): e1151886 (21 pp.). DOI: 10.1080/02724634.2016.1151886.
- Kogan, I. & Romano, C. 2016. A new postcranium of *Saurichthys* from the Early Triassic of Spitsbergen. *Paläontologie, Stratigraphie, Fazies*, 23: 205-221. [Freiberger Forschungshefte, C 550].
- Komatsu, T., Takashima, R. and 7 others. 2016. Carbon isotopic excursions and detailed ammonoid and conodont biostratigraphies around Smithian-Spathian boundary in the Bac Thuy Formation, Vietnam. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 454: 65-74.
- Kondla, D., Sanei, H., Clarkson, C.R., Ardakani, O.H., Xibo Wang & Chunqing Jiang. 2016. Effects of organic and mineral matter on reservoir quality in a Middle Triassic mudstone in the Canadian Arctic. *International Journal of Coal Geology*, 153: 112-126.
- Kong-Yang Zhu, Zheng-Xiang Li, Xi-Sheng Xu, Wilde, S.A. & Han-Lin Chen. 2016. Early Mesozoic ferroan (A-type) and magnesian granitoids in eastern South China: tracing the influence of flat-slab subduction at the western Pacific margin. *Lithos*, 240-243: 371-381.
- Konotio, I., Lagnaoui, A., Chellai, E.H., Fabuel-Perez, I. & Redfern, J. 2016. Reconnaissance des caractères sédimentaires et ichnofaciès des grès triasiques de Tighadwine, Haut-Atlas de Marrakech-Maroc. *Boletín Geológico y Minero*, 127(2-3): 361-374.
- Kozłowska, M., Barski, M., Mieszkowski, R. & Antoszewska, K. 2016. A new Triassic-Jurassic section in the southern part of the Holy Cross Mts. (Poland) - implications for palaeogeography. *Geological Quarterly*, 60(2): 365-384.
- Kozu, S., Apsorn Sardsud, Doungrutai Saesaengseerung, Chedchan Pothichaiya, Agematsu, S. & Sashida, K. 2016. An overview of dinosaur footprints from the Khorat Group, northeastern Thailand, and characteristics of the dinosaur ichnofauna. *Fossils – The Palaeontological Society of Japan*, 100: 109-123.
- Krainer, K. & Meyer, M. 2016. Innsbruck's geology in a nutshell: from the Hafelekar to the Hötting Breccia. *Geo.Alp*, 13: 215-228.
- Krapovikas, V., Mángano, M.G., Buatois, L.A. & Marsicano, C.A. 2016. Integrated ichnofacies models for deserts: recurrent patterns and megatrends. *Earth-Science Reviews*, 157: 61-85.
- Kubo, T. & Kubo, M.O. 2016. Nonplantigrade foot posture: a constraint on dinosaur body size. *PLoS ONE*, 11(1): e0145716. doi:10.1371/journal.pone.0145716. (14pp).
- Kustatscher, E., Bernardi, M., Petti, F.M., Avanzini, M. & Tomasoni, R. 2016. Late Paleozoic and Mesozoic terrestrial environments in the Dolomites and surrounding areas. *Geo. Alp*, 13: 71-116.
- Labandeira, C.C., Kustatscher, E. & Wappler, T. 2016. Floral assemblages and patterns of insect herbivory during the Permian to Triassic of northeastern Italy. *PLoS ONE*, 11(11): e0165205. Doi:10.1371/journal.pone.0165205. (49pp).
- Lacerda, M.B., Mastrandio, B.M., Fortier, D.C. & Schultz, C.L. 2016. New insights on *Prestosuchus chiniquensis* Huene, 1942 (Psurosuchia, Loricata) based on new specimens from the “Tree Sanga” outcrop, Chiniquá Region, Rio Grande do Sul, Brazil. *PeerJ* 4: e1622 <https://doi.org/10.7717/peerj.1622>. (47pp).

- Lagnaoui, A., Klein, H., Saber, H., Fekkak, A., Belahmira, A. & Schneider, J.W. 2016. New discoveries of archosaur and other footprints from the Timezgadioine Formation (Irohalene Member, Upper Triassic) of the Argana Basin, western High Atlas, Morocco – ichnotaxonomic implications. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 453: 1-9.
- Lakin, R.J., Duffin, C.J., Hildebrandt, C. & Benton, M.J. 2016. The Rhaetian vertebrates of Chipping Sodbury, South Gloucestershire, UK, a comparative study. *Proceedings of the Geologists' Association*, 127(1): 40-52.
- Lamsdell, J.C. 2016. Horseshoe crab phylogeny and independent colonizations of fresh water: ecological invasion as a driver for morphological innovation. *Palaeontology*, 59(2): 181-194.
- Lara, M.B. & Bo Wang. 2016. New hemipteran insects (Eoscarterellidae, Scytinopteridae, and Protosyllidiidae) from the Upper Triassic Potrerillos Formation of Mendoza, Argentina. *Paläontologische Zeitschrift*, 90(1): 49-61.
- Lau, K.V., Maher, K. and 8 others. 2016. Marine anoxia and delayed Earth system recovery after the end-Permian extinction. *PNAS*, 113(9): 2360-2365.
- Lautenschlager, S., Brassey, C.A., Button, D.J. & Barrett, P.M. 2016. Decoupled form and function in disparate herbivorous dinosaur clades. *Nature Scientific Reports*, 6(26495), doi:10.1038/srep26495. (10pp).
- Lautenschlager, S. & Butler, R.J. 2016. Neural and endocranial anatomy of Triassic phytosaurian reptiles and convergence with fossil and modern crocodylians. *PeerJ* 4: e2251 https://doi.org/10.7717/peerj.2251. (20pp).
- Le Yao, Aretz, M., Jitao Chen, Webb, G.E. & Xiangdong Wang. 2016. Global microbial carbonate proliferation after the end-Devonian mass extinction: mainly controlled by demise of skeletal bioconstructors. *Nature Scientific Reports*, 6(39694), doi:10.1038/srep39694. (9pp).
- LeBlanc, A.R.H., Reisz, R.R., Brink, K.S. & Abdala, F. 2016. Heterochrony and the evolution of mammalian tooth attachment (Abstract). *Vertebrate Anatomy Morphology Palaeontology*, 2: 37-38.
- Lecuona, A., Ezcurra, M.D. & Irmis, R.B. 2016. Revision of the early crocodylomorph *Trialestes romeri* (Archosauria, Suchia) from the lower Upper Triassic Ischigualasto Formation of Argentina: one of the oldest-known crocodylomorphs. *Papers in Palaeontology*, 2(4): 585-622.
- Ledneva, G.V., Peaseb, V.L. & Bazylev, B.A. 2016. Late Triassic siliceous-volcano-terrigenous deposits of the Chukchi Peninsula: composition of igneous rocks, U-Pb age of zircons, and geodynamic interpretations. *Russian Geology and Geophysics*, 57(8): 1119-1134.
- Lehrmann, D.J., Bentz, J.M. and 15 others. 2016. Reply: Permian-Triassic microbialite and dissolution surface environmental controls on the genesis of marine microbialites and dissolution surface associated with the end-Permian mass extinction: new sections and observations from the Nanpanjiang Basin, South China. *Palaios*, 31(3): 118-121.
- Lei Gong, Lianbo Zeng, Zhiyong Gao, Rukai Zhu & Benjian Zhang. 2016. Reservoir characterization and origin of tight gas sandstones in the Upper Triassic Xujiahe formation, western Sichuan Basin, China. *Journal of Petroleum Exploration and Production Technology*, 6(3): 319-329.
- Lei Liang, Jinnan Tong, Haijun Song, Ting Song, Li Tian, Huyue Song & Haiou Qiu. 2016. Lower-Middle Triassic conodont biostratigraphy of the Mingtang section, Nanpanjiang Basin, South China. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 459: 381-393.
- Lei Xiang, Schoepfer, S.D., Hua Zhang, Dong-xun Yuan, Chang-qun Cao, Quan-feng Zheng, Henderson, C.M. & Shu-zhong Shen. 2016. Oceanic redox evolution across the end-Permian mass extinction at Shangsi, South China. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 448: 59-71.
- Legendre, L.J., Guénard, G., Botha-Brink, J. & Cubo, J. 2016. Palaeohistological evidence for ancestral high metabolic rate in archosaurs. *Systematic Biology*, 65(6): 989-996.
- Leleu, S., Hartley, A.J., van Oosterhout, C., Kennan, L., Ruckwied, K. & Geres, K. 2016. Structural, stratigraphic and sedimentological characterisation of a wide rift system: the Triassic rift system of the Central Atlantic Domain. *Earth-Science Reviews*, 158: 89-124.
- Lerch, B., Karlsen, D.A., Matapour, Z., Seland, R. & Backer-Owe, K. 2016. Organic geochemistry of Barents Sea petroleum: thermal maturity and alteration and mixing processes in oils and condensates. *Journal of Petroleum Geology*, 39(2): 125-147.
- Lessner, E.J., Stocker, M.R., Smith, N.D., Turner, A.H., Irmis, R.B. & Nesbitt, S.J. 2016. A new rauisuchid (Archosauria: Pseudosuchia) from the Upper Triassic (Norian) of New Mexico increases the diversity and temporal range of the clade. *PeerJ* 4: e2336 https://doi.org/10.7717/peerj.2336. (28pp).
- Li Chun, Rieppel, O., Cheng Long & Fraser, N.C. 2016. The earliest herbivorous marine reptile and its remarkable jaw apparatus. *Science Advances*, 2(5). DOI: 10.1126/sciadv.1501659. (4pp).
- Li HongWei, Li Fei, Hu Guang, Tan XiuCheng & Li Ming. 2016. A review of studies on global changes of sea level across the Permian Triassic boundary. *Acta Sedimentologica Sinica*, 34(6): 1077-1091.
- Li Huan, Xi Xiaoshuang, Sun Huashan, Kong Hua, Wu Qianhong, Wu Chengming & Gabo-Ratio, J.A.S. 2016. Geochemistry of the Batang Group in the Zhaokalong area, Yushu, Qinghai: implications for the Late Triassic tectonism in the northern Sanjiang region, China. *Acta Geologica Sinica*, 90(2): 704-721.
- Li Junjian, Tang Wenlong and 8 others. 2016. Re-Os isotopic dating of molybdenites from the Bilugangan porphyry Mo deposit in Abag Banner, Inner Mongolia, and its geological significance. *Geological Bulletin of China*, 35(4): 519-523.
- Li Qiu-peng, Wan You-li, Jiang Qi, Ding Xiao-qi, Liu Xi-xiang, Ren Qi-hao, Gao Shan & Chen Jun. 2016. Diagenesis and favourable diagenetic facies zones of the Chang-6 oil reservoirs in the Binxian-Changwu region, Ordos Basin. *Sedimentary Geology and Tethyan Geology*, 36(2016:4): 21-29.
- Li Rong, Hu ZhongGui, Zhang Hang, Hu MingYi, Chan Xuan, Zhu YiXin & Liu Fei. 2016. Depositional pattern and reservoir distribution of Changxing Formation intra-platform reef and shoal in Wolonghe-Yangduxu zone of eastern Sichuan Basin. *Acta Sedimentologica Sinica*, 34(5): 973-982.

- Li Xianghui, Wang Chengshan, Liu Shugen, Ran Bo, Xu Wenli & Zhou Yong. 2016. Chronology of the volcanic rock intercalations within the flysch of the Songpan-Ganzi folded belt and its geological significance. *Geological Bulletin of China*, 35(6): 879-886.
- Li Ya, Yao Jian-xin, Wang Si-en & Pang Qi-qing. 2016. Middle-Late Triassic terrestrial strata and establishment of stages in the Ordos Basin. *Acta Geoscientica Sinica*, 2016(3): 267-276.
- Li Zhiguang, Sun Zuoyu, Jiang Dayong & Ji Chang. 2016. LA-ICP-MS zircon U-Pb age of the fossil layer of Triassic Xingyi fauna from Xingyi, Guizhou, and its significance. *Geological Review*, 62(3): 779-790.
- Li Zhucang, Li Yongjun, Qi Jianhong, Zhang Haifeng, Yang Zhiyong, Liu Zhibing & Zhou Ye. 2016. Geochemical characteristics and tectonic significance of the volcanic rocks from the Lower Triassic Huari Formation in west Qinling. *Northwestern Geology*, 48(1)2016: 26-33.
- Liang Qiu, Dan-ping Yan, Shaung-li Tang, Qin Wang, Wen-xin Yang, Xiangli Tang & Jibin Wang. 2016. Mesozoic geology of southwestern China: Indosinian foreland overthrusting and subsequent deformation. *Journal of Asian Earth Sciences*, 122: 91-105.
- Limarino, C.O., Ciccioli, P.L., Krapovickas, V. & Benedutto, L.D. 2016. Estratigrafía de las sucesiones Mesozoicas, Paleógenas y Neógenas de las quebradas Santo Domingo y El Peñón (Precordillera septentrional Riojana). *Revista de la Asociación Geológica Argentina*, 73(3): 301-318.
- Liming Ji, Cong He, Mingzhen Zhang, Yuandong Wu & Xiangbo Li. 2016. Bicyclic alkanes in source rocks of the Triassic Yanchang Formation in the Ordos Basin and their inconsistency in oil-source correlation. *Marine and Petroleum Geology*, 72: 359-373.
- Lindström, S. 2016. Palynofloral patterns of terrestrial ecosystem change during the end-Triassic event – a review. *Geological Magazine*, 153(Special Issue 2): 223-251. (Erratum: 355).
- Lindström, S., Irmis, R.B., Whiteside, J.H., Smith, N.D., Nesbitt, S.J. & Turner, A.H. 2016. Palynology of the upper Chinle Formation in northern New Mexico, U.S.A.: implications for biostratigraphy and terrestrial ecosystem change during the Late Triassic (Norian-Rhaetian). *Review of Palaeobotany and Palynology*, 225: 106-131.
- Linol, B., de Wit, M.J., Barton, E., de Wit, M(Mike), J.C. & Guillocheau, F. 2016. U-Pb detrital zircon dates and source provenance analysis of Phanerozoic sequences of the Congo Basin, central Gondwana. *Gondwana Research*, 29(1): 208-219.
- Li-Qin Li & Yong-Dong Wang. 2016. Late Triassic palynofloras in the Sichuan Basin, South China: synthesis and perspective. *Palaeoworld*, 25(2): 212-238.
- Liqin Li, Yongdong Wang, Zhaosheng Liu, Ning Zhou & Yan Wang. 2016. Late Triassic palaeoclimate and palaeoecosystem variations inferred by palynological record in the northeastern Sichuan Basin, China. *Paläontologische Zeitschrift*, 90(2): 327-348.
- Liu Dongliang, Li Haibing, Sun Zhiming, Pei Junling, Wang Huan, Pan Jiawei & Wang Meng. 2016. The major magmatic events in the Qimantag Mountain of Tibetan Plateau since Paleozoic and its implications. *Geological Bulletin of China*, 35(12): 2014-2026.
- Liu Jian-feng, Li Jin-yi, Sun Li-xin, Yin Dong-fang & Zheng Pei-xi. 2016. Zircon U-Pb dating of the Jiujingzi ophiolite in Bairin Left Banner, Inner Mongolia: constraints on the formation and evolution of the Xar Moron River suture zone. *Geology in China*, 43(6) 2016: 1947-1962.
- Liu Jinheng, Hu Peiyuan, Li Cai, Xie Chaoming, Fan Jianjun & Yu Yunpeng. 2016. The establishment and significance of the Upper Permian-Lower Triassic Tianquanshan Formation in central Qiangtang, northern Tibet: the constraint on the tectonic evolution of Lungmu Co-Shuanghu-Lancang River area. *Geological Bulletin of China*, 35(5): 667-673.
- Liu Jinlong, Sun Fengyue, Zhang Yajing, Ma Fang, Liu Fengxu & Zeng Le. 2016. Zircon U-Pb geochronology, geochemistry and Hf isotopes of Nankouqian granitic intrusion in Qingyuan region, Liaoning Province. *Earth Science – Journal of China University of Geosciences*, 2016(1): 55-66.
- Liu Mingjie, Liu Zhen, Wang Peng & Pan Gaofeng. 2016. Diagenesis of the Triassic Yanchang Formation tight sandstone reservoir in the Xifeng-Ansai area of Ordos Basin and its porosity evolution. *Acta Geologica Sinica*, 90(3): 956-970.
- Long, J.A., Large, R.R. and 7 others. 2016. Severe selenium depletion in the Phanerozoic oceans as a factor in three global mass extinction events. *Gondwana Research*, 36: 209-218.
- López-Arbarello, A., Bürgin, T., Furrer, H. & Stockar, R. 2016. New holostean fishes (Actinopterygii: Neopterygii) from the Middle Triassic of the Monte San Giorgio (Canton Ticino, Switzerland). *PeerJ* 4: e2234 <https://dx.doi.org/10.7717/peerj.2234>. (61pp).
- Lozovsky, V.R., Balabanov, Yu.P., Karasev, E.V., Novikov, I.V., Ponomarenko, A.G. & Yaroshenko, O.P. 2016. The terminal Permian in European Russia: Vyaznikovian Horizon, Nedubrovo Member, and Permian-Triassic boundary. *Stratigraphy and Geological Correlation*, 24(4): 364-380.
- Lucas, S.G., Rinehart, L.F., Heckert, A.B., Hunt, A.P. & Spielmann, J.A. 2016. Rotten Hill: a Late Triassic bonebed in the Texas Panhandle, USA. *New Mexico Museum of Natural History and Science, Bulletin* 72: 97pp.
- Ma Long, Liu Han, Wu Cheng-shu, Li Zhong-xiong, Li Yong, Wei Hong-wei & Deng Qi. 2016. The age and geological significance of the Shanzixingshan volcanic rocks in Shuanghu of Northern Tibet. *Journal of Stratigraphy*, 40(4): 389-395.
- Ma Yao, Li Wenhui, Liu Zhe, Huang Haiyu, Yang Bo & Xu Xing. 2016. Characteristics of microscopic pore structure in the low permeability sandstone reservoir: a case study of Chang 9 of Yanchang Formation in Zhijing-Ansai area of Ordos Basin. *Geological Bulletin of China*, 35(2): 398-405.
- Ma Zhonghao, Chen Qingshi, Shi Zhongwang, Wang Cheng, Du Wugang & Zhao Changying. 2016. Geochemistry of oil shale from Chang 7 reservoir of Yanchang Formation in south Ordos Basin and its geological significance. *Geological Bulletin of China*, 35(9): 1550-1558.
- Malaza, N., Ken Liu & Baojin Zhao. 2016. Subsidence analysis and burial history of the Late Carboniferous to Early Jurassic Soutpansberg Basin. Limpopo Province, South Africa. *Acta Geologica Sinica*, 90(6): 2000-2007.

- Malyshev, S.V., Khudoley, A.K., Prokopiev, A.V., Ershova, V.B., Kazakova, G.G. & Terentyeva, L.B. 2016. Source rocks of Carboniferous-Cretaceous terrigenous sediments of the northeastern Siberian Platform: results of Sm-Nd isotopic-geochemical studies. *Russian Geology and Geophysics*, 57(3): 421-433.
- Mao Luo, George, A.D. & Zhong-Qiang Chen. 2016. Sedimentology and ichnology of two Lower Triassic sections in South China: implications for the biotic recovery following the end-Permian mass extinction. *Global and Planetary Change*, 144: 198-212.
- Mao Luo, Zhong-Qiang Chen, Shi, G.R., Yuheng Fang, Haijun Song, Zhihai Jia, Yuangeng Huang & Hao Yang, 2016. Upper Lower Triassic stromatolite from Anhui, South China: geobiologic features and paleoenvironmental implications. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 451: 40-54.
- Maodu Yan, Dawen Zhang, Xiaomin Fang, Haidong Ren, Weilin Zhang, Jinbo Zan, Chunhui Song & Tao Zhang, 2016. Paleomagnetic data bearing on the Mesozoic deformation of the Qiangtang Block: implications for the evolution of the Paleo- and Meso-Tethys. *Gondwana Research*, 39: 292-316.
- Marcelino, V.R. & Verbruggen, H. 2016. Multi-marker metabarcoding of coral skeletons reveals a rich microbiome and diverse evolutionary origins of endolithic algae. *Nature Scientific Reports*, 6(31508), doi:10.1038/srep31508. (9pp).
- Marinova, I. & Damyanov, Z. 2016. Plate tectonic aspects of the Triassic carbonate-hosted stratiform-stratabound base-metal deposits in the Western Balkan, NW Bulgaria. *Geologia Croatica*, 69(1): 65-73.
- Marsicano, C.A., Irmis, R.B., Mancuso, A.C., Mundil, R. & Chemale, F. 2016. The precise temporal calibration of dinosaur origins. *PNAS*, 113(3): 509-513.
- Martinelli, A.G., Soares, M.B. & Schoch, R.R. 2016. Owenettids and procolophonids from the lower Keuper shed new light on the diversity of parareptiles in the German Middle Triassic. *Journal of Paleontology*, 90(1): 92-101.
- Martinelli, A.G., Soares, M.B. & Schwanke, C. 2016. Two new cynodonts (Therapsida) from the middle-early Late Triassic of Brazil and comments on South American Probainognathians. *PLoS ONE*, 11(10): e0162945. doi:10.1371/journal.pone.0162945. (43pp).
- Martínez, R.N., Apaldetti, C., Correa, G.A. & Abelín, D. 2016. A Norian lagerpetid dinosauromorph from the Quebrada del Barro Formation, northwestern Argentina. *Ameghiniana*, 53(1): 1-13.
- Matthews, K.J., Maloney, K.T., Zahirovic, S., Williams, S.E., Seton, M. & Müller, R.D. 2016. Global plate boundary evolution and kinematics since the late Paleozoic. *Global and Planetary Change*, 146: 226-250.
- Matysik, M. 2016. Facies types and depositional environments of a morphologically diverse carbonate platform: a case study from the Muschelkalk (Middle Triassic) of Upper Silesia, southern Poland. *Annales Societatis Geologorum Poloniae*, 86(2): 119-164.
- Matysik, M. & Surmik, D. 2016. Depositional conditions of vertebrate remains within the Lower Muschelkalk (Anisian) peritidal carbonates of the "Stare Gliny" quarry near Olkusz (Kraków-Silesia region, southern Poland). *Przegląd Geologiczny*, 64(7): 495-503.
- Maxwell, E.E., Diependaal, H., Winkelhorst, H., Goris, G. & Klein, N. 2016. A new species of *Saurichthys* (Actinopterygii: Saurichthyidae) from the Middle Triassic of Winterswijk, The Netherlands. *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen*, 280(2): 119-134.
- McElwain, J.C., Montañez, J.D., White, J.P. & Yiotis, C. 2016. Was atmospheric CO₂ capped at 1000 ppm over the past 300 million years? *Palaeogeography, Palaeoclimatology, Palaeoecology*, 441: 653-658.
- McLoughlin, S. & Strullu-Derrien, C. 2016. Biota and palaeoenvironment of a high middle-latitude Late Triassic peat-forming ecosystem from Hopen, Svalbard archipelago. *Geological Society, London, Special Publications*, 434: 87-112.
- McPhee, B.W. & Choiniere, J.N. 2016. A hyper-robust sauropod dinosaur ilium from the Upper Triassic-Lower Jurassic Elliot Formation of South Africa: implications for the functional diversity of basal Sauropodomorpha. *Journal of African Earth Sciences*, 123: 177-184.
- Mears, E.M., Rossi, V. and 9 others. 2016. The Rhaetian (Late Triassic) vertebrates of Hampstead Farm Quarry, Gloucestershire, UK. *Proceedings of the Geologists' Association*, 127(4): 478-505.
- Meier, T., Soomro, R.A., Viereck, L., Lebedev, S., Behrmann, J.H., Weidle, C., Cristiano, L. & Hanemann, R. 2016. Mesozoic and Cenozoic evolution of the Central European lithosphere. *Tectonophysics*, 692(A): 58-73.
- Meijia Song, Liangshu Shu & Santosh, M. 2016. Early Mesozoic granites in the Nanling Belt, South China: implications for intracontinental tectonics associated with stress regime transformation. *Tectonophysics*, 676: 148-169.
- Meng Duan, Yaoling Niu, Juanjuan Kong, Pu Sun, Yan Hu, Yu Zhang, Shuo Chen & Jiyong Li. 2016. Zircon U-Pb geochronology, Sr-Nd-Hf isotopic composition and geological significance of the Late Triassic Baijiazhuang and Lvjing granitic plutons in West Qinling Orogen. *Lithos*, 260: 443-456.
- Meng Hao, Zhong Da-kang, Li Zhuo-pei, Liu Yun-long, Zhao Jing & Yang Yue-dong. 2016. Sequence stratigraphy and sedimentary facies of the Fifth Member of the Upper Triassic Xujiahe Formation of the middle part of the West Sichuan Depression, South China. *Journal of Stratigraphy*, 40(3): 278-289.
- Mette, W., Thibault, N., Krystyn, L., Korte, C., Clémence, M.-E., Ruhl, M., Rizzi, M. & Ullmann, C.V. 2016. Rhaetian (Late Triassic) biotic and carbon isotope events and intraplatform basin development in the Northern Calcareous Alps, Tyrol, Austria. *GeoAlp*, 13: 233-256.
- Midoun, M. & Seddiki, A. 2016. The mafic, ultramafic and metamorphic xenoliths in Triassic evaporite complexes, northwest Algeria. *Boletín Geológico y Minero*, 127(2-3): 333-344.
- Midwinter, D., Hadlari, T., Davis, W.J., Dewing, K. & Arnott, R.W.C. 2016. Dual provenance signatures of the Triassic northern Laurentian margin from detrital-zircon U-Pb

- and Hf-isotope analysis of the Triassic–Jurassic strata in the Sverdrup Basin. *Lithosphere*, 8(6): 668–683.
- Miklavc, P., Celarc, B. & Šmuc, A. 2016. Anisian Strelövec Formation in the Robanov kot, Savinja Alps (northern Slovenia). *Geologija*, 59(1): 23–34.
- Milidragovich, D., Chapman, J.B., Bichlmaier, S., Canil, D. & Zagorevski, A. 2016. H_2O -driven generation of picritic melts in the Middle to Late Triassic Stuhini arc of the Stikine terrane, British Columbia, Canada. *Earth and Planetary Science Letters*, 454: 65–77.
- Mills, B.J.W., Belcher, C.M., Lenton, T.M. & Newton, R.J. 2016. A modelling case for high atmospheric oxygen concentrations during the Mesozoic and Cenozoic. *Geology*, 44(12): 1023–1026.
- Milner, A.C. & Barrett, P.M. 2016. Smith Woodward's contributions on fossil tetrapods. Geological Society, London, Special Publications, 430: 289–309.
- Min Zeng, Xiang Zhang, Hui Cao, Ettensohn, F.R., Wenbin Cheng & Xinghai Lang. 2016. Late Triassic initial subduction of the Bangong–Nujiang Ocean beneath Qiangtang revealed: stratigraphic and geochronological evidence from Gaize, Tibet. *Basin Research*, 28(1): 147–157.
- MingGuo Zhai, YanBin Zhang and 7 others. 2016. Renewed profile of the Mesozoic magmatism in Korean Peninsula: regional correlation and broader implication for cratonic destruction in the North China Craton. *SCIENCE CHINA Earth Sciences*, 59(12): 2355–2388.
- Mingli Wan., Weiming Zhou, Peng Tang, Lujun Liu & Jun Wang. 2016. *Xenoxylon junggarensis* sp. nov., a new gymnospermous fossil wood from the Norian (Triassic) Huangshanjie Formation in northwestern China, and its palaeoclimatic implications. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 441: 679–687.
- Mingshuai Zhu, Fochin Zhang, Laicheng Miao, Bataar, M., Anaad, C., Shunhu Yang & Xingbo Li. 2016. Geochronology and geochemistry of the Triassic bimodal volcanic rocks and coeval A-type granites of the Olzit area, Middle Mongolia: implications for the tectonic evolution of Mongol–Okhotsk Ocean. *Journal of Asian Earth Sciences*, 122: 41–57.
- Mingsong Li, Chunju Huang, Hinnov, L., Ogg, J., Zhong-qiang Chen & Yang Zhang. 2016. Obliquity-forced climate during the Early Triassic hothouse in China. *Geology*, 44(8): 623–626.
- Mingsong Li, Ogg, J., Yang Zhang, Chunju Huang, Hinnov, L., Zhong-Qiang Chen & Zhuoyan Zou. 2016. Astronomical tuning of the end-Permian extinction and the Early Triassic Epoch of South China and Germany. *Earth and Planetary Science Letters*, 441: 10–25.
- Mogucheva, N.K. 2016. Flora from the Induan stage (Lower Triassic) of Middle Siberia. *Stratigraphy and Geological Correlation*, 24(3): 252–266.
- Mohamed, K.R., Joeharry, N.A.M., Leman, M.S. & Ali, C.A. 2016. The Gua Musang Group: a newly proposed stratigraphic unit for the Permo-Triassic sequence of Northern Central Belt, Peninsular Malaysia. *Bulletin of the Geological Society of Malaysia*, 62: 131–142.
- Mohammedyasin, S.M., Lippard, S.J., Omosanya, K.O., Johansen, S.E. & Harishidayat, D. 2016. Deep-seated faults and hydrocarbon leakage in the Snøhvit Gas Field, Hammerfest Basin, southwestern Barents Sea. *Marine and Petroleum Geology*, 77: 160–178.
- Mondal, S. & Harries, P.J. 2016. Phanerozoic trends in ecospace utilization: the bivalve perspective. *Earth-Science Reviews*, 152: 106–118.
- Mondal, S. & Harries, P.J. 2016. The effect of taxonomic corrections on Phanerozoic generic richness trends in marine bivalves with a discussion on the clade's overall history. *Paleobiology*, 42(1): 157–171.
- Monti, M. & Franzese, J.R. 2016. Tectonostratigraphic analysis of the Puesto Viejo Group (San Rafael, Argentina): evolution of a Triassic continental rift. *Latin American Journal of Sedimentology and Basin Analysis*, 23(1): 1–33.
- Morton, A., Knox, R. & Frei, D. 2016. Heavy mineral and zircon age constraints on provenance of the Sherwood Sandstone Group (Triassic) in the eastern Wessex Basin, UK. *Proceedings of the Geologists' Association*, 127(4): 514–526.
- Moss, D.K., Ivany, L.C., Judd, E.J., Cummings, P.W., Bearden, C.E., Woo-Jun Kim, Artruc, E.G. & Driscoll, J.R. 2016. Lifespan, growth rate and body size across latitude in marine Bivalvia, with implications for Phanerozoic evolution. *Proceedings of the Royal Society of London, B*, 283(1836): 20161364; DOI: 10.1098/rspb.2016.1364. (7pp).
- Mouro, L.D., Zatoń, M., Fernandes, A.C.S. & Waichel, B.L. 2016. Laval cases of caddisfly (Insecta: Trichoptera) affinity in Early Permian marine environments of Gondwana. *Nature Scientific Reports*, 6(19215), doi:10.1038/srep19215. (7pp).
- Moustafa, M.S.H., Pope, M.C., Grossman, E.L. & Mriheel, I.Y. 2016. Carbon and oxygen isotope variations of the Middle–Late Triassic Al Aziziyah Formation, northwest Libya. *Journal of African Earth Sciences*, 118: 149–162.
- Mueller, S., Hounslow, M.W. & Kürschner, W.M. 2016. Integrated stratigraphy and palaeoclimate history of the Carnian Pluvial Event in the Boreal Realm: new data from the Upper Triassic Kapp Toscana Group in central Spitsbergen (Norway). *Journal of the Geological Society, London*, 173(1): 186–202.
- Mueller, S., Krystyn, L. & Kürschner, W.M. 2016. Climate variability during the Carnian Pluvial Phase – a quantitative palynological study of the Carnian sedimentary succession at Lunz am See, Northern Calcareous Alps, Austria. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 441: 198–211.
- Mujal, E., Gretter, N. and 11 others. 2016. Constraining the Permian–Triassic transition in continental environments: stratigraphic and paleontological record from the Catalan Pyrenees (NE Iberian Peninsula). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 445: 18–37.
- Mujal, E., Gretter, N. and 11 others. 2016. Insights into the Permian/Triassic transition in Western Tethys: new stratigraphic and paleontological data from the Catalan Pyrenees (NE Iberian Peninsula). *Permophiles*, 63: 21–27.
- Müller, R.D., Seton, M. and 10 others. 2016. Ocean basin evolution and global-scale plate reorganization events since Pangea breakup. *Annual Review of Earth and Planetary*

- Sciences, 44: 107-138.
- Müller, R.T., Langer, M.C., Furtado Cabreira, S. & Dias-da-Silva, S. 2016. The femoral anatomy of *Pampadromaeus barberenai* based on a new specimen from the Upper Triassic of Brazil. Historical Biology, 28(5): 656-665.
- Murillo, W.A., Veith-Hillebrand, A., Horsfield, B. & Wilkes, H. 2016. Petroleum source, maturity and mixing in the southwestern Barents Sea: new insights from geochemical and isotope data. Marine and Petroleum Geology, 70: 119-143.
- Mustoe, G. & Acosta, M. 2016. Origin of petrified wood color. Geosciences, 6(2); doi:10.3390/geosciences6020025 (24pp.).
- Naeser, C.W., Naeser, N.D., Newell, W.L., Southworth, S., Edwards, L.E. & Weems, R.E. 2016. Erosional and depositional history of the Atlantic Passive Margin as recorded in detrital zircon fission-track ages and lithic detritus in Atlantic coastal plain sediments. American Journal of Science, 316(2): 110-168.
- Nagy, J. 2016. A sequence stratigraphic model of benthic foraminiferal facies trends with Triassic and Jurassic examples. Marine Micropaleontology, 122: 99-114.
- Nak Kyu Kim & Sung Hi Choi. 2016. Petrogenesis of Late Triassic ultramafic rocks from the Andong Ultramafic Complex, South Korea. Lithos, 264: 28-40.
- Natal'in, B.A., Sunal, G., Gün, E., Bo Wang & Yang Zhiqing. 2016. Precambrian to Early Cretaceous rocks of the Strandja Massif (northwestern Turkey): evolution of a long-lasting magmatic arc. Canadian Journal of Earth Sciences, 53(11): 1312-1335.
- Ndiaye, M., Ngom, P.M., Gorin, G., Villeneuve, M., Sartori, M. & Medou, J. 2016. A new interpretation of the deep-part of Senegal-Mauritanian Basin in the Diourbel-Thies area by integrating seismic, magnetic, gravimetric and borehole data: implication for petroleum exploration. African Journal of Earth Sciences, 121: 330-341.
- Nemčok, M., Rybár, S., Ekkertová, P., Kotulová, J., Hermeston, S.A. & Jones, D. 2016. Transform-margin model of hydrocarbon migration: the Guyana-Suriname case study. Geological Society, London, Special Publications, 431: 199-217.
- Nemčok, M., Rybár, S. and 11 others. 2016. Development history of the southern terminus of the Central Atlantic; Guyana-Suriname case study. Geological Society, London, Special Publications, 431: 145-178.
- Newell, A.J. & Sharatiipour, S.M. 2016. Linking outcrop analogue with flow simulation to reduce uncertainty in sub-surface carbon capture and storage: an example from the Sherwood Sandstone Group of the Wessex Basin, UK. Geological Society, London, Special Publications, 436: 231-246.
- Niedźwiedzki, G., Badjek, P., Owocki, K. & Kear, B.P. 2016. An early Triassic polar predator ecosystem revealed by vertebrate coprolites from the Bulgo Sandstone (Sydney Basin) of southeastern Australia. Palaeogeography, Palaeoclimatology, Palaeoecology, 464: 5-15.
- Niedźwiedzki, G., Badjek, P., Qvarnström, M., Sulej, T., Sennikov, A.G. & Golubev, V.K. 2016. Reduction of vertebrate coprolite diversity associated with the end-Permian extinction event in Vyazniki region, European Russia. Palaeogeography, Palaeoclimatology, Palaeoecology, 449: 77-90.
- Niedźwiedzki, G., Sennikov, A. & Brusatte, S.L. 2016. The osteology and systematic position of *Dongusuchus efremovi* Sennikov, 1988 from the Anisian (Middle Triassic) of Russia. Historical Biology, 28(4): 550-570.
- Ning Tian, Yongdong Wang, Phillippe, M., Liqin Li, Xiaoping Xie & Zikun Jiang. 2016. New record of fossil wood *Xenoxyylon* from the Late Triassic in the Sichuan Basin, southern China and its paleoclimatic implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 464: 65-75.
- Niu Haiping, Li Yongjun, Liu Yunhua, Du Yuliang, Hu Xiaolong & Zhao Renfu. 2016. "Open-Close" evolution and Triassic Tethyan-type sedimentation in Qinling orogenic belt. Northwestern Geology, 48(3)2016: 1-12.
- Nordt, L., Tubbs, J. & Dworkin, S. 2016. Stable carbon isotope record of terrestrial organic materials for the last 450 Ma yr. Earth-Science Reviews, 159: 103-117.
- Novikov, I.V. 2016. New temnospondyl amphibians from the basal Triassic of the Obshchii Syrt Highland, eastern Europe. Paleontological Journal, 50(3): 297-310.
- Nu Guangzhi, Tao Wei, Liang Wentian, Li Yang & Ran Yazhou. 2016. Magnetic mineralogy and fabric reliability constraints of Late Triassic Yanzhiba pluton in South Qinling Mountain. Geological Bulletin of China, 35(9): 1522-1528.
- Ogg, J.G., Ogg, G.M. & Gradstein, F.M. 2016. A Concise Geologic Time Scale 2016. Elsevier, 234pp.
- Oghenekome, M.E., Chatterjee, T.K., Hammond, N.Q. & van Bever Donker, J.M. 2016. Provenance study from petrography of the late Permian – Early Triassic sandstones of the Balfour Formation Karoo Supergroup, South Africa. Journal of African Earth Sciences, 114: 125-132.
- Oh, C., Park, T.-Y.S., Woo, J., Bomfleur, B., Phillippe, M., Decombeix, A.-L., Kim, Y.-H.G. & Lee, J.I. 2016. Triassic *Kykloxyylon* wood (Umkomasiaceae, Gymnospermopsida) from Skinner Ridge, northern Victoria Land, East Antarctica. Review of Palaeobotany and Palynology, 233: 104-114.
- Olierook, H.K.H. & Timms, N.E. 2016. Quantifying multiple Permian-Recent exhumation events during the break-up of eastern Gondwana: sonic transit time analysis of the central and southern Perth Basin. Basin Research, 28(6): 796-826.
- Oliva-Urcia, B., Casas, A.M., Moussaid, B., Villalaín, J.J., El Ouardi, H., Sato, R., Torres-López, S. & Román-Berdiel, T. 2016. Tectonic fabrics vs mineralogical artefacts in AMS analysis: a case study of the Western Morocco extensional Triassic basins. Journal of Geodynamics, 94-95: 13-33.
- Olivarius, M. & Nielsen, L.H. 2016. Triassic paleogeography of the greater eastern Norwegian-Danish Basin: constraints from provenance analysis of the Skagerrak Formation. Marine and Petroleum Geology, 69: 168-182.
- Olivier, N., Brayard, A., Vennin, E., Escarguel, G., Fara, E., Bylund, K.G., Jenks, J.F. & Caravaca, G. 2016. Evolution of depositional settings in the Torrey area during the Smithian (Early Triassic, Utah, USA) and their significance for the biotic recovery. Geological Journal, 51(4): 600-626.
- O'Meara, R.N. & Asher, R.J. 2016. The evolution of growth patterns in mammalian versus nonmammalian cynodonts.

- Paleobiology, 42(3): 439-464.
- Omarini, R.H., Gasparon, M., De Min, A. & Comin-Chiaromont, P. 2016. An overview of the Mesozoic-Cenozoic magmatism and tectonics in Eastern Paraguay and central Andes (Western Gondwana): implications for the composition of mantle sources. *Journal of South American Earth Sciences*, 72: 302-314.
- Onoue, T., Sato, H., Yamashita, D., Ikehara, M., Yasukawa, K., Fujinaga, K., Kato, Y. & Matsuoka, A. 2016. Bolide impact triggered the Late Triassic extinction event in equatorial Panthalassa. *Nature Scientific Reports*, 6(29609), doi:10.1038/srep29609. (8pp).
- Onoue, T., Zonneveld, J.-P., Orchard, M.J., Yamashita, M., Yamashita, K., Sato, H. & Kusaka, S. 2016. Paleoenvironmental changes across the Carnian/Norian boundary in the Black Bear Ridge section, British Columbia, Canada. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 441: 721-733.
- Ortega-Flores, B., Solari, L.A. & de Jesús Escalona-Alcázar, F. 2016. The Mesozoic successions of western Sierra de Zacatecas, Central Mexico: provenance and tectonic implications. *Geological Magazine*, 53(4): 696-717.
- Paes Neto, V.D., Parkinson, A.H., Pretto, F.A., Soares, M.B., Schwanke, C., Schultz, C.L. & Kellner, A.W. 2016. Oldest evidence of osteophagous behaviour by insects from the Triassic of Brazil. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 453: 30-41.
- Pan Lei, Shen Ji-shan & Hao Jing-yu. 2016. Provenance types and controlling factors of the 4th member of the Xujiahe Formation in the Yuanba-Tongnanba area, northeastern Sichuan. *Sedimentary Geology and Tethyan Geology*, 36(2016:1): 104-108.
- Pángaro, F., Ramos, V.A. & Pazos, P.J. 2016. The Hesperides basin: a continental-scale Upper Palaeozoic to Triassic basin in southern Gondwana. *Basin Research*, 28(5): 685-711.
- Paris, G., Donnadieu, Y., Beaumont, V., Fluteau, F. & Goddérat, Y. 2016. Geochemical consequences of intense pulse-like degassing during the onset of the Central Atlantic Magmatic Province. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 441: 74-82.
- Parker, W.G. 2016. Revised phylogenetic analysis of the Aetosauria (Archosauria: Pseudosuchia); assessing the effects of incongruent morphological character sets. *PeerJ* 4: e1583 https://doi.org/10.7717/peerj.1583.
- Parker, W.G. 2016. Osteology of the Late Triassic aetosaur *Scutarcyltatylus* (Archosauria: Pseudosuchia). *PeerJ* 4: e2411 https://doi.org/10.7717/peerj.2411.
- Parveen, S. & Bhowmik, N. 2016. *Nidpuria falcatum* sp. nov. and associated vegetative shoots from the Triassic of Nidpur, Madhya Pradesh, India. *Review of Palaeobotany and Palynology*, 224(2): 169-180.
- Paterson, N.W., Mangerud, G., Cetean, C.G., Mørk, A., Lord, G.S., Klausen, T.G. & Mørkved, P.T. 2016. A multidisciplinary biofacies characterisation of the Late Triassic (late Carnian-Rhaetian) Kapp Toscana Group on Hopen, Arctic Norway. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 464: 16-42.
- Patruno, S. & Reid, W. 2016. New plays on the Greater East Shetland Platform (UKCS Quadrants 3, 8-9, 14-16) – part 1: regional setting and a working petroleum system. *First Break*, 34(12): 33-43.
- Pattemore, G.A. 2016. The structure of umkomasiacean fructifications from the Triassic of Queensland. *Acta Palaeobotanica*, 56(1): 17-40.
- Pattemore, G.A. 2016. Megaflora of the Australian Triassic-Jurassic: a taxonomic revision. *Acta Palaeobotanica*, 56(2): 121-182.
- Pavanatto, A.E.B., Müller, R.T., Stock Da-Rosa, A.A. & Dias-da-Silva, S. 2016. New information on the postcranial skeleton of *Massetognathus ochagaviae* Barberena, 1981 (Eucynodontia, Traversodontidae), from the Middle Triassic of southern Brazil. *Historical Biology*, 28(7): 978-989.
- Payne, J.L., Bush, A.M., Chang, E.T., Heim, N.A., Knopf, M.L. & Pruss, S.B. 2016. Extinction intensity, selectivity and their combined macroevolutionary influence in the fossil record. *Biology Letters*, 12(9): 20160202. DOI: 10.1098/rsbl.2016.0202. (5pp).
- Peng ChengMing, Wang Gang, Chen YuanLin, Li ZhengYou, Xue LingWen, Yang Hui, Lu YingHui & Hou Yun. 2016. Triassic paleocurrent study in the middle-northern part of the Nanpanjiang deep basin. *Acta Sedimentologica Sinica*, 34(6): 1120-1132.
- Peng Guo, Wen-Liang Xu, Jie-Jiang Yu, Feng Wang, Jie Tang & Yu Li. 2016. Geochronology and geochemistry of Late Triassic bimodal igneous rocks at the eastern margin of the Songnen-Zhangguangcai Range massif, northeast China: petrogenesis and tectonic implications. *International Geology Review*, 58(2): 196-215.
- Peng Zhijun, Wu Pandeng, Liu Songbai & Zhang Peng. 2016. An analysis of sediments characteristics of Early-Middle Triassic Longwuhe Formation of Guomaying area in Guinan County, Qinghai Province. *Geological Bulletin of China*, 35(9): 1506-1511.
- Pereira, M.F., Gama, C., Chichorro, M., Silva, J.B., Gutiérrez-Alonso, G., Hofmann, M., Linnemann, U. & Gärtner, A. 2016. Evidence for multi-cycle sedimentation and provenance constraints from detrital zircon U-Pb ages: Triassic strata of the Lusitanian basin, western Iberia. *Tectonophysics*, 681: 318-331.
- Pereira, Z., Fernandes, P., Lopes, G., Marques, J. & Vasconcelos, L. 2016. The Permian-Triassic transition in the Moatize-Minjova Basin, Karoo Supergroup, Mozambique: a palynological perspective. *Review of Palaeobotany and Palynology*, 226: 1-19.
- Perotti, C., Chiariotti, L., Bresciani, I., Cattaneo, L. & Toscani, G. 2016. Evolution and timing of salt diapirism in the Iranian sector of the Persian Gulf. *Tectonophysics*, 679: 180-198.
- Petsios, E. & Bottjer, D.J. 2016. Quantitative analysis of the ecological dominance of benthic disaster taxa in the aftermath of the end-Permian mass extinction. *Paleobiology*, 42(3): 380-393.
- Peterffy, O., Calner, M. & Vajda, V. 2016. Early Jurassic microbial mats—a potential response to reduced biotic activity in the aftermath of the end-Triassic mass extinction event. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 464:

- 76-85.
- Peybernes, C., Chablais, J., Onoue, T., Escarguel, G. & Martini, R. 2016. Paleoecology, biogeography, and evolution of reef ecosystems in the Panthalassa Ocean during the Late Triassic: insights from reef limestone of the Sambosan Accretionary Complex, Shikoku, Japan. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 457: 31-51.
- Peybernes, C., Chablais, J., Onoue, T. & Martini, R. 2016. Mid-oceanic shallow-water carbonates of the Panthalassa domain: new microfacies data from the Sambosan Accretionary Complex, Shikoku Island, Japan. *Facies*, 62(4): DOI 10.1007/s10347-016-0475-7. (27pp).
- Peyravi, M., Rahimpour-Bonab, H., Nader, F.H. & Kamali, M.R. 2016. Chemo-stratigraphy as a tool for sequence stratigraphy of the Early Triassic Kangan Formation, north of the Persian Gulf. *Carbonates and Evaporites*, 31(2): 163-178.
- Peyre de Fabrègues, C. & Allain, R. 2016. New material and revision of *Melanorosaurus thabanensis*, a basal sauropodomorph from the Upper Triassic of Lesotho. *PeerJ* 4: e1639 <https://doi.org/10.7717/peerj.1639>.
- Pieroni, V. 2016. Turriculate gastropods (Coelostylinidae) from the Esino limestone outcrop (Ladinian, Lombardy) of the Stoppani Collection housed at the Museo Civico di Storia Naturale, Milan (Italy). *Natural History Sciences*, 3(2): 41-49.
- Pietsch, C., Petsios, E. & Bottjer, J. 2016. Sudden and extreme hypothermals, low-oxygen, and sediment influx drove community phase shifts following the end-Permian mass extinction. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 451: 183-196.
- Pietsch, J.S., Wetzel, A. & Jordan, P. 2016. A new lithostratigraphic scheme for the Schinznach Formation (upper part of the Muschelkalk Group of northern Switzerland). *Swiss Journal of Geosciences*, 109(2): 285-307.
- Pillai, S.S.K., Meena, K.L., Tewari, R. & Joshi, R. 2016. Early Triassic palynomorphs from Kuraloi Block, Belphar area, Ib-River coalfield, Mahanadi basin, Odisha. *Journal of the Geological Society of India*, 88(6): 693-704.
- Pinheiro, F.L. 2016. A fragmentary dinosaur femur and the presence of Neotheropoda in the Upper Triassic of Brazil. *Revista Brasileira de Paleontologia*, 19(2): 211-216.
- Pinheiro, F.L., França, M.A.G., Lacerda, M.B., Butler, R.J. & Schultz, C.L. 2016. An exceptional fossil skull from South America and the origins of the archosauriform radiation. *Nature Scientific Reports*, 6(22817), doi:10.1038/srep22817. (7pp).
- Plasencia, P., Márquez-Aliaga, A., Pérez-Valera, J.A., Baud, A., Sudar, M., Kılıç, A.-M. & Hirsch, F. 2016. Comments on: A review of the evolution, biostratigraphy, provincialism and diversity of Middle and early Late Triassic conodonts. *Papers in Palaeontology*, 2(3): 451-456.
- Pole, M., Yongdong Wang, Bugdaeva, E.V., Chong Dong, Ning Tian, Liqin Li & Ning Zhou. 2016. The rise and demise of *Podozamites* in east Asia—an extinct conifer life style. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 464: 97-109.
- Polozov, A.G., Svensen, H.H., Planke, S., Grishina, S.N., Fristad, K.E. & Jerram, D.A. 2016. The basalt pipes of the Tunguska Basin (Siberia, Russia): high temperature processes and volatile degassing into the end-Permian atmosphere. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 441: 51-64.
- Polufuntikova, L.I. & Fridovsky, V.Yu. 2016. Lithological features, reconstruction of redox setting, and composition of the provenances of the Upper Triassic Kular-Nera shale belt. *Russian Journal of Pacific Geology*, 10(3): 218-229.
- Ponomarenko, A.G. 2016. Insects during the time around the Permian-Triassic crisis. *Paleontological Journal*, 50(2): 174-186.
- Ponomarenko, A.G. 2016. New beetles (Insecta: Coleoptera) from the Lower Triassic of European Russia. *Paleontological Journal*, 50(3): 286-292.
- Posenato, R. 2016. Systematics of lingulide brachiopods from the end-Permian mass extinction interval. *Revista Italiana di Paleontologia e Stratigrafia*, 122(2): 85-108.
- Pott, C. 2016. *Westerheimia pramelreuthensis* from the Carnian (Upper Triassic) of Lunz, Austria: more evidence for a unitigmic seed coat in early Bennettitales. *International Journal of Plant Sciences*, 17(9): 771-791.
- Pott, C., Schmeißner, S., Dütsch, G. & Van Konijnenburg-van-Cittert, J.H.A. 2016. Bennettitales in the Rhaetian flora of Wüstenwelsberg, Bavaria, Germany. *Review of Palaeobotany and Palynology*, 232: 98-118.
- Pott, C., van der Burgh, J. & van Konijnenburg-van-Cittert, J.H.A. 2016. New ginkgophytes from the Upper Triassic-Lower Cretaceous of Spitsbergen and Edgeøya (Svalbard, Arctic Norway): the history of Ginkgoales on Svalbard. *International Journal of Plant Sciences*, 17(2): 175-197.
- Powell, J.H., Stephenson, M.H., Nicora, A., Rettori, R., Borlenghi, L.M. & Perri, M.C. 2016. The Permian-Triassic boundary, Dead Sea, Jordan: transitional alluvial to marine depositional sequences and biostratigraphy. *Rivista Italiana di Paleontologia e Stratigrafia*, 122(3): 23-40.
- Pretto, F.A., Veiga, F.H., Langer, M.C. & Schultz, C.L. 2016. A juvenile sauropodomorph tibia from the 'Botucará Hill', Late Triassic of southern Brazil. *Revista Brasileira de Paleontologia*, 19(3): 407-414.
- Previtera, E., Mancuso, A.C., de la Fuente, M.S. & Sánchez, E.S. 2016. Diagenetic analysis of tetrapod from the Upper Triassic, Puesto Viejo Group, Argentina. *Andean Geology*, 43(2): 197-214.
- Pritchard, A.C., Turner, A.H., Irmis, R.B., Nesbitt, S.J. & Smith, N.D. 2016. Extreme modification of the tetrapod forelimb in a Triassic diapsid reptile. *Current Biology*, 26(20): 2779-2786; dx.doi.org/10.1016/j.cub.2016.07.084.
- Qianhong Wu, Jingya Cao, Hua Kong, Yongjun Shao, Huan Li, Xiaoshuang Xi & Xuantong Deng. 2016. Petrogenesis and tectonic setting of the early Mesozoic Xitian granitic pluton in the middle Qin-Hang Belt, South China: constraints from zircon U-Pb ages and bulk-rock trace element and Sr-Nd-Pb isotopic compositions. *Journal of Asian Earth Sciences*, 128: 130-148.
- Qinghai Xu, Wanzhong Shi, Xiangyang Xie, Manger, W., McGuire, P., Xiaoming Zhang, Ren Wang & Zhuang Wu. 2016. Deep-lacustrine sandy debrites and turbidites in the lower Triassic Yanchang Formation, southeast Ordos Basin,

- central China: facies distribution and reservoir quality. *Marine and Petroleum Geology*, 77: 1095-1107.
- Qiu Xincheng, Tong Jinnan, Tian Li, Chu Daoliang, Song Ting & Li Dongdong. 2016. The biostratigraphic correlation of the Permian-Triassic boundary in Jinzhong section, Weining, Guizhou, South China. *Earth Science – Journal of China University of Geosciences*, 2016(10): 1709-1722.
- Quan-Feng Zheng, Chang-Qun Cao, Yue Wang, Hua Zhang & Yi Ding. 2016. Microbialite concretions in a dolostone crust at the Permian-Triassic boundary of the Xishan section in Jiangsu Province, South China. *Palaeoworld*, 25(2): 188-198.
- Qvarnström, M., Niedzwiedzki, G. & Žigaitė, Ž. 2016. Vertebrate coprolites (fossil faeces): an underexplored *Konservat-Lagerstätte*. *Earth-Science Reviews*, 162: 44-57.
- Radley, J.D. & Coram, R.A. 2016. The Chester Formation (Early Triassic, southern Britain): sedimentary response to extreme greenhouse climate? *Proceedings of the Geologists' Association*, 127(5): 552-557.
- Rahimi, A., Adabi, M.H., Aghanabati, A., Majidifard, M.R. & Jamali, A.M. 2016. Dolomitization mechanism based on petrography and geochemistry in the Shotori Formation (Middle Triassic), central Iran. *Open Journal of Geology*, 6(9): 1149-1168.
- Ran Ye, Wang GuiWen, Lai Jin, Zhou ZhengLong, Cui YuFeng, Dai QuanQi, Chen Jing & Wang ShuChen. 2016. Quantitative characterization of diagenetic facies of tight sandstone oil reservoir by using logging crossplot: a case study on Chang 7 tight sandstone oil reservoir in Huachi area, Ordos Basin. *Acta Sedimentologica Sinica*, 34(4): 694-706.
- Ran Ye, Wang Gui-wen, Zhou Zheng-long, Lai Jin, Dai Quan-qí, Chen Jing, Fan Xu-qiang & Wang Shu-chen. 2016. Identification of lithology and lithofacies type and its application to Chang 7 tight oil in Heshui area, Ordos Basin. *Geology in China*, 43(4): 1331-1340.
- Reichow, M.K., Saunders, A.D., Scott, R.A., Millar, I.L., Barfod, D., Pringle, M.S., Rogers, N.W. & Hammond, S. 2016. Petrogenesis and timing of mafic magmatism, South Taimyr, Arctic Siberia: a northerly continuation of the Siberian Traps? *Lithos*, 248-251: 382-401.
- Reinhold, K. & Hammer, J. 2016. Steinsalzlager in den salinaren Formationen Deutschlands. *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*, 167: 167-190.
- Ren Dazhong, Sun Wei, Huang Hai, Liu Dongke, QXuefeng & Lei Qihong. 2016. Formation mechanism of Chang 6 tight sandstone reservoir in Jiyuan oilfield, Ordos Basin. *Earth Science – Journal of China University of Geosciences*, 2016(10): 1735-1744.
- Ren Haidong, Wang Tao, Zhang Lei, Wang Xiaoxia, Huang He, Feng Chengyou, Teschner, C. & Song Peng. 2016. Ages, sources and tectonic settings of the Triassic igneous rocks in the easternmost segment of the East Kunlun Orogen, central China. *Acta Geologica Sinica*, 90(2): 641-668.
- Renchao Yang, van Loon, A.J., Wei Yin, Aiping Fan & Zuozhen Han. 2016. Soft-sediment deformation structures in cores from lacustrine slurry deposits of the Late Triassic Yanchang Fm. (central China). *Geologos*, 22(3): 201-211.
- Rey, K., Amiot, R. and 12 others. 2016. Global climate perturbations during the Permian-Triassic mass extinctions recorded by continental tetrapods from South Africa. *Gondwana Research*, 37: 384-396.
- Rigaud, S., Vachard, D., Schlagintweit, F. & Martini, R. 2016. New lineage of Triassic aragonitic foraminifera and reassessment of the class Nodosariata. *Journal of Systematic Palaeontology*, 14(11): 919-938.
- Rigo, M., Bertinelli, A. and 10 others. 2016. The Pignola-Abriola section (southern Apennines, Italy): a new GSSP candidate for the base of the Rhaetian Stage. *Lethaia*, 49(3): 287-306.
- Rinehart, L.F. & Lucas, S.G. 2016. *Eocyclotosaurus appetolatus*, a Middle Triassic amphibian: osteology, life history, and paleobiology. *New Mexico Museum of Natural History and Science, Bulletin* 70: 118pp.
- Robertson, A.H.F., Parlak, O., Yildirim, N., Dumitrica, P. & Tasli, K. 2016. Late Triassic rifting and Jurassic-Cretaceous passive margin development of the southern Neotethys: evidence from the Adiyaman area, SE Turkey. *International Journal of Earth Sciences*, 105(1): 167-201.
- Romano, C., Koot, M.B., Kogan, I., Brayard, A., Minikh, A.V., Brinkmann, W., Bucher, H. & Kriwet, J. 2016. Permian-Triassic Osteichthyes (bony fishes): diversity dynamics and body size evolution. *Biological Reviews*, 91(1): 106-147.
- Romano, C., Ware, D., Brühwiler, T., Bucher, H. & Brinkmann, W. 2016. Marine Early Triassic Osteichthyes from Spiti, Indian Himalayas. *Swiss Journal of Palaeontology*, 135(2): 275-294.
- Romero-Sarmiento, M.-F., Euzen, T., Rohais, S., Chunqing Jiang & Littke, R. 2016. Artificial thermal maturation of source rocks at different thermal maturity levels: application to the Triassic Montney and Doig formations in the Western Canada Sedimentary Basin. *Organic Geochemistry*, 97: 148-162.
- Ruffell, A., Simms, M.J. & Wignall, P.B. 2016. The Carnian Humid Episode of the Late Triassic – a review. *Geological Magazine*, 153(Special Issue 2): 271-284.
- Saberzadeh, B., Rashidi, K. & Vahidinia, M. 2016. Upper Triassic foraminifera from Howz-e Khan member of Nayband Formation in central Iran (south of Naybandan). *Geosciences*, 25(98): 283-301. (Geological Survey of Iran: ISSN 1023-7429)
- Sack, P.J., Berry, R.F., Gemmell, J.B., Meffre, S. & West, A. 2016. U-Pb zircon geochronology from the Alexander terrane, southeast Alaska: implications for the Greens Creek massive sulphide deposit. *Canadian Journal of Earth Sciences*, 53(12): 1458-1475.
- Sadovnikov, G.N. 2016. Evolution of the biome of the Middle Siberian Trappean Plateau. *Paleontological Journal*, 50(5): 518-532.
- Sagar, M.W., Palin, J.M., Tulloch, A.J. & Heath, L.A. 2016. The geology, geochronology and affiliation of the Glenroy Complex and adjacent plutonic rocks, southeast Nelson, New Zealand. *Journal of Geology and Geophysics*, 59(1): 213-235.
- Saito, R., Kaiho, K. and 7 others. 2016. Secular changes in environmental stresses and eukaryotes during the Early Triassic to the early Middle Triassic. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 451: 35-45.
- Salah, I., Jemail, M., Karoui-Yaakoub, N., Sdiri, A., Ayed, N.

- & Bougdiri, M. 2016. Properties of Debadid evaporates (northern Tunisia) for potential use in industrial fields. *Open Journal of Geology*, 6(12): 1525-1538.
- Sánchez-Beristain, F. & Reitner, J. 2016. Palaeoecology of new fossil associations from the Cipit boulders, St. Cassian Formation (Ladinian–Carnian, Middle–Upper Triassic; Dolomites, NE Italy). *Paläontologische Zeitschrift*, 90(2): 243-269.
- Sánchez-Moya, Y., Herrero, M.J. & Sopeña, A. 2016. Strontium isotopes and sedimentology of a marine Triassic succession (upper Ladinian) of the westernmost Tethys, Spain. *Journal of Iberian Geology*, 42(2): 171-186.
- Sang-Bong Yi, Chang Whan Oh, Seung-Yeol Lee, Seon-Gyu Choi, Taesung Kim & Keewook Yi. 2016. Triassic mafic and intermediate magmatism associated with continental collision between the North and South China cratons in the Korean Peninsula. *Lithos*, 246-247: 149-164.
- Sanz de Galdeano, C. & Ruiz Cruz, M.D. 2016. Late Palaeozoic to Triassic formations unconformably deposited over the Ronda peridotites (Betic Cordilleras): evidence for their Variscan time of emplacement. *Estudios Geológicos*, 72(1): DOI 10.3989/egeol.42046.368 (24pp).
- Sapin, F., Davaux, M., Dall'asta, M., Lahmi, M., Baudot, G. & Ringenbach, J.-C. 2016. Post-rift subsidence of the French Guiana hyper-oblique margin: from rift-inherited subsidence to Amazon deposition effect. *Geological Society, London, Special Publications*, 431: 125-144.
- Sarigül, V. 2016. New basal dinosauromorph records from the Dockum Group of Texas, USA. *Palaeontologia Electronica*, 19.2.21A: 1-16.
- Sato, H., Shirai, N., Ebihara, M., Onoue, T. & Kiyokawa, S. 2016. Sedimentary PGE signatures in the Late Triassic ejecta deposits from Japan: implications for the identification of impactor. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 442: 36-47.
- Saunders, A.D. 2016. Two LIPS and two Earth-system crises: the impact of the North Atlantic Igneous Province and the Siberian Traps on the Earth-surface carbon cycle. *Geological Magazine*, 153(Special Issue 2): 201-222.
- Sawaki, Y., Yibing Li, Asanuma, H., Sakata, S., Suzuki, K., Hirata, T. & Windley, B.F. 2016. New chronological constraints on Neoproterozoic gneisses, Proterozoic cover sediments, and Triassic granite, Jixian, China. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 459: 182-197.
- Schaal, E.K., Clapham, M.E., Rego, B.L., Wang, S.C. & Payne, J.L. 2016. Comparative size evolution of marine clades from the Late Permian through Middle Triassic. *Paleobiology*, 42(1): 127-142.
- Schmidt, A., Skeffington, R.A. and 10 others. 2016. Selective environmental stress from sulphur emitted by continental flood basalt eruptions. *Nature Geoscience*, 9(1): 77-82.
- Schneider, J.W. & Scholze, F. 2016. A new Late Pennsylvanian to Early Triassic conchostracan biostratigraphy. *Permophiles*, 63: 37-43.
- Schobben, M., Ullman, C.V. and 7 others. 2016. Discerning primary versus diagenetic signals in carbonate carbon and oxygen isotope records: an example from the Permian-Triassic boundary of Iran. *Chemical Geology*, 422: 94-107.
- Schoch, R.R. & Desojo, J.B. 2016. Cranial anatomy of the aetosaur *Paratypothorax andressorum* Long & Ballew, 1985, from the Upper Triassic of Germany and its bearing on aetosaur phylogeny. *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen*, 279(1): 73-95.
- Schoch, R.R. & Seegis, D. 2016. A Middle Triassic palaeontological gold mine: the vertebrate deposits of Vellberg (Germany). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 459: 249-267.
- Schoepfer, S.D., Algeo, T.D., Ward, P.D., Williford, K.H. & Haggart, J.H. 2016. Testing the limits in a greenhouse ocean: did low nitrogen availability limit marine productivity during the end-Triassic mass extinction? *Earth and Planetary Science Letters*, 451: 138-148.
- Scholze, F., Schneider, J.W. & Werneburg, R. 2016. Conchostracans in continental deposits of the Zechstein-Buntsandstein transition in central Germany: taxonomy and biostratigraphic implications for the position of the Permian-Triassic boundary within the Zechstein Group. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 449: 174-193.
- Schultz, C.L., Langer, M.C. & Montefeltro, F.C. 2016. A new rhynchosaur from south Brazil (Santa Maria Formation) and rhynchosaur diversity patterns across the Middle-Late Triassic boundary. *Paläontologische Zeitschrift*, 90(3): 593-609. (Erratum, ibid. 643).
- Schultz, S.K., Furlong, C.M. & Zonneveld, J.-P. 2016. The co-occurrence of *Trypanites* and *Glossofungites* substrate-controlled trace-fossil assemblages in a Triassic mixed siliciclastic-carbonate depositional system: Baldonnel Formation, Williston Lake, B.C., Canada. *Journal of Sedimentary Research*, 86(8): 894-913.
- Schweigert, G., Fuchs, D. & Salomon, H.M. 2016. First record of a xiphoteuthidid coleoid (Cephalopoda: Aulacoceratida) from the Germanic Triassic (Erfurt Formation, Ladinian). *Paläontologische Zeitschrift*, 90(4): 765-769.
- Schweitzer, C.E., Feldmann, R.M. and 8 others. 2016. Morphology, systematics, and paleoecology of *Tridactylastacus* (Crustacea, Decapoda, Glypheidae, Litogastridae). *Journal of Paleontology*, 90(6): 1100-1111.
- Sciscio, L. & Bordy, E.M. 2016. Palaeoclimatic conditions in the Late Triassic-Early Jurassic of southern Africa: a geochemical assessment of the Elliot Formation. *Journal of African Earth Sciences*, 119: 102-119.
- Scriven, S. 2016. Fossils of the Jurassic Coast. Lulworth: The Jurassic Coast Trust: 219pp.
- Şengör, A.M.C. 2016. The structural evolution of the Albula Pass region, Graubünden, eastern Switzerland: the origin of the various vergences in the structure of the Alps. *Canadian Journal of Earth Sciences*, 53(11): 1279-1311.
- Senowbari-Daryan, B. 2016. Upper Triassic miliolids of “Cucurbita group”: aspects of the systematic classification. *Jahrbuch der Geologischen Bundesanstalt Wien*, 156(1-4): 187-215.
- Senowbari-Daryan, B. & Link, M. 2016. Hypercalcified inozoan sponges from the Norian reef carbonates of Turkey. *Revue de*

- Paléobiologie, 35(1): 279-339.
- Sevastjanova, I., Hall, R., Rittner, M., Saw Mu Tha Lay Paw, Tin Tin Naing, Alderton, D.H. & Comfort, G. 2016. Myanmar and Asia united, Australia left behind long ago. *Gondwana Research*, 32: 24-40.
- Servais, T., Martin, R.E. & Nützel, A. 2016. The impact of the 'terrestrialisation process' in the late Palaeozoic: $p\text{CO}_2$, $p\text{O}_2$, and the 'phytoplankton blackout'. *Review of Palaeobotany and Palynology*, 224(2): 26-37.
- Shan Li, Sunlin Chung, Wilde, S.A., Tao Wang & Wenjiao Xiao. 2016. How Central Asian orogeny evolves: new insights from end-Permian to Middle Triassic magmatic record along the Solonker Suture Zone. *Acta Geologica Sinica*, 90(5): 1907-1908.
- Shan Li, Sun-Lin Chung, Wilde, S.A., Tao Wang, Wen-Jiao Xiao & Qia-Qian Guo. 2016. Linking magmatism with collision in an accretionary orogen. *Nature Scientific Reports*, 6(25751), doi:10.1038/srep25751. (12pp).
- Shan Liang, Zhang Dongming, Pang Yingchun, Liu Jiajun, Zhang Wanyi, Zhao Xinmin & Zhang Zhongping. 2016. Late Triassic magmatic activity in the Daqiao gold deposit of West Qinling belt: zircon U-Pb chronology and Lu-Hf isotope evidence. *Geological Bulletin of China*, 35(12): 2045-2057.
- Shan Xiang, Zou ZhiWen, Meng XiangChao, Tang Yong, Guo HuaJun, Chen NengGui & Xu Yang. 2016. Provenance analysis of Triassic Baikouquan Formation in the area around Mahu Depression, Junggar Basin. *Acta Sedimentologica Sinica*, 34(5): 930-939.
- Sheng-Sheng Chen, Ren-Deng Shi, Guo-Ding Yi & Hai-Bo Zou. 2016. Middle Triassic volcanic rocks in the Northern Qiangtang (Central Tibet): geochronology, petrogenesis, and tectonic implications. *Tectonophysics*, 666: 90-102.
- Sheng-Sheng Chen, Ren-Deng Shi and 7 others. 2016. Middle Triassic ultrapotassic rhyolites from the Tanggula Pass, southern Qiangtang, China: a previously unrecognized stage of silicic magmatism. *Lithos*, 264: 258-276.
- Shi Weigang, Zhang Wenfeng, Cheng Jun & Zhai Jie. 2016. Geochemistry, isotopic chronology and tectonic significance of diorite in the south of Bailing County, Tibet. *Geological Bulletin of China*, 35(9): 1463-1471.
- Shi Yujiang, Li Wenhui, Wang Changsheng, Zhang Xiaoli, Zhang Shaohua & Song Ping. 2016. Turbidite fan and its controlling effects on hydrocarbon accumulation in the Chang 7 Member of Triassic Yanchang Formation in Ordos Basin. *Geological Bulletin of China*, 35(2): 406-414.
- Shifeng Wang, Yasi Mo, Chao Wang & Peisheng Ye. 2016. Paleotethyan evolution of the Indochina Block as deduced from granites in northern Laos. *Gondwana Geology*, 38: 183-196.
- Shigeta, Y. & Kumagae, T. 2016. Spathian (late Olenekian, Early Triassic) ammonoids from the Artyon area, South Primorye, Russian Far East and implications for the timing of the recovery of the oceanic environment. *Paleontological Research*, 20(1): 48-60.
- Skrzycki, P. 2016. The westernmost occurrence of Gnathorhiza in the Triassic, with a discussion of the stratigraphic and palaeogeographic distribution of the genus. *Fossil Record*, 19(1): 17-29.
- Slater, T.S., Duffin, C.J., Hildebrandt, C., Davies, T.G. & Benton, M.J. 2016. Microvertebrates from multiple bone beds in the Rhaetian of the M4-M5 motorway junction, South Gloucestershire, U.K. *Proceedings of the Geologists' Association*, 127(4): 464-477.
- Smircić, D., Lugović, B., Aljinović, D., Hrvatović, H., Kolar-Jurkovšek, T., Jurkovšek, B. & Gajšak, F. 2016. Middle Triassic autoclastic deposits from southwestern Bosnia and Herzegovina. *Rudarsk-Geološko-Nafti Zbornik*, 31(2). DOI: 10.17794/rgn.2016.2.1. (12pp).
- Sobolev, P., Franke, D. and 7 others. 2016. Reconnaissance study of organic geochemistry and petrology of Paleozoic-Cenozoic potential hydrocarbon source rocks from the New Siberian Islands, Arctic Russia. *Marine and Petroleum Geology*, 78: 30-47.
- Song Haijun & Tong Jinnan, 2016. Mass extinction and survival during the Permian-Triassic crisis. *Earth Science – Journal of China University of Geosciences*, 2016(6): 901-918.
- Song Ping, Li Wenhui, Lu Jincai, Gu Duanyang, Qin Caihong & Li Zhaoyu. 2016. A study of tight reservoir diagenesis in the Chang 7 Member of Triassic Yanchang Formation, Jiyuan-Longdong area, Ordos Basin. *Geological Bulletin of China*, 35(2): 415-423.
- Song Weimin, Tao Nan and 12 others. 2016. Geochronology and geochemistry of the Aolansandui pluton in Horqin Right Wing Middle Banner of Inner Mongolia. *Geological Bulletin of China*, 35(6): 932-942.
- Song Zhongbao, Zhang Yulian and 10 others. 2016. LA-ICP-MS zircon U-Pb age of the Yemaquan granodiorite in the Qimantag area, Qinghai Province and its geological implications. *Geological Bulletin of China*, 35(12): 2006-2013.
- Songqi Pan, Horsfield, B., Caineng Zou & Zhi Yang. 2016. Upper Permian Junggar and Upper Triassic Ordos lacustrine source rocks in northwest and central China: organic geochemistry, petroleum potential and predicted organofacies. *International Journal of Coal Geology*, 158: 90-106.
- Songtao Wu, Caineng Zou and 7 others. 2016. Characteristics and origin of tight oil accumulations in the Upper Triassic Yanchang Formation of the Ordos Basin, north-central China. *Acta Geologica Sinica*, 90(5): 1821-1837.
- Sorokin, A.A., Kotov, A.B., Kudryashov, N.M. & Kovach, V.P. 2016. Early Mesozoic granitoid and rhyolitic magmatism of the Bureya Terrane of the Central Asian Orogenic Belt: age and geodynamic setting. *Lithos*, 261: 181-194.
- Sowiżdał, A. & Kaczmarczyk, M. 2016. Analysis of thermal parameters of Triassic, Permian and Carboniferous sedimentary rocks in central Poland. *Geological Journal*, 51(1): 65-76.
- Specht, S. 2016. Die Forschungsbohrung Stadtlauringen 1 in Unterfranken. *Geologica Bavaria*, 114: 91-118.
- Spector, A., Epstein, S.A. & Schieck, D. 2016. Geophysical evidence for Mesozoic syn-rift salt diapirism in Southeast Bahamas. *Carbonates and Evaporites*, 31(2): 109-114.
- Spencer, C.J., Harris, R.A. & Major, J.R. 2016. Provenance of Permian-Triassic Gondwana sequence units accreted to the Banda Arc in the Timor region: constraints from zircon U-Pb

- and Hf isotopes. *Gondwana Geology*, 38: 28-39.
- Spikings, R., Reitsma, M.J., Boekhout, F., Mišković, A., Ulianov, A., Chiaradia, M., Gerdes, A. & Schaltegger, U. 2016. Characterisation of Triassic rifting in Peru and implications for the early disassembly of western Pangaea. *Gondwana Research*, 35: 124-143.
- Stanienda, K.J. 2016. Carbonate phases rich in magnesium in the Triassic limestones of the eastern part of the Germanic Basin. *Carbonates and Evaporites*, 31(4): 387-405.
- Staples, R.D., Gibson, H.D., Colpron, M. & Ryan, J.J. 2016. An orogenic wedge model for diachronous deformation, metamorphism, and exhumation in the hinterland of the northern Canadian Cordillera. *Lithosphere*, 8(2): 165-184.
- Stewart, S.A., Reid, C.T., Hooker, N.P. & Kharouf, O.W. 2016. Mesozoic siliciclastic reservoirs and petroleum system in the Rub' Al-Khali basin, Saudi Arabia. *AAPG Bulletin*, 100(5): 819-841.
- Stricker, S., Jones, S.J. & Grant, N.T. 2016. Importance of vertical effective stress for reservoir quality in the Skagerrak Formation, Central Graben, North Sea. *Marine and Petroleum Geology*, 78: 895-909.
- Stricker, S., Jones, S.J., Sathar, S., Bowen, L. & Oxtoby, N. 2016. Exceptional reservoir quality in HPHT reservoir settings: examples from the Skagerrak Formation of the Heron Cluster, North Sea, UK. *Marine and Petroleum Geology*, 77: 198-215.
- Strickson, E., Prieto-Márquez, A., Benton, M.J. & Stubbs, T.L. 2016. Dynamics of dental evolution in ornithopod dinosaurs. *Nature Scientific Reports*, 6(28904), doi:10.1038/srep28904. (11pp).
- Stocker, M.R., Nesbitt, S.J., Criswell, K.E., Parker, W.G., Witmer, L.M., Rowe, T.B., Ridgely, R. & Brown, M.A. 2016. A dome-headed stem archosaur exemplifies convergence among dinosaurs and their distant relatives. *Current Biology*, 26(19): 2674-2680; dx.doi.org/10.1016/j.cub.2016.07.066.
- Stubbs, T.L. & Benton, M.J. 2016. Ecomorphological diversification of Mesozoic marine reptiles: the roles of ecological opportunity and extinction. *Paleobiology*, 42(4): 547-573.
- Sun, Y.-D., Tintori, A., Lombardo, C. & Jiang, D.-Y. 2016. New miniature neopterygians from the Middle Triassic of Yunnan Province, South China. *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen*, 282(2): 135-156.
- Sun, Y.D., Wignall, P.B. and 7 others. 2016. Climate warming, euxinia and carbon isotope perturbations during the Carnian (Triassic) Crisis in South China. *Earth and Planetary Science Letters*, 444: 88-100.
- Surmik, D. 2016. *Hemilopas mentzeli*, an enigmatic marine reptile from the Middle Triassic of Poland revisited. *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen*, 282(2): 209-223.
- Surmik, D., Boczarowski, A., Balin, K., Dulski, M., Szade, J., Kremer, B. & Pawlicki, R. 2016. Spectroscopic studies on organic matter from Triassic reptile bones, Upper Silesia, Poland. *PLoS ONE*, 11(3): e0151143. doi:10.1371/journal.pone.0151143.
- Svetlitskaya, T.V. & Nevolko, P.A. 2016. Late Permian-Early Triassic traps of the Kuznetsk Basin, Russia: geochemistry and petrogenesis in respect to an extension of the Siberian Large Igneous Province. *Gondwana Research*, 39: 57-76.
- Szczygielski, T. & Sulej, T. 2016. Revision of the Triassic European turtles *Proterochersis* and *Murrhardtia* (Reptilia, Testudinata, Proterochersidae), with the description of new taxa from Poland and Germany. *Zoological Journal of the Linnean Society*, 177(2): 395-427.
- Tackett, L.S. 2016. Late Triassic durophagy and the origin of the Mesozoic marine revolution. *Palaios*, 31(4): 122-124.
- Tackett, L.S. & Bottjer, D.J. 2016. Paleoecological succession of Norian (Late Triassic) benthic fauna in eastern Panthalassa (Luning and Gabbs formations, west-central Nevada). *Palaios*, 31(4): 190-202.
- Talamali, S., Chaouchi, R. & Benayad, S. 2016. Sedimentological evolution of the Lower Series formation in the southern area of the Hassi R'Mel field, Saharan Platform, Algeria. *Arabian Journal of Geosciences*, 9(6): DOI 10.1007/s12517-016-2506-7 (16pp)
- Tamura, T., Tsunekawa, N., Nemoto, M., Inagaki, K., Hirano, T. & Sato, F. 2016. Molecular evolution of gas cavity in [NeFeSe] hydrogenases resurrected *in silico*. *Nature Scientific Reports*, 6(19742), doi:10.1038/srep19742. (10pp).
- Tan Cong, Yu Bingsong, Ruan Zhuang, Liu Ce, Zhu Xi, Xie Haochen & Luo Zhong. 2016. High-resolution sequence stratigraphy division of Yanchang Formation in southwestern Ordos Basin. *Journal of Jilin University (Earth Science edition)*, 2016(2): 336-347.
- Tan Mei, Zhao Bing, Zhou Bingyang & Zhang Xiaoshi. 2016. Geochemical characteristics and genesis of T/P clay and event clay in Da-fang area, Guizhou Province. *Geological Bulletin of China*, 35(6): 979-988.
- Tanner, L.H., Kyte, F.T., Richoz, S. & Krystyn, L. 2016. Distribution of iridium and associated geochemistry across the Triassic-Jurassic boundary in sections at Kuhjoch and Kendlbach, Northern Calcareous Alps, Austria. *Palaeogeography, Palaeoecology, Palaeoclimatology*, 449: 13-26.
- Tanner, L.H. & Lucas, S.G. 2016. Stratigraphic distribution and significance of a 15 million-year record of fusain in the Upper Triassic Chinle Group, southwestern USA. *Palaeogeography, Palaeoecology, Palaeoclimatology*, 461: 261-271.
- Tao Wang, Shaoqun Dong, Shenghe Wu, Huaimin Xu & Pengfei Hou. 2016. Numerical simulation of hydrocarbon migration in tight reservoir based on Artificial Ant Colony Algorithm: a case of the Chang 8₁ reservoir of the Triassic Yanchang Formation in the Huaqing area, Ordos Basin, China. *Marine and Petroleum Geology*, 78: 17-29.
- Tao Wu, Long Xiao & Changqian Ma. 2016. U-Pb geochronology of detrital and inherited zircons in the Yidun arc belt, eastern Tibet Plateau and its tectonic implications. *Journal of Earth Science*, 27(3): 461-473.
- Tao Wu, Long Xiao, Wilde, S.A., Chang-Qian Ma, Zi-Long Li, Yi Sun & Qiong-Yao Zhan. 2016. Zircon U-Pb age and Sr-Nd-Hf isotope geochemistry of the Ganluogou dioritic complex in the northern Triassic Yidun arc belt, eastern Tibetan Plateau: implications for the closure of the Garzê-Litang Ocean. *Lithos*, 248-251: 94-108.

- Tavakoli, V. 2016. Ocean chemistry revealed by mineralogical and geochemical evidence at the Permian-Triassic Mass Extinction, offshore the Persian Gulf, Iran. *Acta Geologica Sinica*, 90(5): 1852-1864.
- Taylor, P.D. 2016. Competition between encrusters on marine hard substrates and its fossil record. *Palaeontology*, 59(4): 481-497.
- Tekin, U.K., Bedi, Y., Okuyucu, C., Göncüoglu, M.C. & Sayit, K. 2016. Radiolarian biochronology of upper Anisian to upper Ladinian (Middle Triassic) blocks and tectonic slices of volcano-sedimentary successions in the Mersin Mélange, southern Turkey: new insights for the evolution of Neotethys. *Journal of African Earth Sciences*, 124: 409-426.
- Tennant, P. 2016. Mesozoic crocodyliforms. *Palaeontology Online*, 6, article 6, 1-15.
- Teofilo, G., Festa, V., Sabato, L., Spalluto, L. & Tropeano, M. 2016. 3D modelling of the Tremiti salt diapir in the Gorgano offshore (Adriatic Sea, southern Italy): constraints on the Tremiti Structure development. *Italian Journal of Geoscience*, 135(3): 474-485.
- Tetiker, S., Yalçın, H. & Bozkaya, Ö. 2016. Diagenesis/metamorphism history of Lower Triassic Çığlı Group rocks in Uludere-Uzungeçit (Şurnak) area (eastern part of the southeast Anatolian autochthon). *Türkiye jeoloji bülteni / Geological Bulletin of Turkey*, 59(3): 323-340.
- Thibodeau, A.M., Ritterbuch, K. and 7 others. 2016. Mercury anomalies and the timing of biotic recovery following the end-Triassic mass extinction. *Nature Communications*, 7, Article 11147. DOI: 10.1038/ncomms11147. (8pp).
- Thomazo, C., Vennin, E. and 10 others. 2016. A diagenetic control on the Early Triassic Smithian-Spathian carbon isotopic excursions recorded in the marine settings of the Thaynes Group (Utah, USA). *Geobiology*, 14(3): 220-236.
- Thuy, B. & Stöhr, S. 2016. A new morphological phylogeny of the Ophiuroidea (Echinodermata) accords with molecular evidence and renders microfossils accessible for cladistics. *PLoS ONE*, 11(5): e0156140. doi:10.1371/journal.pone.0156140.
- Tinglu Yang, Weihong He, Kexin Zhang, Shunbao Wu, Yang Zhang, Mingliang Yue, Huiting Wu & Yifan Xiao. 2016. Palaeoecological insights into the Changhsingian-Induan (latest Permian-earliest Triassic) bivalve fauna at Dongpan, southern Guangxi, South China. *Alcheringa*, 40(1): 98-117.
- Tintori, A., Lombardo, C. & Kustatscher, E. 2016. The Pelsonian (Anisian, Middle Triassic) fish assemblage from the Monte Prà della Vacca/Kühwiesenkopf (Braies Dolomites, Italy). *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen*, 282(2): 181-200.
- Tobia, F.H. & Aqrabi, A.M. 2016. Geochemistry of rare earth elements in carbonate rocks of the Mirga Mir Formation (Lower Triassic), Kurdistan region, Iraq. *Arabian Journal of Geosciences*, 9(4): DOI 10.1007/s12517-015-2148-1 (13pp).
- Tobia, F.H. & Shangola, S.S. 2016. Mineralogy, geochemistry and depositional environment of the Beduh Shale (Lower Triassic), Northern Thrust Zone, Iraq. *Turkish Journal of Earth Sciences*, 25(4): 367-391.
- Tomimatsu, Y., Onoue, T. & Nozaki, T. 2016. Stratigraphy and radiolarian ages of stratiform manganese deposits from the Chichibu Belt in the Saiki area, eastern Oita Prefecture, Japan. *Journal of the Geological Society of Japan*, 122(6): 267-273.
- Tongbin Shao, Nanfei Cheng & Maoshuang Song. 2016. Provenance and tectonic-paleogeographic evolution: constraints from detrital zircon U-Pb ages of Late Triassic-Early Jurassic deposits in the northern Sichuan Basin, central China. *Journal of Asian Earth Sciences*, 127: 12-31.
- Tongtherm, K., Nabhitabhata, J., Srisuk, P., Nutadhira, T. & Tonnayopas, D. 2016. New records of nautiloids and ammonoid cephalopod fossils from peninsular Thailand. *Swiss Journal of Palaeontology*, 135(1): 153-168.
- Toro, J., Miller, E.L., Prokopenko, A.V., Xiaojing Zhang & Veselovskiy, R. 2016. Mesozoic orogens of the Arctic from Novaya Zemlya to Alaska. *Journal of the Geological Society, London*, 173(6): 989-1006.
- Torshizian, H.A. 2016. A study of the tectonic origin and the source of the clastic sediments of the Miankuhi formation in the Tarik Dareh region (Torbat Jam, NE Iran). *Iranian Journal of Earth Science*, 8(1): 45-51.
- Trammer, J. 2016. Genus-level versus species-level extinction rates. *Acta Geologica Polonica*, 66(3): 261-265.
- Trotteyn, M.J. & Paulina-Carabajal, A. 2016. Braincase and neuroanatomy of *Pseudochampsia ischigualastensis* and *Tropidosuchus romeri* (Archosauriformes, Proterochampsia). *Ameghiniana*, 53(5): 527-542.
- Tvedt, A.B.M., Røtevatn, A. & Jackson, C.A.-L. 2016. Suprasalt normal fault growth during the rise and fall of a diapir: perspectives from 3D seismic reflection data, Norwegian North Sea. *Journal of Structural Geology*, 91: 1-26.
- Twidale, C.R. 2016. Enigmatic mesozoic paleoforms revisited: the Australian experience. *Earth-Science Reviews*, 155: 82-92.
- Uchman, A., Hanken, N.-M., Nielsen, J.K., Grundvåg, S.-A. & Piasecki, S. 2016. Depositional environment, ichnological features and oxygenation of Permian to earliest Triassic marine sediments in central Spitsbergen, Svalbard. *Polar Research*, 35: <http://dx.doi.org/10.3402/polar.v35.24782>, (21pp.).
- Ullah, M., Ullah, S., Mussawar, U., Jan, I.U., Khan, M.A.A. & Khan, M.K. 2016. Transgressive-regressive (T-R) sequence analysis of the Early Triassic section of the Potwar Basin Pakistan. *Journal of Himalayan Earth Sciences, Special Volume*, 2016: 56.
- Ullmann, C.V., Campbell, H.J., Frei, R. & Korte, C. 2016. Oxygen and carbon isotope and Sr/Ca signatures of high-latitude Permian to Jurassic calcite fossils from New Zealand and New Caledonia. *Gondwana Geology*, 38: 60-73.
- Urlichs, M. 2016. Phyletic relationships among *Alloceratites* species from the upper Erfurt Formation of Thuringia (Late Ladinian, Germany) and from the Early Ladinian of Recoaro (Italy) and Toulon (France). *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen*, 282(1): 27-35.
- Ustaömer, T., Ustaömer, P.A., Robertson, A.H.F. & Geerdes, A. 2016. Implications of U-Pb and Lu-Hf isotopic analysis of detrital zircons for the depositional age, provenance and tectonic setting of the Permian-Triassic Palaeotethyan Karakaya Complex, NW Turkey. *International Journal of Earth Sciences*, 105(1): 7-38.

- Vaez-Javadi, F. 2016. Plant fossil remains from the Kalariz formation in the East Yurt mine, Azadshahr and its correlation with other florizones in Iran and the world. *Geosciences*, 25(99): 95-111. (Geological Survey of Iran: ISSN 1023-7429)
- Van de Schootbrugge, B. & Wignall, P.B. 2016. A tale of two extinctions: converging end-Permian and end-Triassic scenarios. *Geological Magazine*, 153(Special Issue 2): 332-354.
- Van der Lelij, R., Spikings, R., Ulianov, A., Chiaradia, M. & Mora, A. 2016. Palaeozoic to Early Jurassic history of the northwestern corner of Gondwana, and implications for the evolution of the Iapetus, Rheic and Pacific oceans. *Gondwana Research*, 31: 271-294.
- Van Konijnenburg-van Cittert, J.H.A., Kustatscher, E., Pott, C., Schmeissner, S., Dütsch, G. & Krings, M. 2016. New data on *Selaginellites coburgensis* from the Rhaetian of Wüstenwelsberg (Upper Franconia, Germany). *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen*, 280(2): 177-181.
- Van Kranendonk, M.J. & Kirkland, C.L. 2016. Conditioned duality of the Earth system: geochemical tracing of the supercontinent cycle through Earth history. *Earth-Science Reviews*, 160: 171-187.
- Vavrek, M.J. 2016. The fragmentation of Pangaea and Mesozoic terrestrial vertebrate diversity. *Biology Letters*, 12(9): 20160492. DOI: 10.1098/rsbl.2016.0528.
- Vea, I.M. & Grimaldi, D.A. 2016. Putting scales into evolutionary time: the divergence of major scale insect lineages (Hemiptera) predates the radiation of modern angiosperm hosts. *Nature Scientific Reports*, 6(23487), doi:10.1038/srep23487. (11pp).
- Vegas, M., Vázquez, J.T., Olaiz, A.J. & Medialdea, T. 2016. Tectonic model for the latest Triassic-Early Jurassic extensional event in and around the Iberian Peninsula. *Geogaceta*, 60: 23-26.
- Velikoslavinskii, S.D., Kotov, A.B. and 9 others. 2016. Mesozoic age of the Gilyui metamorphic complex in the junction zone of the Selenga-Stanovoi and Dzhugdzhur-Stanovoi superterrane, Central Asian Fold Belt. *Doklady Earth Sciences*, 468(2): 561-565.
- Verrière, A., Brockelhurst, N. & Fröbisch, J. 2016. Assessing the completeness of the fossil record: comparison of different methods applied to parareptilian tetrapods (Vertebrata: Sauropsida). *Paleobiology*, 42(4): 680-695.
- Viega de Oliveira, T. & Schultz, C.L. 2016. Functional morphology and biomechanics of the cynodont *Trucidocynodon riograndensis* from the Triassic of southern Brazil: pectoral girdle and forelimb. *Acta Palaeontologia Polonica*, 61(2): 377-386.
- Voinova, I.P. 2016. Volcanic rocks of the Khabarovsk accretionary complex, southern Far East Russia. *Russian Journal of Pacific Geology*, 10(3): 230-238.
- Von Baczko, M.B. & Desojo, J.B. 2016. Cranial anatomy and palaeoneurology of the archosaur *Riojasuchus tenuisiceps* from the Los Colorados Formation, La Rioja, Argentina. *PLoS ONE*, 11(2): e0148575. doi:10.1371/journal.pone.0148575.
- Wang GuangWei, Li PingPing, Hao Fang, Zou HuaTao & Yu XinYa. 2016. Distribution and origin of the Third Member of the Feixianguan Formation in the Jiannan area: comprehensive analysis from three-dimensional seismic, petrography, and geochemistry. *Acta Sedimentologica Sinica*, 34(1): 168-180.
- Wang, L., Wignall, P.B., Yongbiao Wang, Haishui Jiang, Yadong Sun, Guoshan Li, Jinling Yuan & Xulong Lai. 2016. Depositional conditions and revised age of the Permo-Triassic microbialites at Gaohua section, Cili County (Hunan Province, South China). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 443: 156-166.
- Wang Lei, Long Wenguo, Zhou Dai, Xu Wangchun & Jin Xinbiao. 2016. Late Triassic zircon U-Pb ages and Sr-Nd-Hf isotopes of Darongshan granites in southeastern Guangxi and their geological implications. *Geological Bulletin of China*, 35(8): 1291-1303.
- Wang Yue, Wang Xunlian & Wang Ye. 2016. Discussion on age of "Sailiyakedaban Group" in southern Yencheng, South Xinjiang, NW China. *Earth Science – Journal of China University of Geosciences*, 2016(7): 1099-1109.
- Wanlu Fu, Da-yong Jiang, Montañez, I.P., Meyers, S.R., Motani, R. & Tintori, A. 2016. Eccentricity and obliquity paced carbon cycling in the Early Triassic and implications for post-extinction ecosystem recovery. *Nature Scientific Reports*, 6(27793), doi:10.1038/srep27793. (7pp).
- Warrington, G. 2016. British Triassic palaeontology: literature supplement 38. *Mercian Geologist*, 19(1): 63.
- Webb, M. & White, L.T. 2016. Age and nature of Triassic magmatism in the Netoni Intrusive Complex, West Papua, Indonesia. *Journal of Asian Earth Sciences*, 132: 58-74.
- Weems, R.E., Tanner, L.H. & Lucas, S.G. 2016. Synthesis and revision of the lithostratigraphic groups and formations in the Upper Permian – Lower Jurassic Newark Supergroup of eastern North America. *Stratigraphy*, 13(2): 111-153.
- Wei Xiaolin, Zeng Xiaoping, Gan Chenpin, Zhang Dexin & Yu Xiaoliang. 2016. Geochemistry and geological significance of intermediate-acid intrusive rocks in Chaganganuo area, east Kunlun. *Northwestern Geology*, 48(2)2016: 1-10.
- Weibel, R., Lindström, S., Pedersen, G.K., Johansson, L., Dybkjær, K., Whitehouse, M.J., Boyce, A.J. & Leng, M.J. 2016. Groundwater table fluctuations recorded in zonation of microbial siderites from end-Triassic strata. *Sedimentary Geology*, 342: 47-65.
- Weihong He, Shi, G.R. and 7 others. 2016. Patterns of brachiopod faunal and body-size changes across the Permian-Triassic boundary: evidence from the Daoduishan section in Meishan area, South China. *Palaeogeography, Palaeoecology, Palaeoclimatology*, 448: 72-84.
- Weihong Zhu, Shenghe Wu, Zhijun Yin, Tao Han, Yiming Wu, Wenjie Feng, Ya'nan Luo & Cen Cao. 2016. Braided river delta outcrop architecture: a case study of Triassic Huangshanjie Formation in Kuche depression, Tarim Basin, NW China. *Petroleum Exploration and Development*, 43(3): 528-536.
- Weiwei Yang, Guangdi Liu & Yuan Feng. 2016. Geochemical significance of 17 α (H)-diahopane and its application in oil-source correlation of the Yanchang formation in Longdong area, Ordos basin, China. *Marine and Petroleum Geology*, 71: 238-249.
- Wenlei Song, Cheng Xu, Smith, M.P., Kynicky, J., Huang,

- K., Chunwan Wei, Li Zhou & Qihai Shu. 2016. Origin of unusual HREE-Mo-rich carbonatites in the Qinling orogen, China. *Nature Scientific Reports*, 6(37377), doi:10.1038/srep37377. (10pp).
- Wenlong Ding, Peng Dai, Dingwei Zhu, Yeqian Zhang, Jianhua He, Ang Li & Ruyue Wang. 2016. Fractures in continental shale reservoirs: a case study of the Upper Triassic strata in the SE Ordos Basin, Central China. *Geological Magazine*, 153(4): 663-680.
- WenShan Chen, Yi-chang Huang, Chang-hao Liu, Han-ting Feng, Sun-lin Chung & Yuan-hsi Lee. 2016. U-Pb zircon geochronology constraints on the ages of the Tananao Schist Belt and timing of orogenic events in Taiwan: implications for a new tectonic evolution of the South China Block during the Mesozoic. *Tectonophysics*, 686: 68-81.
- Wenya Lyu, Lianbo Zeng, Zhongqun Liu, Guoping Liu & Kewei Zu. 2016. Fracture response of conventional logs in tight-oil sandstone: a case study of the Upper Triassic Yanchang Formation in southwest Ordos Basin, China. *AAPG Bulletin*, 100(9): 1399-1417.
- Wenzheng Zhang, Hua Yang, Xinyu Xia, Liqin Xie & Guwei Xie. 2016. Triassic chrysophyte cyst fossils discovered in the Ordos Basin, China. *Geology*, 44(12): 1031-1034.
- Werning, S. & Nesbitt, S.J. 2016. Bone histology and growth in *Stenaulorhynchus stockleyi* (Archosauromorphia: Rhynchosauria) from the Middle Triassic of the Ruhuhu Basin of Tanzania. *Comptes Rendus Paleovol*, 15(1-2): 163-175.
- Whiteside, D.I., Duffin, C.J., Gill, P.G., Marshall, J.E.A. & Benton, M.J. 2016. The Late Triassic and Early Jurassic fissure faunas from Bristol and South Wales: stratigraphy and setting. *Palaeontologia Polonica*, 67: 257-287.
- Wignall, P.B. & Van de Schootbrugge, B. 2016. Middle Phanerozoic mass extinctions and a tribute to the work of Professor Tony Hallam. *Geological Magazine*, 153(Special Issue 2): 195-200.
- Wignall, P.B., Bond, D.P.G., Yadong Sun, Grasby, S.E., Beauchamp, B., Joachimski, M.M. & Blomeier, D.P.G. 2016. Ultra shallow-marine anoxia in an Early Triassic shallow-marine clastic ramp (Spitsbergen) and the suppression of benthic radiation. *Geological Magazine*, 153(Special Issue 2): 316-331.
- Winguth, A.M.E., 2016. Changes in productivity and oxygenation during the Permian-Triassic transition. *Geology*, 44(9): 783-784.
- Witzmann, F., Sachs, S. & Nyhuis, C.J. 2016. A new species of *Cyclotosaurus* (Stereospondyli: Capitosauria) from the Late Triassic of Bielefeld, NW Germany, and the intrarelationships of the genus. *Fossil Record*, 19(2): 83-100.
- Wojewoda, J., Rauch, M. & Kowalski, A. 2016. Synsedimentary seismotectonic features in Triassic and Cretaceous sediments in the Intrasudetic Basin (U Devěti křížů locality) – regional implications. *Geological Quarterly*, 60(2): 355-364.
- Wolfe, J.M., Daley, A.C., Legg, D.A. & Edgecombe, G.D. 2016. Fossil calibrations for the arthropod Tree of Life. *Earth-Science Reviews*, 160: 43-110.
- Worden, R.H., Benshatwan, M.S., Potts, G.J. & Elgarmadi, S.M. 2016. Basin-scale fluid movement patterns revealed by veins: Wessex Basin, UK. *Geofluids*, 16(1): 149-174.
- Wu Cai-lai, Lei Min, Wu Di & Li Tian-xiao. 2016. Zircon SHRIMP dating and genesis of granites in Wulan area of northern Qaidam. *Acta Geoscientica Sinica*, 37(4): 493-516.
- Xianbing Xu, Shuai Tang & Shoufa Lin, 2016. Detrital provenance of Early Mesozoic basins in the Jiangnan domain, South China: paleogeographic and geodynamic implications. *Tectonophysics*, 675: 141-158.
- Xiangbo Li, Zhanlong Yang, Jing Wang, Huaqing Liu, Qinlin Chen, Rong Wanyan, Jianbo Liao & Zhiyong Li. 2016. Mud-coated intraclasts: a criterion for recognizing sandy mass-transport deposits – deep-lacustrine massive sandstone of the Upper Triassic Yanchang Formation, Ordos Basin, Central China. *Journal of Asian Earth Sciences*, 129: 98-116.
- Xianghui Li, Mattern, F., Chaokai Zhang, Qinggao Zeng & Guozheng Mao. 2016. Multiple sources of the Upper Triassic flysch in the eastern Himalaya Orogen, Tibet, China: implications for palaeogeography and palaeotectonic evolution. *Tectonophysics*, 666: 12-22.
- Xiangyang Xie. 2016. Provenance and sediment dispersal of the Triassic Yanchang Formation, southwest Ordos Basin, China. *Sedimentary Geology*, 335: 1-16.
- Xiaojing Zhang, Pease, V., Skogseid, J. & Wohlgemuth-Ueberwasser, C. 2016. Reconstruction of tectonic events on the northern Eurasia margin of the Arctic, from U-Pb detrital zircon provenance investigations of late Paleozoic to Mesozoic sandstones in the southern Taimyr Peninsula. *Geological Society of America Bulletin*, 128(1-2): 29-46.
- Xiaomin Fang, Chunhui Song and 8 others. 2016. Mesozoic litho- and magneto-stratigraphic evidence from the central Tibetan Plateau for megamonsoon evolution and potential evaporites. *Gondwana Research*, 37: 110-129.
- Xiao Xiong, Laimin Zhu and 9 others. 2016. Geology and geochemistry of the Triassic Wenquan Mo deposit and Mo-mineralized granite in the Western Qinling Orogen, China. *Gondwana Research*, 30 (Special Issue): 159-178.
- Xiao-chun Wu, Li-jun Zhao, Sato, T., Sheng-xiao Gu & Xing-sheng Jin. 2016. A new specimen of *Hupehsuchus nanchangensis* Young, 1972 (Diapsida, Hupehsuchia) from the Triassic of Hubei, China. *Historical Biology*, 28(1-2): 43-52.
- Xiao-Fei Qiu, Hong-Mei Yang, Xiao-Ming Zhao, Shan-Song Lu, Nian-Wen Wu, Li-Guo Zhang & Chun-Hong Zhang. 2016. Early Triassic gneissoid granites in the Gaozhou area (Yunkai Massif), South China: implications for the amalgamation of the Indochina and South China blocks. *The Journal of Geology*, 124(3): 395-409.
- Xiaowan Xing, Yuejun Wang & Yuzhi Zhang. 2016. Detrital zircon U-Pb geochronology and Lu-Hf isotopic compositions of the Wuliangshan metasediment rocks in SW Yunnan (China) and its provenance implications. *Journal of Earth Science*, 27(3): 412-424.
- Xin Qian, Qinglai Feng, Yuejun Wang, Wenqiang Yang, Chonglakmani, C. & Monjai, D. 2016. Petrochemistry and tectonic setting of the Middle Triassic arc-like volcanic rocks in the Sayabouli area, NW Laos. *Journal of Earth Science*, 27(3): 365-377.
- Xin Qian, Yuejun Wang, Qinglai Feng, Jian-Wei Zi, Yuzhi

- Zhang & Chonglakmani, C. 2016. Petrogenesis and tectonic implication of the Late Triassic post-collisional volcanic rocks in Chiang Khong, NW Thailand. *Lithos*, 248-251: 418-431.
- Xinyu He, Jionghui Wang, Changming Wang, Carranza, E.J.M., Liang Chen & Bin Wu. 2016. Petrogenesis, zircon U-Pb age, and geochemistry of the A-type Moguo syenite, western Henan Province: implications for the Mesozoic tectono-magmatic evolution of the Qinling Orogen. *Journal of Earth System Science*, 125(3): 585-603.
- Xiugen Fu, Jian Wang, Fuwen Tan, Ming Chen, Zhongxiong Li, Yuhong Zeng & Xinglei Feng. 2016. New insights about petroleum geology and exploration of Qiangtang Basin, northern Tibet, China: a model for low-degree exploration. *Marine and Petroleum Geology*, 77: 323-340.
- Xiu-Mei Lu, WeiWei Zhang & Xing-Yue Liu. 2016. New long-proboscid lacewings of the mid-Cretaceous provide insights into ancient plant-pollinator interactions. *Nature Scientific Reports*, 6(25382), doi:10.1038/srep25382. (12pp).
- Xiyao Li, Jianping Zheng, Sanzhong Li, Bo Liu, Lu Xiang, Yongming Wang & Xin Liu. 2016. Late Triassic orogenic collapse and Palaeo-Pacific slab roll-back beneath central South China: constraints from mafic granulite xenoliths and structural features. *Geological Journal*, 51(Supplement S1): 123-136.
- Ya-Sheng Wu, Gong-Liang Yu, Hong-Xia Jiang, Li-Jing Liu & Rui Zhao. 2016. Role and lifestyle of calcified cyanobacteria (*Stanieria*) in Permian-Triassic boundary microbialites. *Palaeogeography, Palaeoecology, Palaeoclimatology*, 448: 39-47.
- Yabumoto, Y. & Brito, P.M. 2016. A new Triassic coelacanth, *Whiteia oishi* (Sarcopterygii, Actinistia) from West Timor, Indonesia. *Paleontological Research*, 20(3): 233-246.
- Yalçın, H., Bozkaya, Ö. & Takçı, M. 2016. Diagenetic history of rock units of Bozkır Unit controlled by Triassic rifting, Bozkır-Konya. *Bulletin of the Mineral Research and Exploration*, 153: 63-90.
- Yamashita, D., Yasuda, C., Ishibashi, T., Martini, R. & Onoue, T. 2016. Stratigraphy and conodont and ammonoid ages of Upper Triassic Nakijin Formation in Hedomisaki area, Okinawa-jima, Japan. *Journal of the Geological Society of Japan*, 122(9): 477-493.
- Yan Hu, Yaoling Niu, Jiyong Li, Lei Ye, Juanjuan Kong, Shuo Chen, Yu Zhang & Guorui Zhang. 2016. Petrogenesis and tectonic significance of the late Triassic mafic dikes and felsic volcanic rocks in the East Kunlun Orogenic Belt, northern Tibet Plateau. *Lithos*, 245: 205-222.
- Yan Ke, Shu-zhong Shen, Shi, G.R., Jun-xuan Fan, Hua Zhang, Li Qiao & Yong Zeng. 2016. Global brachiopod palaeobiogeographical evolution from Changhsingian (Late Permian) to Rhaetian (Late Triassic). *Palaeogeography, Palaeoecology, Palaeoclimatology*, 448: 4-25.
- Yanan Zhou, Xin Cheng and 10 others. 2016. Paleomagnetic study on the Triassic rocks from the Lhasa Terrane, Tibet, and its paleogeographic implications. *Journal of Asian Earth Sciences*, 121: 108-119.
- Yang Changqing, Yang Yanqiu, Li Gang, Yang Chuansheng & Yang Jinyu. 2016. The Mesozoic basin-mountain coupling process of the southern East China Sea Shelf Basin and its adjacent land area. *Acta Geologica Sinica*, 90(3): 1051-1052.
- Yang Fu, Chang Gang, Li Shuheng, Lei Panpan & Tian Tao. 2016. Diagenesis and porosity evolution of Chang 8 oil reservoir group in Qingcheng-Heshui area. *Northwestern Geology*, 48(4)2016: 207-218.
- Yang Hua, Fu Qiang, Qi YaLin, Zhou XinPing, Gong Ning & Huang ShaoXiong. 2016. The paleontology phase zones and its geological significance on the Late Triassic Yanchang Stage palaeo-lacustrine Ordos Basin. *Acta Sedimentologica Sinica*, 34(4): 688-693.
- Yang Jun-quan, Liu Yong-shun, Zhang Su-rong, Yang Yong-heng, Zhang Feng & Rong He. 2016. Two Triassic magmatic activities in Binbalechagan area of Dong Ujimqin Banner, Inner Mongolia: geochronologic record, petrogenesis and tectonic setting. *Geology in China*, 43(6) 2016: 1913-1931.
- Yang Lirong, Song Haijun, Tong Jinnan, Chu Daoliang, Liang Lei, Wu Kui & Tian Li. 2016. The extinction pattern of foraminifers during the Permian-Triassic crisis at the Maochang section, Ziyun, Guizhou Province, South China. *Acta Micropalaeontologica Sinica*, 33(3): 229-250.
- Yang Zhang, Shi, G.R. and 8 others. 2016. Significant pre-mass extinction animal body-size changes: evidence from the Permian-Triassic boundary brachiopod faunas of South China. *Palaeogeography, Palaeoecology, Palaeoclimatology*, 448: 85-95.
- Yangli Yu, Xin Wang, Gang Rao & Renfu Wang. 2016. Mesozoic reactivated transpressional structures and multi-stage tectonic deformation along the Hong-Che fault zone in the northwestern Junggar Basin, NW China. *Tectonophysics*, 679: 156-168.
- Yanlong Chen, Kolar-Jurkovšek, T., Jurkovšek, B., Aljinović, D. & Richoz, S. 2016. Early Triassic conodonts and carbon isotope record of the Idrija-Žiri area, Slovenia. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 444: 84-100.
- Yanlong Chen, Krystyn, L., Orchard, M.J., Xu-Long Lai & Richoz, S. 2016. A review of the evolution, biostratigraphy, provincialism and diversity of Middle and early Late Triassic conodonts. *Papers in Palaeontology*, 2(2): 235-263.
- Yanlong Chen, Krystyn, L., Orchard, M.J., Xu-Long Lai & Richoz, S. 2016. Reply to comments on: A review of the evolution, biostratigraphy, provincialism and diversity of Middle and early Late Triassic conodonts. *Papers in Palaeontology*, 2(3): 457-461.
- Yanlong Chen, Neubauer, T.A., Krystyn, L. & Richoz, S. 2016. Allometry in Anisian (Middle Triassic) segminiplanate conodonts and its implications for conodont taxonomy. *Palaeontology*, 59(5): 725-741.
- Yan-hui Wang, Engel, M.S. and 7 others. 2016. Fossil record of stem groups employed in evaluating the chronogram of insects (Arthropoda: Hexapoda). *Nature Scientific Reports*, 6(38939), doi:10.1038/srep38939. (12pp).
- Yan-wan Wu, Cai Li, Meng-jing Xu, Sheng-qing Xiong, Zheng-guo Fan, Chao-ming Xie & Ming Wang. 2016. Petrology and geochemistry of metabasalts from the Taoxinghu ophiolite, central Qiangtang, northern Tibet: evidence for a continental back-arc basin system. *Austrian Journal of Earth Sciences*,

- 109(2): 166-177.
- Yao Jianxin, Bo Jingfang and 11 others. 2016. Status of stratigraphy research in China. *Acta Geologica Sinica*, 90(4): 1069-1081.
- Ye Xiaozhou, Sun Zhiming, Li Haibing, Cao Yong, Zhang Lei, Wang Leizhen & Zhao Yue. 2016. New paleomagnetic result of Early Triassic rocks from the Longmenshan belt and its tectonic implications. *Geological Bulletin of China*, 35(6): 971-978.
- Ying-Hui Lu, Zi-Fu Zhao & Yong-Fei Zheng. 2016. Geochemical constraints on the source nature and melting conditions of Triassic granites from South Qinling in central China. *Lithos*, 264: 141-157.
- Yong Li, Shuwen Dong, Yueqiao Zhang, Jianhua Li, Jinbao Su & Baofu Han. 2016. Episodic Mesozoic constructional events of central South China: constraints from lines of evidence of superimposed folds, fault kinematic analysis, and magma geochronology. *International Geology Review*, 58(9): 1076-1107.
- Yong Zhou, Youliang Ji and 7 others. 2016. Controls on reservoir heterogeneity of tight sand oil reservoirs in Upper Triassic Yanchang Formation in Longdong area, southwest Ordos Basin, China: implications for reservoir quality prediction and oil accumulation. *Marine and Petroleum Geology*, 78: 110-135.
- Yu GuanMei & Shi Guo. 2016. Trace fossils and their palaeoenvironmental significance of the Early Triassic Anshun Formation in Huaxi area, Guiyang. *Acta Sedimentologica Sinica*, 34(4): 615-625.
- Yu Zhang, Yangyang Chen, Qichao Zhang & Xianghong Meng. 2016. Tectonic sequences of Triassic strata in the southern Ordos Basin, China. *Stratigraphy*, 13(3): 205-219.
- Yu Zhang, Yaoling Niu, Yan Hu, Jinju Liu, Lei Ye, Juanjuan Kong & Meng Duan. 2016. The syncollisional granitoid magmatism and continental crust growth in the West Kunlun Orogen, China – evidence from geochronology and geochemistry of the Arkarz pluton. *Lithos*, 245: 191-204.
- Yuanku Meng, Zhiqin Xu, Santosh, M., Xuxuan Ma, Xijie Chen, Guolin Guo & Fei Liu. 2016. Late Triassic crustal growth in southern Tibet: evidence from the Gangdese magmatic belt. *Gondwana Research*, 37: 449-464.
- Yue Shaofei, Wang Hua, Yan Detian, Huang Chuanyan, Chang Dayu, Li Xiaopeng & Zhang Jing. 2016. The sedimentary characteristics and evolution law of Triassic, Luoyi District. *Earth Science – Journal of China University of Geosciences*, 2016(10): 1683-1695.
- Yuejun Wang, Huiying He, Cawood, P.A., Srithai, B., Qinghai Feng, Weiming Fan, Yuzhi Zhang & Xin Qian. 2016. Geochronological, elemental and Sr-Nd-Hf-O isotopic constraints on the petrogenesis of the Triassic post-collisional granitic rocks in NW Thailand and its Paleotethyan implications. *Lithos*, 266-267: 264-286.
- Yu-Xia Zhang, Zhi-Wu Li, Li-Dong Zhu, Ki-Jun Zhang, Wen-Guang Yang & Xin Jin. 2016. Newly discovered eclogites from the Bangong Meso-Tethyan suture zone (Gaize, central Tibet, western China): mineralogy, geochemistry, geochronology, and tectonic implications. *International Geology Review*, 58(5): 547-587.
- Yunpeng Dong, Zhao Yang and 8 others. 2016. Mesozoic intracontinental orogeny in the Qinling Mountains, central China. *Gondwana Research*, 30 (Special Issue): 144-158.
- Yuruo Shi, Anderson, J.L., Linlin Li, Jing Ding, Cui Liu, Wei Zhang & Chonghui Shen. 2016. Zircon ages and Hf isotopic compositions of Permian and Triassic A-type granites from central Inner Mongolia and their significance for late Palaeozoic and early Mesozoic evolution of the Central Asian Orogenic Belt. *International Geology Review*, 58(8): 967-982.
- Yuruo Shi, Anderson, J.L., Zhonghai Wu, Zhenyu Wang, Linlin Li & Jing Ding. 2016. Age and origin of early Paleozoic and Mesozoic granitoids in Western Yunnan Province, China: geochemistry, SHRIMP zircon ages, and Hf-in-zircon isotopic compositions. *The Journal of Geology*, 124(5): 617-630.
- Zadeh, M.K., Mondol, N.H. & Jahren, J. 2016. Compaction and rock properties of Mesozoic and Cenozoic mudstones and shales, northern North Sea. *Marine and Petroleum Geology*, 76: 344-361.
- Zakharov, Y.D. & Smyshlyeva, O.P. 2016. New middle Olenekian (early Triassic) ammonoids of South Primorye. *Paleontological Journal*, 50(3): 229-238.
- Zanchi, A., Zanchetta, S., Balini, M. & Ghassemi, M.R. 2016. Oblique convergence during the Cimmerian collision: evidence from the Triassic Aghdarband Basin, NE Iran. *Gondwana Geology*, 38: 149-170.
- Zatoń, M., Niedźwiedski, G., Blom, H. & Kear, B.P. 2016. Boreal earliest Triassic biotas elucidate globally depauperate hard substrate communities after the end-Permian mass extinction. *Nature Scientific Reports*, 6(36345), doi:10.1038/srep36345. (10pp).
- Zatoń, M., Wilson, M.A. & Vinn, O. 2016. Comment on the paper of Gierlowski-Kordesch and Cassle “The ‘*Spirorbis*’ problem revisited: Sedimentology and biology of microconchids in marine-nonmarine transitions” [Earth-Science Reviews, 148 (2015): 209-227]. *Earth-Science Reviews*, 152: 198-200.
- Zhanfeng Qiao, Janson, X., Anjiang Shen, Jianfeng Zheng, Hongliu Zeng & Xiaofang Wang. 2016. Lithofacies, architecture and reservoir heterogeneity of tidal-dominated platform marginal oolitic shoal: an analogue of oolitic reservoirs of Lower Triassic Feixianguan Formation, Sichuan Basin, SW China. *Marine and Petroleum Geology*, 76: 290-309.
- Zhang Ji-dong, Fan Yong-gui and 7 others. 2016. Middle-Late Triassic radiolarian fossils from the Zhongba region, Xizang and their geological implications. *Sedimentary Geology and Tethyan Geology*, 36(2016:4): 1-6.
- Zhang Jing, Shao Jun, Zhou Yongheng, Bao Qingzhong & Wang Hongbo. 2016. Geochemical characteristics of rocks and U-Pb, Re-Os age of the Badaguan Cu-Mo deposit in Chen Barag Banner, Inner Mongolia. *Geological Bulletin of China*, 35(8): 1388-1399.
- Zhang Qian, Sun Wei, Ming HongXia, Wang Qian & Zhang LongLong. 2016. Micro-pore structure of diagenetic facies of Chang-6₃ reservoir and distribution of high quality reservoir in Banqiao-Heshui area. *Acta Sedimentologica Sinica*, 34(2):

- 336-345.
- Zhang San, Yang Bo, Li Tingyan, Wang Huiling, Zhang Zhenhong & Wang Lingli. 2016. Sedimentary facies and evolution of Chang 9 oil formation in Yanchang Formation, Zhijing-Ansai area, Ordos Basin. *Geological Bulletin of China*, 35(10): 1964-1970.
- Zhang Shun-li, Song Xiu-zhang, Lu Zheng-xiang, Yang Xiang & Qing Yuan-hua. 2016. Reservoir characteristics and controlling factors in the 4th member of the Xujiache Formation in the Xinchang structural zone. *Sedimentary Geology and Tethyan Geology*, 36(2016:1): 98-103.
- Zhang Wei, Zhou Hanwen, Zhu Yunhai, Mao Wulin, Tong Xin, Ma Zhanqing & Cao Yongliang. 2016. The evolution of Triassic granites associated with mineralization within East Kunlun Orogenic Belt: evidence from the petrology, geochemistry and zircon U-Pb geochronology of the Mohexiala pluton. *Earth Science – Journal of China University of Geosciences*, 2016(8): 1334-1348.
- Zhang Wenhui, Wang Cuizhi, Li Xiaomin & Liu Wenyuan. 2016. Zircon SIMS U-Pb age, Hf and O isotopes of mafic dikes, southwest Fujian Province. *Advances in Earth Science (Journal of Xidian University)*, 31(3): 320-334.
- Zhang Xiangyun, Wang Genhou, Zhao Jun, Cui Xiaofeng, Bai Xiang & Nie Xiaoyong. 2016. Geochemical characteristics, formation age and tectonic environment of the Mankeyidingsayi rocks in the Wuxilike area of Altay. *Geological Bulletin of China*, 35(8): 1376-1387.
- Zhang Xiao-qing, Zhang Guo-quan and 7 others. 2016. Wildfire event at the Triassic-Jurassic boundary: approaches, progress, and perspective. *Acta Palaeontologica Sinica*, 55(3): 331-345.
- Zhang Yingli, Wang Zongqi, Wang Gang, Li Qian & Lin Jianfei. 2016. Chromian spinel, zircon age constraints on the provenance of Early Triassic Feixianguan Formation sandstones from Huize area, upper Yangtze region. *Geological Review*, 62(1): 54-72.
- Zhang Yu-ying, Jiang Da-yong, He Zhi-liang, Gao Bo, Liu Zhong-bao & Nie Hai-kuan. 2016. Microfacies and palaeoenvironment analysis of the middle-upper member of the Nanlinghu Formation (Lower Triassic), Chaohu, Anhui Province. *Journal of Stratigraphy*, 40(3): 290-296.
- Zhang Zhenhong, Zhu Jing, Yu Fang, Li Cheng, Wang Lingli & Li Wenhou. 2016. Reservoir characteristics of thick sandstone and micro-anisotropy of delta front micro-facies: a case study of Chang 6 reservoir in Wucangbu area. *Geological Bulletin of China*, 35(2): 440-447.
- Zhao Zelin, Li Junjian and 7 others. 2016. TIMS zircon U-Pb isotopic dating of Salazha Mountain granites from the northern margin of Alxa, Inner Mongolia, and its tectonic implications. *Geological Bulletin of China*, 35(4): 599-604.
- Zhe Cao, Guangdi Liu, Hongbin Zhan, Chaozheng Li, Yuan You, Chengyu Yang & Hang Jiang. 2016. Pore structure characterization of Chang-7 tight sandstone using MICP combined with N₂GA techniques and its geological control factors. *Nature Scientific Reports*, 6(36919), doi:10.1038/srep36919. (13pp).
- Zhelong Chen, Guangdi Liu, Xulong Wang, Gang Gao, Baoli Xiang, Jiangling Ren, Wanyun Ma & Qiong Zhang. 2016. Origin and mixing of crude oils in Triassic reservoirs of Mahu slope area in Junggar Basin, NW China: implication for control on oil distribution in basin having multiple source rocks. *Marine and Petroleum Geology*, 78: 373-389.
- Zheng Wei, Qi Yongan, Zhang Zhonghui & Xing Zhifeng. 2016. Characteristic and geological significance of microbially induced sedimentary structures (MISS) in terrestrial P-T boundary in Xingyang, western He'nan Province. *Advances in Earth Science*, 2016(7): 737-750.
- Zhengbin Deng, Shuwen Liu, Wanyi Hu & Qiugen Li. 2016. Petrogenesis of the Guangtoushan granitoid suite, central China: implications for Early Mesozoic geodynamic evolution of the Qinling Orogenic Belt. *Gondwana Research*, 30 (Special Issue): 112-131.
- Zhen-Ju Zhou, Shi-Dong Mao, Yan-Jing Chun & Santosh, M. 2016. U-Pb ages and Lu-Hf isotopes of detrital zircons from the southern Qinling Orogen: implications for Precambrian to Phanerozoic tectonics in central China. *Gondwana Research*, 35: 323-337.
- Zhenglong Zhou, Guiwen Wang, Ye Ran, Jin Lai, Yufeng Cui & Xianling Zhao. 2016. A logging identification method of tight oil reservoir lithology and lithofacies: a case from Chang7 Member of Triassic Yanchang Formation in Heshui area, Ordos Basin, NW China. *Petroleum Exploration and Development*, 43(1): 65-73.
- ZhenHua Xue, QingHua Shang, WenYing Jiang, QingChen Wang & ShuangJian Li. 2016. Emplacement age and tectonic implications of the brecciated limestone at the edge of the Longmenshan klippe. *Science China Earth Sciences*, 59(3): 590-600.
- Zhenyu Li, Lin Ding, Lippert, P.C., Peiping Song, Yahui Yue & van Hinsbergen, D.J.J. 2016. Paleomagnetic constraints on the Mesozoic drift of the Lhasa terrane (Tibet) from Gondwana to Eurasia. *Geology*, 44(9): 727-730.
- Zhi-Guang Li, Da-Yong Jiang, Rieppel, O., Motani, R., Tintori, A., Zuo-Yu Sun & Cheng Ji. 2016. A new species of *Xinpusaurus* (Reptilia, Thallatosauria) from the Ladinian (Middle Triassic) of Xingyi, Guizhou, southwestern China. *Journal of Vertebrate Paleontology*, 36(6): e1218340 (7pp).
- Zhiwei Liao, Wenxuan Hu, Jian Cao, Xiaolin Wang, Suping Yao & Ye Wan. 2016. Permian-Triassic boundary (PTB) in the Lower Yangtze region, southeastern China: a new discovery of deep-water archive based on organic carbon isotopic and U-Pb geochronological studies. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 451: 124-139.
- Zhiwei Liao, Wenxuan Hu, Jian Cao, Xiaolin Wang, Suping Yao, Haiguang Wu & Ye Wan. 2016. Heterogeneous volcanism across the Permian-Triassic boundary in South China and implications for the latest Permian mass extinction: new evidence from volcanic ash layers in the Lower Yangtze region. *Journal of Asian Earth Sciences*, 127: 197-210.
- Zhiyong Zhang, Wenbin Zhu, Dewen Zheng, Bhai Zheng & Wei Yang, 2016. Apatite fission track thermochronology in the Kukuketage and Aksu areas, NW China: implication for tectonic evolution of the northern Tarim. *Geoscience Frontiers*, 7(2): 171-180.
- Zhong Yuan, Liu Hong, Tan XiuCheng, Lian ChengBo, Liao

- JiJia, Liu MingJie, Hu Guang & Cao Jian. 2016. Using high resolution sequence stratigraphy to study the framework of sand-rich strata and predict the sweet spots of reservoir: taking Xujiahe Formation in Hechuan area, Sichuan Basin as example. *Acta Sedimentologica Sinica*, 34(4): 758-774.
- Zhonghua Tian, Wenjiao Xiao, Zhiyong Zhang & Xu Lin. 2016. Fission-track constraints on superposed folding in the Beishan orogenic belt, southernmost Altaids. *Geoscience Frontiers*, 7(2): 181-196.
- Zhongyi Zhang, Shijia Chen and 7 others. 2016. Tight oil accumulation mechanisms of Triassic Yanchang Formation Chang 7 Member, Ordos Basin, China. *Petroleum Exploration and Development*, 43(4): 644-654.
- Zhou Xiang, He Sheng, Chen Zhaoyuo, Liu Ping & Wang Furong. 2016. Characteristics and controlling factors of source rocks in Yanchang Formation sequence framework, Ordos Basin. *Earth Science – Journal of China University of Geosciences*, 2016(6): 1055-1066.
- Zhou Zhi-cheng, Luo Hui and 8 others. 2016. The sharp change between the ecosystems of two organic deposits across the Permian-Triassic boundary in the Yudongzi section, Jiangyou, Sichuan, South China. *Acta Palaeontologica Sinica*, 55(1): 70-86.
- Zhu Guo-ren, Guan Jun-lei, Wang Guo-zhi, Zheng Lai-lin, Long Teng, Lu Xu-yang & Xu Peng. 2016. The granites from the Huangcaoling region, Luchun, Yunnan: SHRIMP zircon U-Pb chronology and geological implications. *Sedimentary Geology and Tethyan Geology*, 36(2016:4): 77-84.
- Zhu Min, Chan Hanlin, Zhou Jing & Yang Shufeng. 2016. Provenance of Early Triassic in Yanyuan Basin, Upper Yangtze and its implication for the tectonic evolution. *Earth Science – Journal of China University of Geosciences*, 2016(8): 1309-1321.
- Zimmermann, S. & Hall, R. 2016. Provenance of Triassic and Jurassic sandstones in the Banda Arc: petrography, heavy minerals and zircon geochronology. *Gondwana Research*, 37: 1-19.
- Zonneveld, J.-P., Furlong, C.M. & Sanders, S.C. 2016. Triassic echinoids (Echinodermata) from the Aksala Formation, north Lake Laberge, Yukon Territory, Canada. *Papers in Palaeontology*, 2(1): 87-100.
- Zulauf, G., Dörr, W., Krahl, J., Lahaye, Y., Chatzaras, V. & Xypolias, P. 2016. U-Pb zircon and biostratigraphic data of high-pressure/low-temperature metamorphic rocks of the Talea Ori: tracking the Paleotethys suture in central Crete, Greece. *International Journal of Earth Sciences*, 105(7): 1901-1922.
- Zuoyu Sun, Dayong Jiang, Cheng Ji & Weicheng Hao. 2016. Integrated biochronology for Triassic marine vertebrate faunas of Guizhou Province, South China. *Journal of Asian Earth Sciences*, 118: 101-110.
- Additional pre-2016 titles:**
- Adabi, M.H., Ghavidel-Syooki, M. & Aryafar. 2015. The study of the Late Anisian deposits in Kal-e Angur and Kal-e Ghalak sections, in the Aghdarband tectonic window (NE of Iran). *Iranian Journal of Geology*, 33(9): 15pp.
- Bai Yun-shan, Duan Qi-fa, Niu Zhi-jun, Tang Chao-ying & Zhao Xiao-ming. 2014. Geochemical characteristics and its tectonic significance of Upper Triassic Batang group volcano rocks in Zhahe area, Zhiduo County, southern Qinghai Province. *Journal of Geology and Mineral Resources of South China*, 2014(4): 319-327.
- Bechis, F., Cristallini, E.O., Giambiagi, L.B., Yagupsky, D.L., Guzmán, G. & García, V.H. 2014. Transtensional tectonics induced by oblique reactivation of previous lithospheric anisotropies during the Late Triassic to Early Jurassic rifting in the Neuquén Basin: insights from analog models. *Journal of Geodynamics*, 79: 1-17.
- Blendinger, W., Bertini, A., Lohmeier, S. & Meißner, E. 2013. Dolomite in Triassic Dolomite. *Claustaler Geowissenschaften*, 9.
- Burgess, S.D. & Bowring, S.A. 2015. High-precision geochronology confirms voluminous magmatism before, during, and after Earth's most severe extinction. *Science Advances*, 1(7). DOI: 10.1126/sciadv.1500470. (14pp).
- Deng Baozhu, Yu Lixue, Wang Yongbiao, Li Guoshan & Meng Yafei. 2015. Evolution of marine conditions and sedimentation during the Permian-Triassic transition in Chibi of Hubei Province. *Earth Science – Journal of China University of Geosciences*, 2015(2): 317-326.
- Deutschman, A., Meschede, M. & Obst, K. 2013. Distribution of Triassic rocks at the north-eastern margin of the North German Basin – first insights of re-processed 2D reflection profiles in the southern Baltic Sea. *Schriftenreihe der Deutschen Gesellschaft für Geowissenschaften*, 82: 37.
- Diao Fan, Ween Zhi-gang, Zou Hua-you & Li Na. 2013. Sedimentary characteristics of shallow-water deltas in Chang 8 oil-bearing interval in eastern Gansu, Ordos Basin. *Earth Science – Journal of China University of Geosciences*, 38(6): 1289-1298.
- Feng Wenjie, Wu Shenghe, Xia Qinyu, Li Junfei & Wu Shunwei. 2015. Micro-facies modelling of alluvial fan reservoir based on geological vector information: a case study on the Lower Triassic Karamay Formation, Yizhong area, Karamay oilfield, NW China. *Geological Bulletin of China Universities*, 18(3): 449-460.
- Ferreiro Mählmann, R., Wolf, M., Bernoulli, D., Petschick, R., Meister, P., Mullis, J., Giger, M. & Krumm, H. 2015. Traces of burial-induced Permo-Triassic and Jurassic heating discriminated from the Cretaceous Upper-Austroalpine orogenetic diagenetic-metamorphic pattern by organic matter studies and maturity modelling, Mittelbünden, Switzerland. *Schriftenreihe der Deutschen Gesellschaft für Geowissenschaften*, 87: 51-52.
- Gancarz, M. 2015. A characterisation of the geothermal potential of the Muschelkalk deposits' location, with the prospective of its utilization in balneology and recreation (southern Poland). *Geology, Geophysics & Environment*, 41(4): 333-342.
- Gao Wenping, Hong Han-lie, and 7 others. 2013. Fine structure and their genetic significance of clay minerals from the Permian-Triassic boundary, Huaxi area, Guizhou Province. *Earth Science – Journal of China University of Geosciences*,

- 38(6): 1253-1262.
- Ghori, K.A.R. 2013. Petroleum geochemistry and petroleum systems modelling of the Canning Basin, Western Australia. Geological Survey of Western Australia, Report 124, 33pp.
- Haghighat, N. & Mansuri. P. 2015. Litho-biostratigraphy of Permian and Lower Triassic deposits in the Sibestan section (northwest of Tehran). *Geosciences*, 24(95): 45-54. (Geological Survey of Iran: ISSN 1023-7429).
- Hajian Barzi, M., Aleali, M., Jahani, D. & Falah Kheyrikhah, M. 2015. Microfacies, sedimentary environment, sequence stratigraphy and strontium dating of the Dashtak Formation in the Persian Gulf, Fars and Izeh regions. *Geosciences*, 24(95): 185-198. (Geological Survey of Iran: ISSN 1023-7429).
- Hámör-Vidó, M. & Hufnagel, H. 2015. Organic petrological assessment of the facies evolution of the Norian-Rhaetian carbonate-rich environment of Rezi-1 well samples, western Hungary. *Schriftenreihe der Deutschen Gesellschaft für Geowissenschaften*, 87: 89.
- Hao Tian-qi, Ji Cheng, Sun Zuo-yu, Jiang Da-yong & Tintori, A. 2015. Conodonts in coprolites from the Early Triassic of Chaohu, Anhui. *Journal of Stratigraphy*, 39(2): 188-196.
- He Weihong, Zhang Kexin and 9 others. 2015. End-Permian faunas from Yangtze Basin and its marginal region: implications for palaeogeographical and tectonic environments. *Earth Science – Journal of China University of Geosciences*, 2015(2): 275-289.
- He Xiao-Liang. 2014. Geochemical characteristics and tectonic environment of Late Triassic intrusive rocks along Badaoban area, Dulan County, Qinghai Province. *Journal of Geology and Mineral Resources of South China*, 2014(3): 218-231.
- Henstra, G.A., Rotevatn, A., Gawthorpe, R.L. & Ravnås, R. 2015. Evolution of a major segmented fault during multiphase rifting: the origin of plan-view zigzag geometry. *Journal of Structural Geology*, 74: 45-63.
- Hermsen, E., Taylor, T.N., Taylor, E.L. & Stevenson, D.W. 2007. Cycads from the Triassic of Antarctica: permineralized cycad leaves. *International Journal of Plant Sciences*, 168(7): 1099-1112.
- Hu Bin, Lu Xu-hui & Song Hui-bo. 2015. Lower Triassic ichnofossils and sedimentary environments in the Dengfeng area, western Henan Province. *Journal of Stratigraphy*, 39(4): 454-465.
- Huang Yunfei, Tong Jinnan, Xiang Ye, Xiao Chuantao, Song Haijun, Tian Li, Song Ting & Chu Daoliang. 2015. The extinction and delayed recovery of bivalves during the Permian-Triassic crisis. *Earth Science – Journal of China University of Geosciences*, 2015(2): 334-345.
- Ji Cheng. 2014. The stratigraphic distribution, migration and phylogeny of the Triassic sauropterygians. *Journal of Stratigraphy*, 38(2): 195-199.
- Ji Liu-xiang, Luo Wei, Liu Feng & Ouyang Shu. 2015. Triassic sporopollen and acritarchs from northern Qilian Mountain (Qinghai) and their stratigraphical significance. *Journal of Stratigraphy*, 39(4): 367-379.
- Kalantarzadeh, Z., Adabi, M.H. & Rahimpour Bohab, H. 2015. Study of original carbonate mineralogy of the Nayband Formation using geochemical evidences in Darbidkhoon, Tarz, Gitry and Kuhbanan stratigraphic sections, SE of Iran. *Geosciences*, 24(94): 203-216. (Geological Survey of Iran: ISSN 1023-7429).
- Lei Min, Wu Cailai, Wu Xiuping, Gao Yuanhong, Wu Suoping, Chen Qilong & Qin Haipeng. 2011. Zircon SHRIMP U-Pb datings of granite and its enclave from Xinyuan pluton, southern Qinling mountains, and their geological significances. *Geological Review*, 57(6): 889-899.
- Li Jianghai, Zhou Xiaobei, Li Weibo, Wang Honghao, Liu Zhonglan, Zhang Huatian & Abitkazy, T. 2015. Preliminary reconstruction of tectonic paleogeography of Tarim Basin and its adjacent areas from Cambrian to Triassic, NW China. *Geological Review*, 61(6): 1225-1234.
- Li Rong, Hu Zhonggui, Hu Mingyi, Meng Lingtao, Liu Dongxi, Liao Yisha & Pu Junwei. 2015. Reservoir characteristics and main control factors of the Feixianguan Formation in the Qilixia-Yunanchang area, southeastern Sichuan Basin. *Geological Bulletin of China Universities*, 18(4): 642-652.
- Li Yun, Han Xu, Niu Zhi-zhong, Li Jing, He Jian & Qiao Yu-lan. 2014. Geology characteristics of Chang-7 reservoir of Yanchang Formation in Xiasawan oil field. *Northwestern Geology*, 47(1)2014: 249-254.
- Li Yun-dong & Liu Xiao-yu. 2014. Geochemistry and tectonic setting of Late Triassic volcanic rocks in Reshui area, Qinghai. *Northwestern Geology*, 47(3)2014: 14-25.
- Li Zhao-yu, Li Wen-hou, Liu Xiao-yu & Ma Kai. 2014. Characteristics of Chang 6 reservoir of the Huaqing area in the Ordos Basin. *Northwestern Geology*, 47(3)2014: 101-109.
- Liu Fen, Zhu Xiaomin, Li Yang, Xu Liming, Zhu Shifa & Xue Mengge. 2015. Characteristics of the Late Triassic deep-water slope break belt in southwestern Ordos Basin and its control on sandbodies. *Geological Bulletin of China Universities*, 18(4): 674-684.
- Looy, C.V., Collinson, M.E., Van Konijnenburg-Van Cittert, J.H.A., Visscher, H. & Brain, A.P.R. 2005. The ultrastructure and botanical affinity of end-Permian spore tetrads. *International Journal of Plant Sciences*, 166(5): 875-887.
- Mahboubipour, H. & Bashari, A.R. 2014. Study of petrography and petrophysics of Permian-Triassic carbonate sediments in Qatar – south Fars Arch. *Iranian Journal of Petroleum Geology*, 3(7): 34-49.
- Mannani, M. & Yazdi, S. 2015. Palaeoecology of Late Triassic deposits, in Dizlu section north of Isfahan, central Iran based on scleractinian corals. *Geosciences*, 24(95): 281-290. (Geological Survey of Iran: ISSN 1023-7429).
- Martínez, N., Laura Tobares, M., Giaccardi, A., Aguilera, D., Roquet, M.B. & Giambiagi, L. 2012. Gondwanic pyroclastic deposits in the southern Sierra de Varela, San Luis Province: petrography and geochemistry. *Serie Correlación Geológica*, 28(1): 23-32.
- Masaoka, Y. & Suzuki, S. 2015. Facies analysis of the Jito Formation (Upper Triassic Nariwa Group) in Jito area, Kawakami, Okayama Pref., SW Japan. *Okayama University Earth Science Reports*, 22(1): 31-39.
- Meier, S., Bauer, J.F. & Philipp, S.L. 2015. Fault zone characteristics, fracture systems and permeability implications of Middle Triassic Muschelkalk in southwest Germany. *Journal*

- of Structural Geology, 70: 170-189.
- Minzoni, M., Lehrmann, D.J. and 11 others. 2014. Triassic Tank: platform margin and slope architecture in space and time, Nanpanjiang Basin, South China. SEPM Special Publications, 105: 84-113.
- Monibi, S., Khodaei, N. & Zamani Pozveh, Z. 2013. Lithostratigraphy and biostratigraphy of the Upper Dalan and Lower Kangan units in Persian Gulf with special emphasis on the Permo-Triassic boundary. *Iranian Journal of Petroleum Geology*, 3(4): 52-71.
- Murphy, P.J. & Moseley, M. 2015. Sediment-filled cavities in the Morecambe Bay karst (UK): examples from the Warton and Silverdale area. *Cave and Karst Science*, 42(3): 144-147.
- Obermaier, M., Ritzmann, N. & Aigner, T. 2015. Multi-level stratigraphic heterogeneities in a Triassic shoal grainstone, Oman mountains, Sultanate of Oman: layer-cake or shingles? *GeoArabia*, 20(2): 115-142.
- Parra-Garcia, M., Sanchez, G., Dentith, M.C. & George, A.D. 2014. Regional structural and stratigraphic study of the Canning Basin, Western Australia. Geological Survey of Western Australia, Report 140, 215pp.
- Photiadis, A., Pomoni-Papaioannou, F.A. & Kostopoulou, V. 2010. Correlation of Late Triassic and Early Jurassic Lofer-type carbonates from the Peloponnesus Peninsula, Greece. *Bulletin of the Geological Society of Greece*, 43(2): 726-736.
- Rashidi, K. & Saberzadeh, B. 2015. The Upper Triassic sphinctozoan sponges of the Howz-e-khan Member of the Nayband Formation, southwest of Naybandan, east central Iran. *Geosciences*, 24(94): 173-182. (Geological Survey of Iran: ISSN 1023-7429).
- Schmieder, M., Schwarz, W.H., Trieloff, M., Tohver, E., Buchner, E., Hopp, J. & Osinski, G.R. 2015. New $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the Clearwater Lake impact structures (Québec, Canada) – not the binary asteroid impact it seems? *Geochimica et Cosmochimica Acta*, 148: 304-324.
- Schoch, R.R. & Sues, H.-D. 2015. A Middle Triassic stem-turtle and the evolution of the turtle body plan. *Nature*, 523: 584-587.
- Seidel, E., Meschede, M. & Obst, K. 2013. Distribution of Triassic sediments in the Baltic Sea east of Ruegen Island based on reprocessed Petrobaltic seismic data. *Schriftenreihe der Deutschen Gesellschaft für Geowissenschaften*, 82: 99.
- Sha Shao-li, Liu Xue-long, Zhao Chang-juan & Zhang Na. 2013. The subdivision and correlation of the Triassic strata in northwest Yunnan. *Journal of Stratigraphy*, 37(3): 343-348.
- Sheikholeslami, M.R. 2015. The effects of Mid-Cimmerian event in north east of Iran. *Geosciences*, 24(94): pp? (Geological Survey of Iran: ISSN 1023-7429).
- Tabibi, S.N., Asilian Mahabadi, H., Movahed, B. & Haji Hosseinloo, H. 2012. Reservoir evaluation of the Kangan Formation based on petrophysical and petrographic studies in one of Persian Gulf fields. *Iranian Journal of Petroleum Geology*, 3(3): 136-154.
- Tian Yang, Xie Guogang, Wang Lingzhan, Tu Bing, Zhao Xiaoming & Zeng Bufo. 2015. Provenance and tectonic settings of Triassic Xujiache Formation in Qiyueshan area, southwest Hubei: evidences from petrology, geochemistry and zircon U-Pb ages of clastic rocks. *Earth Science – Journal of China University of Geosciences*, 2015(12): 2021-2036.
- Tohver, E., Lana, C. and 9 others. 2012. Geochronological constraints on the age of a Permo-Triassic impact event: U-Pb and $^{40}\text{Ar}/^{39}\text{Ar}$ results from the 40 km Araguainha structure in central Brazil. *Geochimica et Cosmochimica Acta*, 86: 214-227.
- Tong Jinnan & Yin Hongfu. 2015. Triassic chronostratigraphy and Chinese stages. *Earth Science – Journal of China University of Geosciences*, 2015(2): 289-197.
- Wang Jian-xin, Kang Kong-yue & Hou Ming-cai. 2014. Sedimentary facies and provenance analysis of Upper Triassic Goulushanecuo Formation in Tuotuohe area of Qinghai Province. *Northwestern Geology*, 47(4)2014: 123-130.
- Whidden, K.J., Dumoulin, J.A., Whalen, M.T., Hutton, E., Moore, T.E. & Gaswirth, S.B. 2014. Distal facies variability within the Upper Triassic part of the Otuk Formation in northern Alaska. SEPM Special Publications, 105: 384-405.
- Wilson, P., Elliott, G.M., Gawthorpe, R.L., Jackson, C.A.-L., Michelsen, L. & Sharp, I.R. 2015. Lateral variation in structural style along an evaporite-influenced rift fault system in the Halten Terrace, Norway: influence of basement structure and evaporite facies. *Journal of Structural Geology*, 79: 110-123.
- Wolf, M., Kaufmann, D., Bebiolka, A.-C., Weitkamp, A. & Jähne, F. 2013. From Data to Model: a workflow for 3D facies-modelling using the example of the Buntsandstein in the central German North Sea sector. *Schriftenreihe der Deutschen Gesellschaft für Geowissenschaften*, 82: 115.
- Wolf, M., Steuer, S., Röhling, H.-G., Rebscher, D. & Jähne-Klingberg, F. 2015. Lithofacies distribution in the Central European Basin: a 3D model of the Buntsandstein facies in the central German North Sea. *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*, 166(4): 341-359.
- Wu Songtao, Zou Caineng, Zhu Rukai, Yuan Xuanjun, Yao Jingli, Yang Zhi, Sun Liang & Bai Bin. 2015. Reservoir quality characterization of Upper Triassic Chang 7 shale in Ordos Basin. *Earth Science – Journal of China University of Geosciences*, 2015(11): 1810-1823.
- Xiong Lin-fang, Liu Chi-ying, Wang Jian-qiang & Zhang Dong-dong. 2015. Depositional sequence of the Triassic Yanchang Formation in the Ordos Basin. *Journal of Stratigraphy*, 39(3): 345-350.
- Yin Chao, Hao Wei-cheng, Ji Cheng, Jiang Da-yong & Sun Zuo-yu. 2014. The Panxian and Luoping faunas: implications for the Triassic recovery from end-Permian mass extinction. *Journal of Stratigraphy*, 38(3): 328-335.
- Yu Cong, Yao Hua-Zhou, Zhao Xiao-Ming & Yang Zhen-Qiang. 2015. Carbonate microfacies in strata near the Permian-Triassic boundary and the volcanic activity evidence in the early Triassic of Lichuan area, western Hubei Province. *Journal of Geology and Mineral Resources of South China*, 2015(2): 115-124.
- Zhang Chengfeng, L(U) Hongbo, Xia Bangdong & Fang Zhong. 2011. Markov Chain simulation on the rhythmic sequences of Middle Triassic flysch in Nanpanjiang Basin, SW China. *Geological Review*, 57(5): 632-640.

- Zhang Lijun, Zhao Zhao & Gong Yiming. 2015. Trace fossils as a proxy of the Big 5 biotic and environmental events in the Phanerozoic. *Earth Science – Journal of China University of Geosciences*, 2015(2): 381-396.
- Zhang Xi, Sun Wei, Ren Dazhong, Qu Xuefeng & Lei Qihong. 2015. The feature of ultra low permeability reservoir and the types of the microscopic pore structure – taken Chang-6 oil-bearing formation in Jiyuan oilfield of Ordos Basin as an example. *Geological Review*, 61(5): 1192-1198.
- Zheng Zhongwen, Liu Jianchao & Li Rongxi. 2015. Controls on oil accumulation in sandstone beds with low permeability by micro-structure: example from the western area of Fengfuchuan oilfield in northern Shaanxi. *Northwestern Geology*, 48(4)2015: 234-242.
- Zheng Zhong-wen & Wu Yan-jun. 2014. Study on sedimentary and evolution characteristics of the Yanchang Formation in western exploratory area of Fengfuchuan oilfield in Ordos Basin. *Northwestern Geology*, 47(3)2014: 110-120.
- Zhou Min, Fu Wan-lu, Zhang Chao, Ni Pei-gang & Ji Cheng. 2015. Geological significance of the fish-bearing concretions near the Smithian-Spathian boundary, Olenekian, Early Triassic. *Journal of Stratigraphy*, 39(4): 395-402.
- Zhou Zuomin, Xia Caifu, Xu Qian & Gao Dafei. 2011. Geological and geochemical characteristics of Middle Triassic syenite-granite suite in Hainan Island and its geotectonic implications. *Geological Review*, 57(4): 515-531.
- Zhu Xiaomin, Liu Fen, Zhu Shifa, Xu Liming, Niu Xiaobing & Liang Xiaowei. 2015. On the tectonic property of the provenance area of the Upper Triassic Yanchang Formation in Longdong area, Ordos Basin. *Geological Bulletin of China Universities*, 18(3): 416-425.
- Zwenger, W. & Koszinski, A. 2009. Die lithostratigraphische gliederung des Unteren Muschelkalks von Rüdersdorf bei Berlin (Mittlere Trias, Anisian). *Brandenburgische Geowissenschaftlichen Beiträge*, 16(1/2): 29-53.

