Lorenz Schwark

List of Publications by Year
in descending order

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162 papers	11,055 citations	31976 53 h-index	31849 101 g-index
175 all docs	175 docs citations	175 times ranked	10048 citing authors

#	Article	IF	Citations
1	Archaea predominate among ammonia-oxidizing prokaryotes in soils. Nature, 2006, 442, 806-809.	27.8	2,144
2	How relevant is recalcitrance for the stabilization of organic matter in soils?. Journal of Plant Nutrition and Soil Science, 2008, 171, 91-110.	1.9	586
3	Astronomical pacing of methane release in the Early Jurassic period. Nature, 2005, 437, 396-399.	27.8	395
4	The Posidonia Shale (Lower Toarcian) of SW-Germany: an oxygen-depleted ecosystem controlled by sea level and palaeoclimate. Palaeogeography, Palaeoclimatology, Palaeoecology, 2001, 165, 27-52.	2.3	359
5	Osmium isotope evidence for the regulation of atmospheric CO2 by continental weathering. Geology, 2004, 32, 157.	4.4	343
6	Hotspots of anaerobic ammonium oxidation at landâ€“freshwater interfaces. Nature Geoscience, 2013, 6, 103-107.	12.9	260
7	Reconstruction of postglacial to early Holocene vegetation history in terrestrial Central Europe via cuticular lipid biomarkers and pollen records from lake sediments. Geology, 2002, 30, 463.	4.4	233
8	Chemostratigraphy of the Posidonia Black Shale, SW-Germany. Chemical Geology, 2004, 206, 231-248.	3.3	199
9	Source and turnover of organic matter in agricultural soils derived from n-alkane/n-carboxylic acid compositions and C-isotope signatures. Organic Geochemistry, 2004, 35, 1371-1393.	1.8	188
10	Biomonitoring of air quality in the Cologne Conurbation using pine needles as a passive samplerâ€”Part II: polycyclic aromatic hydrocarbons (PAH). Atmospheric Environment, 2004, 38, 3793-3808.	4.1	187
11	Nitrification in terrestrial hot springs of Iceland and Kamchatka. FEMS Microbiology Ecology, 2008, 64, 167-174.	2.7	173
12	Sterane biomarkers as indicators of palaeozoic algal evolution and extinction events. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 240, 225-236.	2.3	158
13	Molecular indicators of palaeoenvironmental conditions in an immature Permian shale (Kupferschiefer, Lower Rhine Basin, north-west Germany) from free and S-bound lipids. Organic Geochemistry, 1996, 25, 131-147.	1.8	141
14	A multi-proxy approach to reconstruct hydrological changes and Holocene climate development of Nam Co, Central Tibet. Journal of Paleolimnology, 2010, 43, 625-648.	1.6	138
15	Temperature dependency of long-chain alkenone distributions in recent to fossil limnic sediments and in lake waters. Geochimica Et Cosmochimica Acta, 2001, 65, 253-265.	3.9	132
16	Analysis of late Palaeozoic glacial to postglacial sedimentary successions in South Africa by geochemical proxies â€“ Response to climate evolution and sedimentary environment. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 240, 184-203.	2.3	131
17	Cryosphere carbon dynamics control early Toarcian global warming and sea level evolution. Global and Planetary Change, 2019, 172, 440-453.	3.5	130
18	Chemostratigraphy of the Posidonia Black Shale, SW Germany. Chemical Geology, 2004, 206, 199-230.	3.3	120

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19	Biomonitoring of air quality in the Cologne conurbation using pine needles as a passive samplerâ€"Part I: magnetic properties. Atmospheric Environment, 2004, 38, 3781-3792.	4.1	117
20	Carbon, sulfur, oxygen and strontium isotope records, organic geochemistry and biostratigraphy across the Permian/Triassic boundary in Abadeh, Iran. International Journal of Earth Sciences, 2004, 93, 565.	1.8	117
21	Application of bacterial glycerol dialkyl glycerol tetraethers (GDGTs) to develop modern and past temperature estimates from New Zealand lakes. Organic Geochemistry, 2010, 41, 1060-1066.	1.8	116
22	Global changes during Carboniferousâ€"Permian glaciation of Gondwana: Linking polar and equatorial climate evolution by geochemical proxies. Geology, 2003, 31, 605.	4.4	113
23	Changes in palaeoenvironmental conditions during deposition of the Permian Kupferschiefer (Lower) Tj ETQq1 1 0.784314 rgBT /Over components. Organic Geochemistry, 1997, 26, 677-690.	1.8	111
24	High-resolution geochemistry and sequence stratigraphy of the Hushpuckney Shale (Swope) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 T Pennsylvanian Midcontinent Seaway. Chemical Geology, 2004, 206, 259-288.	3.3	111
25	Palaeoenvironmental reconstruction of Lower Toarcian epicontinental black shales (Posidonia Shale,) Tj ETQq1 1 0.784314 rgBT /Ove	1.4	104
26	Organic geochemistry and mineralogy. I. Characterisation of organic matter associated with metal deposits. Ore Geology Reviews, 2013, 50, 1-27.	2.7	96
27	Accumulation histories of magnetic particles on pine needles as function of air quality. Atmospheric Environment, 2006, 40, 7082-7096.	4.1	92
28	Maleimides (1H-pyrrole-2,5-diones) as molecular indicators of anoxygenic photosynthesis in ancient water columns. Geochimica Et Cosmochimica Acta, 1996, 60, 3913-3924.	3.9	91
29	Geochemical characterization of Malm Zeta laminated carbonates from the Franconian Alb, SW-Germany (II). Organic Geochemistry, 1998, 29, 1921-1952.	1.8	89
30	A 15,000-year stable isotope record from sediments of Lake Steisslingen, Southwest Germany. Chemical Geology, 1999, 161, 315-337.	3.3	89
31	Towards reconstruction of past fire regimes from geochemical analysis of charcoal. Organic Geochemistry, 2013, 55, 11-21.	1.8	89
32	Thermal degradation of rye and maize straw: Lipid pattern changes as a function of temperature. Organic Geochemistry, 2009, 40, 167-174.	1.8	88
33	An open ocean record of the Toarcian oceanic anoxic event. Solid Earth, 2011, 2, 245-257.	2.8	87
34	The carbon count of 2000Âyears of rice cultivation. Global Change Biology, 2013, 19, 1107-1113.	9.5	85
35	Changes in ocean denitrification duringÂLate Carboniferous glacialâ€"interglacialÂcycles. Nature Geoscience, 2008, 1, 709-714.	12.9	82
36	A novel sequential extraction system for whole core plug extraction in a solvent flow-through cell â€" application to extraction of residual petroleum from an intact pore-system in secondary migration studies. Organic Geochemistry, 1997, 26, 19-31.	1.8	79

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37	Anammox and denitrification separately dominate microbial N-loss in water saturated and unsaturated soils horizons of riparian zones. Water Research, 2019, 162, 139-150.	11.3	78
38	An interlaboratory study of TEX₈₆ and BIT analysis of sediments, extracts, and standard mixtures. Geochemistry, Geophysics, Geosystems, 2013, 14, 5263-5285.	2.5	76
39	Accelerated soil formation due to paddy management on marshlands (Zhejiang Province, China). Geoderma, 2014, 228-229, 67-89.	5.1	76
40	Carbonâ€“sulfurâ€“iron relationships and Î´13C of organic matter for late Albian sedimentary rocks from the North Atlantic Ocean: paleoceanographic implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 2000, 163, 97-113.	2.3	75
41	Improved automated extraction and separation procedure for soil lipid analyses. European Journal of Soil Science, 2004, 55, 349-356.	3.9	68
42	Exceptional preservation of Palaeozoic steroids in a diagenetic continuum. Scientific Reports, 2013, 3, 2768.	3.3	67
43	Î´13C of terrestrial vegetation records Toarcian CO2 and climate gradients. Scientific Reports, 2020, 10, 117.	3.3	66
44	Complexity of Soil Organic Matter: AMS 14C Analysis of Soil Lipid Fractions and Individual Compounds. Radiocarbon, 2004, 46, 465-473.	1.8	65
45	Aromatic hydrocarbon composition of the Permian Kupferschiefer in the Lower Rhine Basin, NW Germany. Organic Geochemistry, 1990, 16, 749-761.	1.8	64
46	Correlation between hydrogen isotope ratios of lipid biomarkers and sediment maturity. Geochimica Et Cosmochimica Acta, 2005, 69, 5517-5530.	3.9	64
47	Chronology of the Early Toarcian environmental crisis in the Lorraine Sub-Basin (NE Paris Basin). Earth and Planetary Science Letters, 2014, 404, 273-282.	4.4	61
48	Environmental response to the early Toarcian carbon cycle and climate perturbations in the northeastern part of the West Tethys shelf. Gondwana Research, 2018, 59, 144-158.	6.0	59
49	Novel triterpene-derived hydrocarbons of arborane/fernane series in sediments. Part I.. Tetrahedron, 1992, 48, 3915-3924.	1.9	56
50	Community dynamics of anaerobic bacteria in deep petroleum reservoirs. Nature Geoscience, 2008, 1, 588-591.	12.9	55
51	Molecular paleothermometry of the early Toarcian climate perturbation. Global and Planetary Change, 2020, 195, 103351.	3.5	55
52	Anaerobic ammonium oxidation is a major N-sink in aquifer systems around the world. ISME Journal, 2020, 14, 151-163.	9.8	54
53	Biomonitoring airborne parent and alkylated three-ring PAHs in the Greater Cologne Conurbation I: Temporal accumulation patterns. Environmental Pollution, 2009, 157, 1323-1331.	7.5	53
54	Introducing an improved multi-proxy approach for paleoenvironmental reconstruction of loessâ€“paleosol archives applied on the Late Pleistocene Nussloch sequence (SW Germany). Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 410, 300-315.	2.3	53

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55	Towards a more labor-saving way in microbial ammonium oxidation: A review on complete ammonia oxidization (comammox). Science of the Total Environment, 2022, 829, 154590.	8.0	53
56	Changes of palaeoenvironmental conditions recorded in Late Devonian reef systems from the Canning Basin, Western Australia: A biomarker and stable isotope approach. Gondwana Research, 2015, 28, 1500-1515.	6.0	52
57	Resuscitation of anammox bacteria after >10,000 years of dormancy. ISME Journal, 2019, 13, 1098-1109.	9.8	51
58	Characterisation of sedimentary organic matter by bulk and molecular geochemical proxies: an example from Oligocene maar-type Lake Enspel, Germany. Sedimentary Geology, 2002, 148, 275-288.	2.1	50
59	Carboxylic acid distribution patterns of temperate C3 and C4 crops. Organic Geochemistry, 2006, 37, 1973-1982.	1.8	48
60	Molecular proxies as indicators of freshwater incursion-driven salinity stratification. Chemical Geology, 2015, 409, 61-68.	3.3	48
61	Plant and soil lipid modifications under elevated atmospheric CO2 conditions: I. Lipid distribution patterns. Organic Geochemistry, 2008, 39, 91-102.	1.8	46
62	Plant and soil lipid modification under elevated atmospheric CO2 conditions: II. Stable carbon isotopic values (Î´13C) and turnover. Organic Geochemistry, 2008, 39, 103-117.	1.8	45
63	Biomonitoring of air quality in the Cologne Conurbation using pine needles as a passive sampler â€“ Part III: Major and trace elements. Atmospheric Environment, 2010, 44, 2822-2829.	4.1	45
64	Macroecology of methaneâ€oxidizing bacteria: the Î²â€diversity of pmoA genotypes in tropical and subtropical rice paddies. Environmental Microbiology, 2014, 16, 72-83.	3.8	45
65	Results from a Multi-disciplinary Sedimentary Pilot Study of Tectonic Lake Iznik (NW Turkey) â€“ Geochemistry and Paleolimnology of the Recent Past. Journal of Paleolimnology, 2006, 35, 715-736.	1.6	42
66	Accumulation histories of major and trace elements on pine needles in the Cologne Conurbation as function of air quality. Atmospheric Environment, 2008, 42, 833-845.	4.1	42
67	Microbial life in the nascent Chicxulub crater. Geology, 2020, 48, 328-332.	4.4	40
68	Distribution of glycerol ether lipids in halophilic, methanogenic and hyperthermophilic archaea. Organic Geochemistry, 2015, 83-84, 101-108.	1.8	39
69	Abundance and Functional Importance of Complete Ammonia Oxidizers and Other Nitrifiers in a Riparian Ecosystem. Environmental Science & Technology, 2021, 55, 4573-4584.	10.0	38
70	Assessing the quantitative reliability of solid-state 13C NMR spectra of kerogens across a gradient of thermal maturity. Solid State Nuclear Magnetic Resonance, 2006, 29, 312-321.	2.3	37
71	Source and turnover of organic matter in agricultural soils derived from n-alkane/n-carboxylic acid compositions and C-isotope signatures. Organic Geochemistry, 2004, 35, 1371-1393.	1.8	37
72	Geochemical signature and related climatic-oceanographic processes for early Albian black shales: Site 417D, North Atlantic Ocean. Cretaceous Research, 2001, 22, 243-257.	1.4	34

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73	Black shale formation during the Latest Danian Event and the Paleoceneâ€“Eocene Thermal Maximum in central Egypt: Two of a kind?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 371, 9-25.	2.3	34
74	Biomonitoring airborne parent and alkylated three-ring PAHs in the Greater Cologne Conurbation II: Regional distribution patterns. Environmental Pollution, 2009, 157, 1706-1713.	7.5	33
75	Microbially-mediated fossil-bearing carbonate concretions and their significance for palaeoenvironmental reconstructions: A multi-proxy organic and inorganic geochemical appraisal. Chemical Geology, 2016, 426, 95-108.	3.3	32
76	Palaeobiology of red and white blood cell-like structures, collagen and cholesterol in an ichthyosaur bone. Scientific Reports, 2017, 7, 13776.	3.3	31
77	Geochemical investigation of the lower Cambrian mineralised black shales of South China and the late Devonian Nick deposit, Canada. Ore Geology Reviews, 2018, 94, 396-413.	2.7	31
78	Isoarborinol through geological times: Evidence for its presence in the Permian and Triassic. Organic Geochemistry, 1995, 23, 91-93.	1.8	30
79	Unstable early-Holocene climatic and environmental conditions in northwestern Russia derived from a multidisciplinary study of a lake-sediment sequence from Pichozero, southeastern Russian Karelia. Holocene, 2004, 14, 732-746.	1.7	30
80	Use of molecular ratios to identify changes in fatty acid composition of MiscanthusÃ—giganteus (Greef) Tj ETQq0 0 0 rgBT /Overlock 10 Geochemistry, 2012, 46, 1-11.	1.8	30
81	OILâ€PRONE LOWER CARBONIFEROUS COALS IN THE NORWEGIAN BARENTS SEA: IMPLICATIONS FOR A PALAEOZOIC PETROLEUM SYSTEM. Journal of Petroleum Geology, 2010, 33, 155-181.	1.5	29
82	Late Quaternary water temperature variations of the Northwest Pacific based on the lipid paleothermometers TEXH86, UKÂ´37 and LDI. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 125, 81-93.	1.4	28
83	Molecular memory effects recording the accumulation history of petroleum reservoirs: A case study of the Heidrun Field, offshore Norway. Marine and Petroleum Geology, 2007, 24, 199-220.	3.3	27
84	Radiolytic alteration of biopolymers in the Mulga Rock (Australia) uranium deposit. Applied Geochemistry, 2015, 52, 97-108.	3.0	27
85	Mineral and chemostratigraphy of a Toarcian black shale hosting Mn-carbonate microbialites (ÃšrkÃºt,) Tj ETQq1 1 0.784314 rgBT /Ov	2.3	27
86	Simultaneous quantitative analysis of Ni, VO, Cu, Zn and Mn geoporphyrins by liquid chromatography-high resolution multistage mass spectrometry: Method development and validation. Chemical Geology, 2016, 441, 81-91.	3.3	27
87	Lipid biomarker signatures as tracers for harmful cyanobacterial blooms in the Baltic Sea. PLoS ONE, 2017, 12, e0186360.	2.5	26
88	Drivers of benthic extinction during the early Toarcian (Early Jurassic) at the northern Gondwana paleomargin: Implications for paleoceanographic conditions. Earth-Science Reviews, 2020, 203, 103117.	9.1	26
89	Geological conditions and geochemical effects of secondary petroleum migration and accumulation. Marine and Petroleum Geology, 2000, 17, 857-859.	3.3	25
90	Alkyl C and hydrophobicity in B and C horizons of an acid forest soil. Journal of Plant Nutrition and Soil Science, 2004, 167, 685-692.	1.9	25

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91	Extractable lipid contents and colour in particle-size separates and bulk arable soils. European Journal of Soil Science, 2006, 57, 634-643.	3.9	22
92	Comparison of lipid biomarker and gene abundance characterizing the archaeal ammonia-oxidizing community in flooded soils. Biology and Fertility of Soils, 2011, 47, 839-843.	4.3	22
93	Temperature induced changes in the heterocyst glycolipid composition of N2 fixing heterocystous cyanobacteria. Organic Geochemistry, 2014, 69, 98-105.	1.8	22
94	Characterization of the sedimentary organic matter preserved in Messel oil shale by bulk geochemistry and stable isotopes. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 410, 390-400.	2.3	22
95	The application of compound-specific sulfur isotopes to the oilâ€“source rock correlation of Kurdistan petroleum. Organic Geochemistry, 2018, 117, 22-30.	1.8	22
96	Temporal resolution of an oil charging history â€“ A case study of residual oil benzocarbazoles from the Gidgealpa Field. Organic Geochemistry, 2007, 38, 1516-1536.	1.8	21
97	Reconstruction of palaeohydrological conditions in a lagoon during the 2nd Zechstein cycle through simultaneous use of ?D values of individual n-alkanes and ?18O and ?13C values of carbonates. International Journal of Earth Sciences, 2004, 93, 554.	1.8	20
98	Methane release in the Early Jurassic period (Reply). Nature, 2006, 441, E5-E6.	27.8	20
99	Genesis and Evolution of Bitumen in Lower Cretaceous Lavas and Implications for Strata-bound Copper Deposits, North Chile. Economic Geology, 2008, 103, 387-404.	3.8	20
100	Intra- versus inter-site macroscale variation in biogeochemical properties along a paddy soil chronosequence. Biogeosciences, 2012, 9, 1237-1251.	3.3	19
101	Distribution of long chain heterocyst glycolipids in N2-fixing cyanobacteria of the order Stigonematales. Phytochemistry, 2014, 98, 145-150.	2.9	19
102	Seasonal lake surface water temperature trends reflected by heterocyst glycolipid-based molecular thermometers. Biogeosciences, 2015, 12, 3741-3751.	3.3	19
103	Multiproxy reconstruction of oceanographic conditions in the southern epeiric Kupferschiefer Sea (Late Permian) based on redox-sensitive trace elements, molybdenum isotopes and biomarkers. Gondwana Research, 2017, 44, 205-218.	6.0	19
104	Isotope and elemental geochemistry of black shaleâ€hosted fossiliferous concretions from the Cretaceous Santana Formation fossil LagerstÃtte (Brazil). Sedimentology, 2017, 64, 150-167.	3.1	19
105	Organic geochemistry and paleoenvironment of the Early Eocene â€œPesciara di Bolcaâ€• Konservat-LagerstÃtte, Italy. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 273, 272-285.	2.3	18
106	A refined paleotemperature calibration for New Zealand limnic environments using differentiation of branched glycerol dialkyl glycerol tetraether (brGDGT) sources. Journal of Quaternary Science, 2016, 31, 823-835.	2.1	18
107	Tracing organic carbon and microbial community structure in mineralogically different soils exposed to redox fluctuations. Biogeochemistry, 2019, 143, 31-54.	3.5	18
108	A review of the latest Cenomanian to Maastrichtian geological evolution of Nigeria and its stratigraphic and paleogeographic implications. Journal of African Earth Sciences, 2019, 150, 823-837.	2.0	18

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109	Toarcian climate and carbon cycle perturbations â€“ its impact on sea-level changes, enhanced mobilization and oxidation of fossil organic matter. Earth and Planetary Science Letters, 2020, 546, 116417.	4.4	17
110	Earthworms, Darwin and prehistoric agriculture-Chernozem genesis reconsidered. Geoderma, 2022, 409, 115607.	5.1	17
111	Life and death in the Chicxulub impact crater: a record of the Paleoceneâ€“Eocene Thermal Maximum. Climate of the Past, 2020, 16, 1889-1899.	3.4	16
112	New evidence of Holocene atmospheric circulation dynamics based on lake sediments from southern Sweden: a link to the Siberian High. Quaternary Science Reviews, 2013, 77, 113-124.	3.0	15
113	The chemistry of death â€“ Adipocere degradation in modern graveyards. Forensic Science International, 2015, 257, 320-328.	2.2	15
114	Distribution of tetraether lipids in agricultural soils â€“ differentiation between paddy and upland management. Biogeosciences, 2016, 13, 1647-1666.	3.3	14
115	Organic matter composition in the sediment of three Brazilian coastal lagoons: district of MacaÃ©, Rio de Janeiro (Brazil). Anais Da Academia Brasileira De Ciencias, 2004, 76, 29-47.	0.8	13
116	Geochemical and organic petrological characterization of the organic matter of lacustrine Eocene oil shales (Prinz von Hessen, Germany): reconstruction of the depositional environment. Journal of Paleolimnology, 2005, 33, 155-168.	1.6	13
117	A pyrolysis and stable isotopic approach to investigate the origin of methyltrimethyltridecylchromans (MTTCs). Organic Geochemistry, 2013, 61, 1-5.	1.8	13
118	Heterocyte glycolipids indicate polyphyly of stigonematalean cyanobacteria. Phytochemistry, 2019, 166, 112059.	2.9	13
119	The Expulsinator versus conventional pyrolysis: The differences of oil/gas generation and expulsion simulation under near-natural conditions. Marine and Petroleum Geology, 2020, 117, 104412.	3.3	13
120	Plant lipid composition is not affected by shortâ€term isotopic (¹³C) pulseâ€labelling experiments. Journal of Plant Nutrition and Soil Science, 2009, 172, 445-453.	1.9	12
121	Chemotaxonomy and diagenesis of aliphatic hydrocarbons in rice plants and soils from land reclamation areas in the Zhejiang Province, China. Organic Geochemistry, 2015, 83-84, 215-226.	1.8	12
122	Holocene soil erosion in Eastern Europe-land use and/or climate controlled? The example of a catchment at the Giant Chalcolithic settlement at Maidanetske, central Ukraine. Geomorphology, 2020, 367, 107302.	2.6	12
123	Use of biological marker distributions to study thermal history of the Permian Kupferschiefer of the Lower Rhine Basin. International Journal of Earth Sciences, 1989, 78, 411-426.	1.8	11
124	Inland navigation: PAH inventories in soil and vegetation after EU fuel regulation 2009/30/EC. Science of the Total Environment, 2017, 584-585, 19-28.	8.0	11
125	Epicuticular wax lipid composition of endemic European Betula species in a simulated ontogenetic/diagenetic continuum and its application to chemotaxonomy and paleobotany. Science of the Total Environment, 2020, 730, 138324.	8.0	10
126	Grave gifts manifest the ritual status of cattle in Neolithic societies of northern Germany. Journal of Archaeological Science, 2020, 117, 105122.	2.4	10

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127	Glycerol monoalkanediol diethers: a novel series of archaeal lipids detected in hydrothermal environments. Rapid Communications in Mass Spectrometry, 2016, 30, 54-60.	1.5	9
128	Campano-Maastrichtian paleoenvironment, paleotectonics and sediment provenance of western Anambra Basin, Nigeria: Multi-proxy evidences from the Mamu Formation. Journal of African Earth Sciences, 2019, 156, 203-239.	2.0	9
129	Impact of a northern-hemispherical cryosphere on late Pliensbachianâ€“early Toarcian climate and environment evolution. Geological Society Special Publication, 2021, 514, 359-385.	1.3	9
130	Accumulation and mixing of hydrocarbons in oil fields along the Murteree Ridge, Eromanga Basin, South Australia. Organic Geochemistry, 2004, 35, 1597-1618.	1.8	8
131	Reply to the comment by Boulila and Hinnov towards â€œChronology of the Early Toarcian environmental crisis in the Lorraine Sub-Basin (NE Paris Basin)â€•by W. Ruebsam, P. MÃ¼nzberger, and L. Schwark [Earth and Planetary Science Letters 404 (2014) 273â€“282]. Earth and Planetary Science Letters, 2015, 416, 147-150.	4.4	8
132	Source and depth translocation of combustion residues in Chinese agroecosystems determined from parallel polycyclic aromatic hydrocarbon (PAH) and black carbon (BC) analysis. Organic Geochemistry, 2016, 98, 27-37.	1.8	8
133	The onset of the Early Toarcian flooding of the Pliensbachian carbonate platform of central Tunisia (northâ€“south axis) as inferred from trace fossils and geochemistry. Geological Society Special Publication, 2021, 514, 213-238.	1.3	8
134	Expulsinator assessment of oil/ gas generation and expulsion characteristics of different source rocks. Marine and Petroleum Geology, 2021, 129, 105057.	3.3	8
135	Evidence for widespread wildfires and their environmental impact in the Late Cretaceous Canadian Arctic. Global and Planetary Change, 2021, 203, 103515.	3.5	8
136	Molecular fossils and calcareous nannofossils reveal recurrent phytoplanktonic events in the early Toarcian. Global and Planetary Change, 2022, 212, 103812.	3.5	8
137	Organic matter from the Bunte Breccia of the Ries Crater, southern Germany: investigating possible thermal effects of the impact. Planetary and Space Science, 2001, 49, 845-851.	1.7	7
138	Exceptional preservation of microbial lipids in Paleozoic to Mesoproterozoic sediments. Geology, 2013, 41, 287-288.	4.4	7
139	The Expulsinator device: A new approach for a lab-scaled, near-natural generation- and expulsion simulation. Journal of Petroleum Science and Engineering, 2019, 177, 69-78.	4.2	6
140	A heterocyte glycolipid-based calibration to reconstruct past continental climate change. Nature Communications, 2021, 12, 2406.	12.8	6
141	Organic carbon accumulation at the northern Gondwana paleomargin (Tunisia) during the Toarcian Oceanic Anoxic Event: Sedimentological and geochemical evidence. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 586, 110781.	2.3	6
142	Nature of dispersed organic matter and paleoxygenation of the Campano-Maastrichtian dark mudstone unit, Benin flank, western Anambra Basin: Implications for Maastrichtian Trans-Saharan seaway paleoceanographic conditions. Journal of African Earth Sciences, 2020, 162, 103654.	2.0	5
143	Porosity and Pore Connectivity in Immature and Artificially Matured Source Rock Using BIB-SEM, WMI and MIP. , 2016, , .		5
144	Coupled oceanic effects of climatic cycles from late Albian deep-sea sections of the North Atlantic. , 1999, , .		4

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145	Erratum to â€œThe Posidonia Shale (Lower Toarcian) of SW-Germany: an oxygen-depleted ecosystem controlled by sea level and palaeoclimateâ€• Palaeogeography, Palaeoclimatology, Palaeoecology, 2001, 169, 271.	2.3	4
146	The diagenetic continuum of hopanoid hydrocarbon transformation from early diagenesis into the oil window. Geochimica Et Cosmochimica Acta, 2021, 308, 136-156.	3.9	4
147	Spatial distribution of soil organic matter in two fields on tidal flat sediments (Zhejiang Province,) Tj ETQq1 1 0.784314 rgBT /Overloc 178, 649-657.	1.9	3
148	1-Chloro- n -alkanes: Potential mangrove and saltmarsh vegetation biomarkers. Organic Geochemistry, 2017, 107, 54-58.	1.8	3
149	Aromatic hydrocarbons provide new insight into carbonate concretion formation and the impact of eogenesis on organic matter. Organic Geochemistry, 2020, 143, 103961.	1.8	3
150	Exploring short-term ecosystem dynamics in connection with the Early Holocene Saksunarvatn Ash fallout over continental Europe. Quaternary Science Reviews, 2021, 253, 106772.	3.0	3
151	A multiphasic Younger Dryas cold period recorded in sediments of Lake Steisslingen, SW-Germany: A biomarker perspective. Quaternary International, 2020, 542, 121-136.	1.5	2
152	Experimental Simulation Of Hydrocarbon Expulsion. , 2014, , .		2
153	Stratification and productivity in the Western Tethys (NW Algeria) during early Toarcian. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 591, 110864.	2.3	2
154	Paleoenvironmental evolution during the Early Eocene Climate Optimum in the Chicxulub impact crater. Earth and Planetary Science Letters, 2022, 589, 117589.	4.4	2
155	A methodology for combined palynological and molecular geochemical high-resolution analysis of lake sediments. Review of Palaeobotany and Palynology, 2003, 126, 131-144.	1.5	1
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