

Peer-reviewed publications / GeoZentrum Nordbayern

2013 to 2017

(from Scopus 2017_05_26)

2017

1. Alberti, M., Fürsich, F.T., Abdelhady, A.A. and Andersen, N. (2017a) Middle to Late Jurassic equatorial seawater temperatures and latitudinal temperature gradients based on stable isotopes of brachiopods and oysters from Gebel Maghara, Egypt. *Palaeogeography, Palaeoclimatology, Palaeoecology* 468, 301-313.
2. Alberti, M., Fürsich, F.T. and Pandey, D.K. (2017b) First record of a xiphosuran trackway (*Kouphichnium* isp.) from the Jurassic of India. *Palaontologische Zeitschrift* 91, 113-126.
3. Alberti, M., Fürsich, F.T., Pandey, D.K. and Mukherjee, D. (2017c) Overview on the middle to upper Jurassic sedimentary succession of Gangta Bet in the Kachchh basin, western India, with special emphasis on its lithostratigraphy, biostratigraphy, and palaeoenvironment. *J Geol Soc India* 89, 259-270.
4. Arfè, G., Boni, M., Balassone, G., Mondillo, N., Hinder, G. and Joachimski, M. (2017a) New C[¹³]O isotopic data on supergene minerals from the Skorpion and Rosh Pinah ore deposits (Namibia): Genetic and paleoclimatic constraints. *Journal of African Earth Sciences* 126, 148-158.
5. Arfè, G., Boni, M., Mondillo, N., Balassone, G., Joachimski, M. and Mormone, A. (2017b) The Bongará-Mina Grande (Amazonas, Peru) Zn-nonsulphide deposit. *Transactions of the Institutions of Mining and Metallurgy, Section B: Applied Earth Science*, 1.
6. Barth, J.A.C., Mader, M., Nanning, F., van Geldern, R. and Friese, K. (2017) Stable isotope mass balances versus concentration differences of dissolved inorganic carbon – implications for tracing carbon turnover in reservoirs. *Isotopes in Environmental and Health Studies*, 1-14.
7. Beier, C., Haase, K.M., Brandl, P.A. and Krumm, S.H. (2017) Primitive andesites from the Taupo Volcanic Zone formed by magma mixing. *Contrib Mineral Petr* 172.
8. Bergold, S.T., Goetz-Neunhoeffler, F. and Neubauer, J. (2017) Interaction of silicate and aluminate reaction in a synthetic cement system: Implications for the process of alite hydration. *Cement Concrete Res* 93, 32-44.
9. Clements, T., Colleary, C., De Baets, K. and Vinther, J. (2017a) Buoyancy mechanisms limit preservation of coleoid cephalopod soft tissues in Mesozoic Lagerstätten. *Palaeontology* 60, 1-14.
10. Dusek, J., Vogel, T., Dohnal, M., Barth, J.A.C., Sanda, M., Marx, A. and Jankovec, J. (2017) Dynamics of dissolved organic carbon in hillslope discharge: Modeling and challenges. *Journal of Hydrology* 546, 309-325.
11. Ectors, D., Goetz-Neunhoeffler, F. and Neubauer, J. (2017) Routine (an)isotropic crystallite size analysis in the double-Voigt approximation done right? *Powder Diffraction*, 1-8.
12. Fürsich, F.T., Alberti, M., Pandey, D.K. and Rai, J. (2017) Event beds or condensed unit? Analysis of a wood-log concentration in the Upper Jurassic of the Kachchh Basin, western India. *Palaeogeography, Palaeoclimatology, Palaeoecology* 466, 406-415.
13. Girard, C., Cornée, J.J., Charruault, A.L., Corradini, C., Weyer, D., Bartsch, K., Joachimski, M. and Feist, R. (2017) Conodont biostratigraphy and palaeoenvironmental trends during the Famennian (Late Devonian) in the thuringian buschteich section (Germany). *Newsletters on Stratigraphy* 50, 71-89.
14. Gischler, E., Heindel, K., Birgel, D., Brunner, B., Reitner, J. and Peckmann, J. (2017) Cryptic biostalactites in a submerged karst cave of the Belize Barrier Reef revisited: Pendant bioconstructions cemented by microbial micrite. *Palaeogeography, Palaeoclimatology, Palaeoecology* 468, 34-51.
15. Günther, T., Klemd, R., Zhang, X., Horn, I. and Weyer, S. (2017) In-situ trace element and Fe-isotope studies on magnetite of the volcanic-hosted Zhibo and Chagangnuoer iron ore deposits in the Western Tianshan, NW China. *Chem Geol* 453, 111-127.
16. Hethke, M., Fürsich, F.T., Schneider, S. and Jiang, B. (2017) Sex determination of the Early Cretaceous clam shrimp *Eosetheria middendorffii* (Yixian Formation, China). *Lethaia* 50, 105-121.
17. Hong, T., Gao, J., Xu, X.W., You, J., Wang, X.S., Li, H. and Ke, Q. (2017) The tectonic evolution of the Irtysh tectonic belt: New zircon U–Pb ages of arc-related and collisional granitoids in the Kalaxiangar tectonic belt, NW China. *Lithos* 272-273, 46-68.
18. Hurlle, K., Neubauer, J. and Goetz-Neunhoeffler, F. (2017) Hydration mechanism of partially amorphized β -tricalcium phosphate. *Acta Biomaterialia* 54, 429-440.

19. Jansen, D., Spies, A., Neubauer, J., Ectors, D. and Goetz-Neunhoeffler, F. (2017) Studies on the early hydration of two modifications of ye'elimite with gypsum. *Cement Concrete Res* 91, 106-116.
20. Jarochowska, E., Viira, V., Einasto, R., Nawrot, R., Bremer, O., Männik, P. and Munnecke, A. (2017) Conodonts in Silurian hypersaline environments: Specialized and unexpectedly diverse. *Geology* 45, 3-6.
21. Keith, M., Haase, K.M., Klemd, R., Schwarz-Schampera, U. and Franke, H. (2017) Systematic variations in magmatic sulphide chemistry from mid-ocean ridges, back-arc basins and island arcs. *Chem Geol* 451, 67-77.
22. Keller, M., Amarah, B.A. and Al Ajmi, H.F. (2017) The Wajid Sandstone around Abha/Khamis Mushayt and in its type area: lithostratigraphic architecture and correlations. *Arabian Journal of Geosciences* 10.
23. Konopelko, D., Klemd, R., Petrov, S.V., Apayarov, F., Nazaraliev, B., Vokueva, O., Scherstén, A. and Sergeev, S. (2017) Precambrian gold mineralization at Djamgyr in the Kyrgyz Tien Shan: Tectonic and metallogenic implications. *Ore Geol Rev* 86, 537-547.
24. Li, J.L., John, T., Gao, J., Klemd, R. and Wang, X.S. (2017a) Subduction channel fluid–rock interaction and mass transfer: Constraints from a retrograde vein in blueschist (SW Tianshan, China). *Chem Geol* 456, 28-42.
25. Li, Q., Li, Y. and Kiessling, W. (2017b) The oldest labechiid stromatoporoids from intraskeletal crypts in lithistid sponge–*Calathium* reefs. *Lethaia* 50, 140-148.
26. Luo, J., Zhao, H., Jia, J., Xiang, W., Rohn, J. and Blum, P. (2017a) Study on operation management of borehole heat exchangers for a large-scale hybrid ground source heat pump system in China. *Energy* 123, 340-352.
27. Luo, J., Zhu, Y., Guo, Q., Tan, L., Zhuang, Y., Liu, M., Zhang, C., Xiang, W. and Rohn, J. (2017b) Experimental investigation of the hydraulic and heat-transfer properties of artificially fractured granite. *Sci Rep-Uk* 7.
28. Malone, S.J., McClelland, W.C., von Gosen, W. and Piepjohn, K. (2017) The earliest Neoproterozoic magmatic record of the Pearya terrane, Canadian high Arctic: Implications for Caledonian terrane reconstructions. *Precambrian Research* 292, 323-349.
29. Marx, A., Hintze, S., Sanda, M., Jankovec, J., Oulehle, F., Dusek, J., Vitvar, T., Vogel, T., van Geldern, R. and Barth, J.A.C. (2017) Acid rain footprint three decades after peak deposition: Long-term recovery from pollutant sulphate in the Uhlirska catchment (Czech Republic). *Sci Total Environ* 598, 1037-1049.
30. Matos, S.A., Warren, L.V., Fürsich, F.T., Alessandretti, L., Assine, M.L., Riccomini, C. and Simões, M.G. (2017) Paleoecology and paleoenvironments of Permian bivalves of the Serra Alta Formation, Brazil: Ordinary suspension feeders or Late Paleozoic Gondwana seep organisms? *Journal of South American Earth Sciences* 77, 21-41.
31. Nielsen, S.G., Prytulak, J., Blusztajn, J., Shu, Y., Auro, M., Regelous, M. and Walker, J. (2017) Thallium isotopes as tracers of recycled materials in subduction zones: Review and new data for lavas from Tonga-Kermadec and Central America. *Journal of Volcanology and Geothermal Research* 339, 23-40.
32. Reagan, M., Turner, S., Handley, H., Turner, M., Beier, C., Caulfield, J. and Peate, D. (2017) ²¹⁰Pb-²²⁶Ra disequilibria in young gas-laden magmas. *Sci Rep-Uk* 7.
33. Roelofs, B., Barham, M., Cliff, J., Joachimski, M., Martin, L. and Trinajstić, K. (2017) Assessing the fidelity of marine vertebrate microfossil $\delta^{18}\text{O}$ signatures and their potential for palaeo-ecological and -climatic reconstructions. *Palaeogeography, Palaeoclimatology, Palaeoecology* 465, 79-92.
34. Schmidt, K., Garbe-Schönberg, D., Hannington, M.D., Anderson, M.O., Bühring, B., Haase, K., Haruel, C., Lupton, J. and Koschinsky, A. (2017) Boiling vapour-type fluids from the Nifonea vent field (New Hebrides Back-Arc, Vanuatu, SW Pacific): Geochemistry of an early-stage, post-eruptive hydrothermal system. *Geochim Cosmochim Acta* 207, 185-209.
35. Scholze, F., Wang, X., Kirscher, U., Kraft, J., Schneider, J.W., Götz, A.E., Joachimski, M.M. and Bachtadse, V. (2017) A multistratigraphic approach to pinpoint the Permian-Triassic boundary in continental deposits: The Zechstein–Lower Buntsandstein transition in Germany. *Global and Planetary Change* 152, 129-151.
36. Sun, Y.D., Liu, X.T., Yan, J.X., Li, B., Chen, B., Bond, D.P.G., Joachimski, M.M., Wignall, P.B., Wang, X. and Lai, X.L. (2017) Permian (Artinskian to Wuchapingian) conodont biostratigraphy in the Tieqiao section, Laibin area, South China. *Palaeogeography, Palaeoclimatology, Palaeoecology* 465, 42-63.
37. Wang, X.S., Gao, J., Klemd, R., Jiang, T., Li, J.L., Zhang, X. and Xue, S.C. (2017) The Central Tianshan Block: A microcontinent with a Neoproterozoic–Paleoproterozoic basement in the southwestern Central Asian Orogenic Belt. *Precambrian Research* 295, 130-150.
38. Warren, L.V., Varejão, F.G., Quaglio, F., Simões, M.G., Fürsich, F.T., Poiré, D.G., Catto, B. and Assine, M.L. (2017) Stromatolites from the Aptian Crato Formation, a hypersaline lake system in the Araripe Basin, northeastern Brazil. *Facies* 63.

39. Wu, R., Calner, M. and Lehnert, O. (2017) Integrated conodont biostratigraphy and carbon isotope chemostratigraphy in the Lower-Middle Ordovician of southern Sweden reveals a complete record of the MDICE. *Geol Mag* 154, 334-353.
40. Younes, H., Calner, M. and Lehnert, O. (2017) The first continuous $\delta^{13}\text{C}$ record across the Late Silurian Lau Event on Gotland, Sweden. *Gff* 139, 63-69.
41. Zong, K., Klemd, R., Yuan, Y., He, Z., Guo, J., Shi, X., Liu, Y., Hu, Z. and Zhang, Z. (2017) The assembly of Rodinia: The correlation of early Neoproterozoic (ca. 900 Ma) high-grade metamorphism and continental arc formation in the southern Beishan Orogen, southern Central Asian Orogenic Belt (CAOB). *Precambrian Research* 290, 32-48.

2016

1. Abu Khatita, A.M., de Wall, H. and Koch, R. (2016) Anthropogenic particle dispersions in topsoils of the Middle Nile Delta: a preliminary study on the contamination around industrial and commercial areas in Egypt. *Environ Earth Sci* 75, 1-19.
2. Adomat, F., Munnecke, A. and Kido, E. (2016) Mass occurrence of the large solitary rugose coral *Phaulactis angusta* at the boundary Lower/Upper Visby Formation in the Silurian of Gotland, Sweden: palaeoecology and depositional implications. *Gff*, 1-17.
3. Alberti, M., Fürsich, F.T. and Pandey, D.K. (2016) First record of a xiphosuran trackway (*Kouphichnium* sp.) from the Jurassic of India. *Palaontologische Zeitschrift*, 1-14.
4. Amberg, C.E.A., Collart, T., Salenbien, W., Egger, L.M., Munnecke, A., Nielsen, A.T., Monnet, C., Hammer, O. and Vandenbroucke, T.R.A. (2016) The nature of Ordovician limestone-marl alternations in the Oslo-Asker District (Norway): Witnesses of primary glacio-eustasy or diagenetic rhythms? *Sci Rep-Uk* 6.
5. Anderson, M.O., Hannington, M.D., Haase, K., Schwarz-Schampera, U., Augustin, N., McConachy, T.F. and Allen, K. (2016) Tectonic focusing of voluminous basaltic eruptions in magma-deficient backarc rifts. *Earth Planet Sc Lett* 440, 43-55.
6. Arculus, R.J., Ishizuka, O., Bogus, K.A., Gurnis, M., Hickey-Vargas, R., Aljhdali, M.H., Bandini-Maeder, A.N., Barth, A.P., Brandl, P.A., Drab, L., Do Monte Guerra, R., Hamada, M., Jiang, F., Kanayama, K., Kender, S., Kusano, Y., Li, H., Loudin, L.C., Maffione, M., Marsaglia, K.M., McCarthy, A., Meffre, S., Morris, A., Neuhaus, M., Savov, I.P., Sena, C., Tepley, F.J., Van Der Land, C., Yogodzinski, G.M. and Zhang, Z. (2016) Reply to 'Unclear causes for subduction'. *Nat Geosci* 9, 338-339.
7. Attermeyer, K., Flury, S., Jayakumar, R., Fiener, P., Steger, K., Arya, V., Wilken, F., Van Geldern, R. and Premke, K. (2016) Invasive floating macrophytes reduce greenhouse gas emissions from a small tropical lake. *Sci Rep-Uk* 6.
8. Baier, A., van Geldern, R., Löhr, G., Subert, H.L. and Barth, J.A.C. (2016) Groundwater units and their potential for development at Nuremberg, Germany. *Grundwasser* 21, 253-266.
9. Basharat, M., Ali, A., Jadoon, I.A.K. and Rohn, J. (2016) Using PCA in evaluating event-controlling attributes of landsliding in the 2005 Kashmir earthquake region, NW Himalayas, Pakistan. *Nat Hazards* 81, 1999-2017.
10. Bergold, S.T., Goetz-Neunhoeffler, F. and Neubauer, J. (2016) Influence of the reactivity of the amorphous part of mechanically activated alite on its hydration kinetics. *Cement Concrete Res* 88, 73-81.
11. Bestmann, M., Pennacchioni, G., Mostefaoui, S., Göken, M. and de Wall, H. (2016) Instantaneous healing of micro-fractures during coseismic slip: Evidence from microstructure and Ti in quartz geochemistry within an exhumed pseudotachylyte-bearing fault in tonalite. *Lithos* 254-255, 84-93.
12. Bomou, B., Deconinck, J.F., Pucéat, E., Amédéo, F., Joachimski, M.M. and Quillévéré, F. (2016) Isotopic seawater temperatures in the Albian Gault Clay of the Boulonnais (Paris Basin): palaeoenvironmental implications. *Proceedings of the Geologists' Association* 127, 699-711.
13. Bonin, A., Pucéat, E., Vennin, E., Mattioli, E., Aurell, M., Joachimski, M., Barbarin, N. and Laffont, R. (2016) Cool episode and platform demise in the Early Aptian: New insights on the links between climate and carbonate production. *Paleoceanography* 31, 66-80.
14. Brandl, P.A., Regelous, M., Beier, C., O'Neill, H.S., Nebel, O. and Haase, K.M. (2016) The timescales of magma evolution at mid-ocean ridges. *Lithos* 240, 49-68.
15. Chaabane, S., López Correa, M., Montagna, P., Kallel, N., Taviani, M., Linares, C. and Ziveri, P. (2016) Exploring the oxygen and carbon isotopic composition of the Mediterranean red coral (*Corallium rubrum*) for seawater temperature reconstruction. *Marine Chemistry* 186, 11-23.
16. Chandrajith, R., Diyabalanage, S., Premathilake, K.M., Hanke, C., van Geldern, R. and Barth, J.A.C. (2016) Controls of evaporative irrigation return flows in comparison to seawater intrusion in coastal karstic aquifers in northern Sri Lanka: Evidence from solutes and stable isotopes. *Sci Total Environ* 548-549, 421-428.

17. Chen, B., Joachimski, M.M., Wang, X.D., Shen, S.Z., Qi, Y.P. and Qie, W.K. (2016a) Ice volume and paleoclimate history of the Late Paleozoic Ice Age from conodont apatite oxygen isotopes from Naqing (Guizhou, China). *Palaeogeography, Palaeoclimatology, Palaeoecology* 448, 151-161.
18. Chen, J., Shen, S.Z., Li, X.H., Xu, Y.G., Joachimski, M.M., Bowring, S.A., Erwin, D.H., Yuan, D.X., Chen, B., Zhang, H., Wang, Y., Cao, C.Q., Zheng, Q.F. and Mu, L. (2016b) High-resolution SIMS oxygen isotope analysis on conodont apatite from South China and implications for the end-Permian mass extinction. *Palaeogeography, Palaeoclimatology, Palaeoecology* 448, 26-38.
19. Clements, T., Colleary, C., De Baets, K. and Vinther, J. (2016) Buoyancy mechanisms limit preservation of coleoid cephalopod soft tissues in Mesozoic Lagerstätten. *Palaeontology*.
20. Daesslé, L.W., van Geldern, R., Orozco-Durán, A. and Barth, J.A.C. (2016) The 2014 water release into the arid Colorado River delta and associated water losses by evaporation. *Sci Total Environ* 542, 586-590.
21. Dariz, P., Neubauer, J., Goetz-Neunhoeffler, F. and Schmid, T. (2016) Calcium aluminates in clinker remnants as marker phases for various types of 19th-century cement studied by Raman microspectroscopy. *European Journal of Mineralogy* 28, 907-914.
22. De Baets, K., Antonelli, A. and Donoghue, P.C.J. (2016) Tectonic blocks and molecular clocks. *Philos T R Soc B* 371.
23. Dera, G., Toumoulin, A. and De Baets, K. (2016) Diversity and morphological evolution of Jurassic belemnites from South Germany. *Palaeogeogr Palaeocl* 457, 80-97.
24. Dumperth, C., Rohn, J., Fler, A., Wang, J.G., Xiang, W. and Zimmermann, K. (2016a) An easy approach to assess the susceptibility of a landslide by utilizing simple raster overlay methods: A case study on Huangtupo landslide (P.R. China). *Journal of Mountain Science* 13, 1701-1710.
25. Dumperth, C., Rohn, J., Fler, A. and Xiang, W. (2016b) Local-scale assessment of the displacement pattern of a densely populated landslide, utilizing finite element software and terrestrial radar interferometry: a case study on Huangtupo landslide (P.R. China). *Environ Earth Sci* 75.
26. Ectors, D., Goetz-Neunhoeffler, F., Hergeth, W.D., Dietrich, U. and Neubauer, J. (2016) In situ 1H-TD-NMR: Quantification and microstructure development during the early hydration of alite and OPC. *Cement Concrete Res* 79, 366-372.
27. Ernst, A., Seuss, B., Taylor, P.D. and Nützel, A. (2016) Bryozoan fauna of the Boggy Formation (Deese Group, Pennsylvanian) of the Buckhorn Asphalt Quarry, Oklahoma, USA. *Palaeobiodiversity and Palaeoenvironments*, 1-24.
28. Faggetter, L.E., Wignall, P.B., Pruss, S.B., Sun, Y., Raine, R.J., Newton, R.J., Widdowson, M., Joachimski, M.M. and Smith, P.M. (2016) Sequence stratigraphy, chemostratigraphy and facies analysis of Cambrian Series 2 – Series 3 boundary strata in northwestern Scotland. *Geol Mag*, 1-13.
29. Filimonau, V. and Barth, J.A.C. (2016) From Global to Local and Vice Versa: On the Importance of the 'Globalization' Agenda in Continental Groundwater Research and Policy-Making. *Environ Manage* 58, 491-503.
30. Fürsich, F.T., Alberti, M., Pandey, D.K. and Rai, J. (2016a) Event beds or condensed unit? Analysis of a wood-log concentration in the Upper Jurassic of the Kachchh Basin, western India. *Palaeogeography, Palaeoclimatology, Palaeoecology*.
31. Fürsich, F.T. and Pan, Y. (2016) Diagenesis of bivalves from Jurassic and Lower Cretaceous lacustrine deposits of northeastern China. *Geol Mag* 153, 17-37.
32. Fürsich, F.T., Pan, Y., Wilmsen, M. and Majidifard, M.R. (2016b) Biofacies, taphonomy, and paleobiogeography of the Kamar-e-Mehdi formation of east-central Iran, a middle to upper Jurassic shelf lagoon deposit. *Facies* 62.
33. Fürsich, F.T. and Pan, Y.H. (2016) Diagenesis of bivalves from Jurassic and Lower Cretaceous lacustrine deposits of northeastern China. *Geol Mag* 153, 17-37.
34. Fürsich, F.T., Pan, Y.H. and Wang, Y.Q. (2016c) Biostratigraphy of bivalves from Jurassic and Early Cretaceous lakes of NE China. *Palaeoworld* 25, 399-405.
35. Fürsich, F.T., Pan, Y.H., Wilmsen, M. and Majidifard, M.R. (2016) Biofacies, taphonomy, and paleobiogeography of the Kamar-e-Mehdi Formation of east-central Iran, a Middle to Upper Jurassic shelf lagoon deposit. *Facies* 62.
36. García Molinos, J., Halpern, B.S., Schoeman, D.S., Brown, C.J., Kiessling, W., Moore, P.J., Pandolfi, J.M., Poloczanska, E.S., Richardson, A.J. and Burrows, M.T. (2016) Climate velocity and the future global redistribution of marine biodiversity. *Nat Clim Change* 6, 83-88.
37. Genske, F.S., Beier, C., Stracke, A., Turner, S.P., Pearson, N.J., Hauff, F., Schaefer, B.F. and Haase, K.M. (2016) Comparing the nature of the western and eastern Azores mantle. *Geochim Cosmochim Acta* 172, 76-92.
38. Goncalves, P., Brandt, S., Nicollet, C. and Tucker, R. (2016) Comment on "Evolution of high-pressure mafic granulites and pelitic gneisses from NE Madagascar: Tectonic implications". *Tectonophysics*, 662, 219-242 (2015) by Ishwar-Kumar et al. *Tectonophysics*.

39. Haase, K.M., Beier, C., Regelous, M., Rappich, V. and Renno, A. (2016a) Spatial variability of source composition and petrogenesis in rift and rift flank alkaline lavas from the Eger Rift, Central Europe. *Chem Geol.*
40. Haase, K.M., Brandl, P.A., Devey, C.W., Hauff, F., Melchert, B., Garbe-Schönberg, D., Kokfelt, T.F. and Paulick, H. (2016b) Compositional variation and ²²⁶Ra-²³⁰Th model ages of axial lavas from the southern Mid-Atlantic Ridge, 8°48'S. *Geochemistry, Geophysics, Geosystems* 17, 199-218.
41. Haase, K.M., Freund, S., Beier, C., Koepke, J., Erdmann, M. and Hauff, F. (2016c) Constraints on the magmatic evolution of the oceanic crust from plagiogranite intrusions in the Oman ophiolite. *Contrib Mineral Petr* 171.
42. Habermann, J.M., McHenry, L.J., Stollhofen, H., Tolosana-Delgado, R., Stanistreet, I.G. and Deino, A.L. (2016a) Discrimination, correlation, and provenance of Bed I tephrostratigraphic markers, Olduvai Gorge, Tanzania, based on multivariate analyses of phenocryst compositions. *Sedimentary Geology* 339, 115-133.
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44. Hertel, T., Neubauer, J. and Goetz-Neunhoeffler, F. (2016) Study of hydration potential and kinetics of the ferrite phase in iron-rich CAC. *Cement Concrete Res* 83, 79-85.
45. Hethke, M., Fürsich, F.T., Schneider, S. and Jiang, B. (2016) Sex determination of the Early Cretaceous clam shrimp *Eosestheria middendorffii* (Yixian Formation, China). *Lethaia*.
46. Hueller, F., Ectors, D., Neubauer, J. and Goetz-Neunhoeffler, F. (2016) Influence of crystallinity and surface area on the hydration kinetics of CA². *Cement Concrete Res* 89, 136-144.
47. Hurle, K., Christel, T., Gbureck, U., Moseke, C., Neubauer, J. and Goetz-Neunhoeffler, F. (2016a) Reaction kinetics of dual setting α -tricalcium phosphate cements. *Journal of Materials Science: Materials in Medicine* 27, 1-13.
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51. Jarochowska, E. and Munnecke, A. (2016) Late Wenlock carbon isotope excursions and associated conodont fauna in the Podlasie Depression, eastern Poland: a not-so-big crisis? *Geological Journal* 51, 683-703.
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