

# Lorenz Schwark

## List of Publications by Year in descending order

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162  
papers

11,055  
citations

31976

53  
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31849

101  
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175  
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175  
docs citations

175  
times ranked

10048  
citing authors

#	ARTICLE	IF	CITATIONS
1	Earthworms, Darwin and prehistoric agriculture-Chernozem genesis reconsidered. <i>Geoderma</i> , 2022, 409, 115607.	5.1	17
2	Organic carbon accumulation at the northern Gondwana paleomargin (Tunisia) during the Toarcian Oceanic Anoxic Event: Sedimentological and geochemical evidence. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 586, 110781.	2.3	6
3	Stratification and productivity in the Western Tethys (NW Algeria) during early Toarcian. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 591, 110864.	2.3	2
4	Molecular fossils and calcareous nannofossils reveal recurrent phytoplanktonic events in the early Toarcian. <i>Global and Planetary Change</i> , 2022, 212, 103812.	3.5	8
5	Towards a more labor-saving way in microbial ammonium oxidation: A review on complete ammonia oxidization (comammox). <i>Science of the Total Environment</i> , 2022, 829, 154590.	8.0	53
6	Palladium-Catalyzed Synthesis of Alkylcarbazoles and Their Identification in Petroleum and Source Rocks**. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	1
7	Paleoenvironmental evolution during the Early Eocene Climate Optimum in the Chicxulub impact crater. <i>Earth and Planetary Science Letters</i> , 2022, 589, 117589.	4.4	2
8	Exploring short-term ecosystem dynamics in connection with the Early Holocene Saksunarvatn Ash fallout over continental Europe. <i>Quaternary Science Reviews</i> , 2021, 253, 106772.	3.0	3
9	Abundance and Functional Importance of Complete Ammonia Oxidizers and Other Nitrifiers in a Riparian Ecosystem. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4573-4584.	10.0	38
10	A heterocyte glycolipid-based calibration to reconstruct past continental climate change. <i>Nature Communications</i> , 2021, 12, 2406.	12.8	6
11	Impact of a northern-hemispherical cryosphere on late Pliensbachian-early Toarcian climate and environment evolution. <i>Geological Society Special Publication</i> , 2021, 514, 359-385.	1.3	9
12	The onset of the Early Toarcian flooding of the Pliensbachian carbonate platform of central Tunisia (north-south axis) as inferred from trace fossils and geochemistry. <i>Geological Society Special Publication</i> , 2021, 514, 213-238.	1.3	8
13	Expulsinator assessment of oil/ gas generation and expulsion characteristics of different source rocks. <i>Marine and Petroleum Geology</i> , 2021, 129, 105057.	3.3	8
14	Evidence for widespread wildfires and their environmental impact in the Late Cretaceous Canadian Arctic. <i>Global and Planetary Change</i> , 2021, 203, 103515.	3.5	8
15	The diagenetic continuum of hopanoid hydrocarbon transformation from early diagenesis into the oil window. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 308, 136-156.	3.9	4
16	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. <i>Journal of African Earth Sciences</i> , 2020, 162, 103654.	2.0	5
17	Anaerobic ammonium oxidation is a major N-sink in aquifer systems around the world. <i>ISME Journal</i> , 2020, 14, 151-163.	9.8	54
18	$\delta^{13}\text{C}$ of terrestrial vegetation records Toarcian CO <sub>2</sub> and climate gradients. <i>Scientific Reports</i> , 2020, 10, 117.	3.3	66

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19	Heterocyte glycolipid diketones: A novel type of biomarker in the N <sub>2</sub> -fixing heterocytous cyanobacterium <i>Microchaete</i> sp.. <i>Organic Geochemistry</i> , 2020, 141, 103976.	1.8	1
20	Aromatic hydrocarbons provide new insight into carbonate concretion formation and the impact of eogenesis on organic matter. <i>Organic Geochemistry</i> , 2020, 143, 103961.	1.8	3
21	Molecular paleothermometry of the early Toarcian climate perturbation. <i>Global and Planetary Change</i> , 2020, 195, 103351.	3.5	55
22	The Expulsinator versus conventional pyrolysis: The differences of oil/gas generation and expulsion simulation under near-natural conditions. <i>Marine and Petroleum Geology</i> , 2020, 117, 104412.	3.3	13
23	Epicuticular wax lipid composition of endemic European <i>Betula</i> species in a simulated ontogenetic/diagenetic continuum and its application to chemotaxonomy and paleobotany. <i>Science of the Total Environment</i> , 2020, 730, 138324.	8.0	10
24	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. <i>Geomorphology</i> , 2020, 367, 107302.	2.6	12
25	Grave gifts manifest the ritual status of cattle in Neolithic societies of northern Germany. <i>Journal of Archaeological Science</i> , 2020, 117, 105122.	2.4	10
26	Toarcian climate and carbon cycle perturbations – its impact on sea-level changes, enhanced mobilization and oxidation of fossil organic matter. <i>Earth and Planetary Science Letters</i> , 2020, 546, 116417.	4.4	17
27	Drivers of benthic extinction during the early Toarcian (Early Jurassic) at the northern Gondwana paleomargin: Implications for paleoceanographic conditions. <i>Earth-Science Reviews</i> , 2020, 203, 103117.	9.1	26
28	Microbial life in the nascent Chicxulub crater. <i>Geology</i> , 2020, 48, 328-332.	4.4	40
29	A multiphasic Younger Dryas cold period recorded in sediments of Lake Steisslingen, SW-Germany: A biomarker perspective. <i>Quaternary International</i> , 2020, 542, 121-136.	1.5	2
30	Life and death in the Chicxulub impact crater: a record of the Paleocene–Eocene Thermal Maximum. <i>Climate of the Past</i> , 2020, 16, 1889-1899.	3.4	16
31	Heterocyte glycolipids indicate polyphyly of stigonematalean cyanobacteria. <i>Phytochemistry</i> , 2019, 166, 112059.	2.9	13
32	Anammox and denitrification separately dominate microbial N-loss in water saturated and unsaturated soils horizons of riparian zones. <i>Water Research</i> , 2019, 162, 139-150.	11.3	78
33	The Expulsinator device: A new approach for a lab-scaled, near-natural generation- and expulsion simulation. <i>Journal of Petroleum Science and Engineering</i> , 2019, 177, 69-78.	4.2	6
34	Campano-Maastrichtian paleoenvironment, paleotectonics and sediment provenance of western Anambra Basin, Nigeria: Multi-proxy evidences from the Mamu Formation. <i>Journal of African Earth Sciences</i> , 2019, 156, 203-239.	2.0	9
35	Tracing organic carbon and microbial community structure in mineralogically different soils exposed to redox fluctuations. <i>Biogeochemistry</i> , 2019, 143, 31-54.	3.5	18
36	Cryosphere carbon dynamics control early Toarcian global warming and sea level evolution. <i>Global and Planetary Change</i> , 2019, 172, 440-453.	3.5	130

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37	A review of the latest Cenomanian to Maastrichtian geological evolution of Nigeria and its stratigraphic and paleogeographic implications. <i>Journal of African Earth Sciences</i> , 2019, 150, 823-837.	2.0	18
38	Resuscitation of anammox bacteria after >10,000 years of dormancy. <i>ISME Journal</i> , 2019, 13, 1098-1109.	9.8	51
39	Epicuticular wax lipid composition of <i>Betula</i> species and its chemotaxonomic significance. , 2019, , .		0
40	Geochromatographic Separation of Organic Tracers Using a Natural Draupne (Kimmeridge Clay) Source Rock Column. , 2019, , .		0
41	Cyanobacteria and Anoxia in the Baltic Sea: High-Resolution Community Profiling. , 2019, , .		0
42	Organic-Inorganic Interactions in Metalliferous Shales of the Kupferschiefer Deposit. , 2019, , .		0
43	Environmental response to the early Toarcian carbon cycle and climate perturbations in the northeastern part of the West Tethys shelf. <i>Gondwana Research</i> , 2018, 59, 144-158.	6.0	59
44	Geochemical investigation of the lower Cambrian mineralised black shales of South China and the late Devonian Nick deposit, Canada. <i>Ore Geology Reviews</i> , 2018, 94, 396-413.	2.7	31
45	The application of compound-specific sulfur isotopes to the oil-source rock correlation of Kurdistan petroleum. <i>Organic Geochemistry</i> , 2018, 117, 22-30.	1.8	22
46	Inland navigation: PAH inventories in soil and vegetation after EU fuel regulation 2009/30/EC. <i>Science of the Total Environment</i> , 2017, 584-585, 19-28.	8.0	11
47	Late Quaternary water temperature variations of the Northwest Pacific based on the lipid paleothermometers TEX <sub>86</sub> , U <sub>K</sub> 37 and LDI. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 125, 81-93.	1.4	28
48	1-Chloro- <i>n</i> -alkanes: Potential mangrove and saltmarsh vegetation biomarkers. <i>Organic Geochemistry</i> , 2017, 107, 54-58.	1.8	3
49	Multiproxy reconstruction of oceanographic conditions in the southern epeiric Kupferschiefer Sea (Late Permian) based on redox-sensitive trace elements, molybdenum isotopes and biomarkers. <i>Gondwana Research</i> , 2017, 44, 205-218.	6.0	19
50	Palaeobiology of red and white blood cell-like structures, collagen and cholesterol in an ichthyosaur bone. <i>Scientific Reports</i> , 2017, 7, 13776.	3.3	31
51	Isotope and elemental geochemistry of black shale-hosted fossiliferous concretions from the Cretaceous Santana Formation fossil Lagerstätte (Brazil). <i>Sedimentology</i> , 2017, 64, 150-167.	3.1	19
52	Lipid biomarker signatures as tracers for harmful cyanobacterial blooms in the Baltic Sea. <i>PLoS ONE</i> , 2017, 12, e0186360.	2.5	26
53	Distribution of tetraether lipids in agricultural soils - differentiation between paddy and upland management. <i>Biogeosciences</i> , 2016, 13, 1647-1666.	3.3	14
54	Source and depth translocation of combustion residues in Chinese agroecosystems determined from parallel polycyclic aromatic hydrocarbon (PAH) and black carbon (BC) analysis. <i>Organic Geochemistry</i> , 2016, 98, 27-37.	1.8	8

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55	Glycerol monoalkanediol diethers: a novel series of archaeal lipids detected in hydrothermal environments. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 54-60.	1.5	9
56	Mineral and chemostratigraphy of a Toarcian black shale hosting Mn-carbonate microbialites (ÅšrkÅšt,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.3	27
57	Simultaneous quantitative analysis of Ni, VO, Cu, Zn and Mn geoporphyrins by liquid chromatography-high resolution multistage mass spectrometry: Method development and validation. <i>Chemical Geology</i> , 2016, 441, 81-91.	3.3	27
58	A refined paleotemperature calibration for New Zealand limnic environments using differentiation of branched glycerol dialkyl glycerol tetraether (brGDGT) sources. <i>Journal of Quaternary Science</i> , 2016, 31, 823-835.	2.1	18
59	Microbially-mediated fossil-bearing carbonate concretions and their significance for palaeoenvironmental reconstructions: A multi-proxy organic and inorganic geochemical appraisal. <i>Chemical Geology</i> , 2016, 426, 95-108.	3.3	32
60	Porosity and Pore Connectivity in Immature and Artificially Matured Source Rock Using BIB-SEM, WMI and MIP. , 2016, , .		5
61	Seasonal lake surface water temperature trends reflected by heterocyst glycolipid-based molecular thermometers. <i>Biogeosciences</i> , 2015, 12, 3741-3751.	3.3	19
62	Molecular proxies as indicators of freshwater incursion-driven salinity stratification. <i>Chemical Geology</i> , 2015, 409, 61-68.	3.3	48
63	Reply to the comment by Boulila and Hinnov towards ‘‘Chronology of the Early Toarcian environmental crisis in the Lorraine Sub-Basin (NE Paris Basin)’’ by W. Ruebsam, P. MÅ¼nzberger, and L. Schwark [ <i>Earth and Planetary Science Letters</i> 404 (2014) 273-282]. <i>Earth and Planetary Science Letters</i> , 2015, 416, 147-150.	4.4	8
64	Chemotaxonomy and diagenesis of aliphatic hydrocarbons in rice plants and soils from land reclamation areas in the Zhejiang Province, China. <i>Organic Geochemistry</i> , 2015, 83-84, 215-226.	1.8	12
65	Distribution of glycerol ether lipids in halophilic, methanogenic and hyperthermophilic archaea. <i>Organic Geochemistry</i> , 2015, 83-84, 101-108.	1.8	39
66	Spatial distribution of soil organic matter in two fields on tidal flat sediments (Zhejiang Province,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 .	1.9	3
67	The chemistry of death ‘‘ Adipocere degradation in modern graveyards. <i>Forensic Science International</i> , 2015, 257, 320-328.	2.2	15
68	Changes of palaeoenvironmental conditions recorded in Late Devonian reef systems from the Canning Basin, Western Australia: A biomarker and stable isotope approach. <i>Gondwana Research</i> , 2015, 28, 1500-1515.	6.0	52
69	Radiolytic alteration of biopolymers in the Mulga Rock (Australia) uranium deposit. <i>Applied Geochemistry</i> , 2015, 52, 97-108.	3.0	27
70	Temperature induced changes in the heterocyst glycolipid composition of N2 fixing heterocystous cyanobacteria. <i>Organic Geochemistry</i> , 2014, 69, 98-105.	1.8	22
71	Chronology of the Early Toarcian environmental crisis in the Lorraine Sub-Basin (NE Paris Basin). <i>Earth and Planetary Science Letters</i> , 2014, 404, 273-282.	4.4	61
72	Characterization of the sedimentary organic matter preserved in Messel oil shale by bulk geochemistry and stable isotopes. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 410, 390-400.	2.3	22

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73	Introducing an improved multi-proxy approach for paleoenvironmental reconstruction of loess—paleosol archives applied on the Late Pleistocene Nussloch sequence (SW Germany). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 410, 300-315.	2.3	53
74	Distribution of long chain heterocyst glycolipids in N <sub>2</sub> -fixing cyanobacteria of the order Stigonematales. <i>Phytochemistry</i> , 2014, 98, 145-150.	2.9	19
75	Accelerated soil formation due to paddy management on marshlands (Zhejiang Province, China). <i>Geoderma</i> , 2014, 228-229, 67-89.	5.1	76
76	Macroecology of methane-oxidizing bacteria: the $\alpha$ -diversity of <i>pmoA</i> genotypes in tropical and subtropical rice paddies. <i>Environmental Microbiology</i> , 2014, 16, 72-83.	3.8	45
77	Experimental Simulation Of Hydrocarbon Expulsion. , 2014, , .		2
78	The carbon count of 2000 years of rice cultivation. <i>Global Change Biology</i> , 2013, 19, 1107-1113.	9.5	85
79	Hotspots of anaerobic ammonium oxidation at land—freshwater interfaces. <i>Nature Geoscience</i> , 2013, 6, 103-107.	12.9	260
80	Black shale formation during the Latest Danian Event and the Paleocene—Eocene Thermal Maximum in central Egypt: Two of a kind?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 371, 9-25.	2.3	34
81	New evidence of Holocene atmospheric circulation dynamics based on lake sediments from southern Sweden: a link to the Siberian High. <i>Quaternary Science Reviews</i> , 2013, 77, 113-124.	3.0	15
82	Towards reconstruction of past fire regimes from geochemical analysis of charcoal. <i>Organic Geochemistry</i> , 2013, 55, 11-21.	1.8	89
83	A pyrolysis and stable isotopic approach to investigate the origin of methyltrimethyltridecylchromans (MTTCs). <i>Organic Geochemistry</i> , 2013, 61, 1-5.	1.8	13
84	Organic geochemistry and mineralogy. I. Characterisation of organic matter associated with metal deposits. <i>Ore Geology Reviews</i> , 2013, 50, 1-27.	2.7	96
85	Exceptional preservation of Palaeozoic steroids in a diagenetic continuum. <i>Scientific Reports</i> , 2013, 3, 2768.	3.3	67
86	Exceptional preservation of microbial lipids in Paleozoic to Mesoproterozoic sediments. <i>Geology</i> , 2013, 41, 287-288.	4.4	7
87	An interlaboratory study of TEX <sub>86</sub> and BIT analysis of sediments, extracts, and standard mixtures. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5263-5285.	2.5	76
88	Use of molecular ratios to identify changes in fatty acid composition of <i>Miscanthus giganteus</i> (Greef) Tj ETQq0 0 0 rgBT /Overlock 10 <i>Geochemistry</i> , 2012, 46, 1-11.	1.8	30
89	Intra- versus inter-site macroscale variation in biogeochemical properties along a paddy soil chronosequence. <i>Biogeosciences</i> , 2012, 9, 1237-1251.	3.3	19
90	Comparison of lipid biomarker and gene abundance characterizing the archaeal ammonia-oxidizing community in flooded soils. <i>Biology and Fertility of Soils</i> , 2011, 47, 839-843.	4.3	22

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91	An open ocean record of the Toarcian oceanic anoxic event. <i>Solid Earth</i> , 2011, 2, 245-257.	2.8	87
92	A multi-proxy approach to reconstruct hydrological changes and Holocene climate development of Nam Co, Central Tibet. <i>Journal of Paleolimnology</i> , 2010, 43, 625-648.	1.6	138
93	Biomonitoring of air quality in the Cologne Conurbation using pine needles as a passive sampler â€“ Part III: Major and trace elements. <i>Atmospheric Environment</i> , 2010, 44, 2822-2829.	4.1	45
94	OIL-PRONE LOWER CARBONIFEROUS COALS IN THE NORWEGIAN BARENTS SEA: IMPLICATIONS FOR A PALAEOZOIC PETROLEUM SYSTEM. <i>Journal of Petroleum Geology</i> , 2010, 33, 155-181.	1.5	29
95	Application of bacterial glycerol dialkyl glycerol tetraethers (GDGTs) to develop modern and past temperature estimates from New Zealand lakes. <i>Organic Geochemistry</i> , 2010, 41, 1060-1066.	1.8	116
96	Hydrocarbons in the Pedosphere. , 2010, , 279-295.		1
97	Biomonitoring airborne parent and alkylated three-ring PAHs in the Greater Cologne Conurbation I: Temporal accumulation patterns. <i>Environmental Pollution</i> , 2009, 157, 1323-1331.	7.5	53
98	Biomonitoring airborne parent and alkylated three-ring PAHs in the Greater Cologne Conurbation II: Regional distribution patterns. <i>Environmental Pollution</i> , 2009, 157, 1706-1713.	7.5	33
99	Thermal degradation of rye and maize straw: Lipid pattern changes as a function of temperature. <i>Organic Geochemistry</i> , 2009, 40, 167-174.	1.8	88
100	Organic geochemistry and paleoenvironment of the Early Eocene â€œPesciara di Bolcaâ€• Konservat-Lagerst�tte, Italy. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 273, 272-285.	2.3	18
101	Plant lipid composition is not affected by short-term isotopic ( <sup>13</sup> C) pulse-labelling experiments. <i>Journal of Plant Nutrition and Soil Science</i> , 2009, 172, 445-453.	1.9	12
102	Community dynamics of anaerobic bacteria in deep petroleum reservoirs. <i>Nature Geoscience</i> , 2008, 1, 588-591.	12.9	55
103	Changes in ocean denitrification during Late Carboniferous glacialâ€“interglacial cycles. <i>Nature Geoscience</i> , 2008, 1, 709-714.	12.9	82
104	Accumulation histories of major and trace elements on pine needles in the Cologne Conurbation as function of air quality. <i>Atmospheric Environment</i> , 2008, 42, 833-845.	4.1	42
105	Genesis and Evolution of Bitumen in Lower Cretaceous Lavas and Implications for Strata-bound Copper Deposits, North Chile. <i>Economic Geology</i> , 2008, 103, 387-404.	3.8	20
106	Plant and soil lipid modifications under elevated atmospheric CO2 conditions: I. Lipid distribution patterns. <i>Organic Geochemistry</i> , 2008, 39, 91-102.	1.8	46
107	Plant and soil lipid modification under elevated atmospheric CO2 conditions: II. Stable carbon isotopic values (�13C) and turnover. <i>Organic Geochemistry</i> , 2008, 39, 103-117.	1.8	45
108	Nitrification in terrestrial hot springs of Iceland and Kamchatka. <i>FEMS Microbiology Ecology</i> , 2008, 64, 167-174.	2.7	173

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109	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
110	Temporal resolution of an oil charging history – A case study of residual oil benzocarbazoles from the Giddepa Field. Organic Geochemistry, 2007, 38, 1516-1536.	1.8	21
111	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
112	Sterane biomarkers as indicators of palaeozoic algal evolution and extinction events. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 240, 225-236.	2.3	158
113	Analysis of late Palaeozoic glacial to postglacial sedimentary successions in South Africa by geochemical proxies – Response to climate evolution and sedimentary environment. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 240, 184-203.	2.3	131
114	Carboxylic acid distribution patterns of temperate C3 and C4 crops. Organic Geochemistry, 2006, 37, 1973-1982.	1.8	48
115	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
116	Methane release in the Early Jurassic period (Reply). Nature, 2006, 441, E5-E6.	27.8	20
117	Archaea predominate among ammonia-oxidizing prokaryotes in soils. Nature, 2006, 442, 806-809.	27.8	2,144
118	Assessing the quantitative reliability of solid-state <sup>13</sup> C NMR spectra of kerogens across a gradient of thermal maturity. Solid State Nuclear Magnetic Resonance, 2006, 29, 312-321.	2.3	37
119	Results from a Multi-disciplinary Sedimentary Pilot Study of Tectonic Lake Iznik (NW Turkey) – Geochemistry and Paleolimnology of the Recent Past. Journal of Paleolimnology, 2006, 35, 715-736.	1.6	42
120	Accumulation histories of magnetic particles on pine needles as function of air quality. Atmospheric Environment, 2006, 40, 7082-7096.	4.1	92
121	Astronomical pacing of methane release in the Early Jurassic period. Nature, 2005, 437, 396-399.	27.8	395
122	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
123	Correlation between hydrogen isotope ratios of lipid biomarkers and sediment maturity. Geochimica Et Cosmochimica Acta, 2005, 69, 5517-5530.	3.9	64
124	Organic matter composition in the sediment of three Brazilian coastal lagoons: district of Macaé, Rio de Janeiro (Brazil). Anais Da Academia Brasileira De Ciencias, 2004, 76, 29-47.	0.8	13
125	Improved automated extraction and separation procedure for soil lipid analyses. European Journal of Soil Science, 2004, 55, 349-356.	3.9	68
126	Biomonitoring of air quality in the Cologne conurbation using pine needles as a passive sampler – Part I: magnetic properties. Atmospheric Environment, 2004, 38, 3781-3792.	4.1	117

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127	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
128	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
129	Reconstruction of palaeohydrological conditions in a lagoon during the 2nd Zechstein cycle through simultaneous use of $\delta D$ values of individual n-alkanes and $\delta^{18}O$ and $\delta^{13}C$ values of carbonates. International Journal of Earth Sciences, 2004, 93, 554.	1.8	20
130	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
131	Chemostratigraphy of the Posidonia Black Shale, SW Germany. Chemical Geology, 2004, 206, 199-230.	3.3	120
132	Chemostratigraphy of the Posidonia Black Shale, SW-Germany. Chemical Geology, 2004, 206, 231-248.	3.3	199
133	High-resolution geochemistry and sequence stratigraphy of the Hushpuckney Shale (Swope) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF Pennsylvanian Midcontinent Seaway. Chemical Geology, 2004, 206, 259-288.	3.3	111
134	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
135	Osmium isotope evidence for the regulation of atmospheric CO <sub>2</sub> by continental weathering. Geology, 2004, 32, 157.	4.4	343
136	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
137	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
138	Complexity of Soil Organic Matter: AMS <sup>14</sup> C Analysis of Soil Lipid Fractions and Individual Compounds. Radiocarbon, 2004, 46, 465-473.	1.8	65
139	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
140	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
141	Global changes during Carboniferousâ€”Permian glaciation of Gondwana: Linking polar and equatorial climate evolution by geochemical proxies. Geology, 2003, 31, 605.	4.4	113
142	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
143	Palaeoenvironmental reconstruction of Lower Toarcian epicontinental black shales (Posidonia Shale,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF	1.4	104
144	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

#	ARTICLE	IF	CITATIONS
145	Geochemical signature and related climatic-oceanographic processes for early Albian black shales: Site 417D, North Atlantic Ocean. <i>Cretaceous Research</i> , 2001, 22, 243-257.	1.4	34
146	Temperature dependency of long-chain alkenone distributions in recent to fossil limnic sediments and in lake waters. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 253-265.	3.9	132
147	The Posidonia Shale (Lower Toarcian) of SW-Germany: an oxygen-depleted ecosystem controlled by sea level and palaeoclimate. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2001, 165, 27-52.	2.3	359
148	Erratum to "The Posidonia Shale (Lower Toarcian) of SW-Germany: an oxygen-depleted ecosystem controlled by sea level and palaeoclimate". <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2001, 169, 271.	2.3	4
149	Organic matter from the Bunte Breccia of the Ries Crater, southern Germany: investigating possible thermal effects of the impact. <i>Planetary and Space Science</i> , 2001, 49, 845-851.	1.7	7
150	Geological conditions and geochemical effects of secondary petroleum migration and accumulation. <i>Marine and Petroleum Geology</i> , 2000, 17, 857-859.	3.3	25
151	Carbon-sulfur-iron relationships and $\delta^{13}\text{C}$ of organic matter for late Albian sedimentary rocks from the North Atlantic Ocean: paleoceanographic implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2000, 163, 97-113.	2.3	75
152	Coupled oceanic effects of climatic cycles from late Albian deep-sea sections of the North Atlantic. , 1999, , .		4
153	A 15,000-year stable isotope record from sediments of Lake Steisslingen, Southwest Germany. <i>Chemical Geology</i> , 1999, 161, 315-337.	3.3	89
154	Geochemical characterization of Malm Zeta laminated carbonates from the Franconian Alb, SW-Germany (II). <i>Organic Geochemistry</i> , 1998, 29, 1921-1952.	1.8	89
155	A novel sequential extraction system for whole core plug extraction in a solvent flow-through cell - application to extraction of residual petroleum from an intact pore-system in secondary migration studies. <i>Organic Geochemistry</i> , 1997, 26, 19-31.	1.8	79
156	Changes in palaeoenvironmental conditions during deposition of the Permian Kupferschiefer (Lower) Tj ETQq0 0 0 rgBT /Overlock 10 Tf components. <i>Organic Geochemistry</i> , 1997, 26, 677-690.	1.8	111
157	Maleimides (1H-pyrrole-2,5-diones) as molecular indicators of anoxygenic photosynthesis in ancient water columns. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 3913-3924.	3.9	91
158	Molecular indicators of palaeoenvironmental conditions in an immature Permian shale (Kupferschiefer, Lower Rhine Basin, north-west Germany) from free and S-bound lipids. <i>Organic Geochemistry</i> , 1996, 25, 131-147.	1.8	141
159	Isoarborinol through geological times: Evidence for its presence in the Permian and Triassic. <i>Organic Geochemistry</i> , 1995, 23, 91-93.	1.8	30
160	Novel triterpene-derived hydrocarbons of arborane/fernane series in sediments. Part I.. <i>Tetrahedron</i> , 1992, 48, 3915-3924.	1.9	56
161	Aromatic hydrocarbon composition of the Permian Kupferschiefer in the Lower Rhine Basin, NW Germany. <i>Organic Geochemistry</i> , 1990, 16, 749-761.	1.8	64
162	Use of biological marker distributions to study thermal history of the Permian Kupferschiefer of the Lower Rhine Basin. <i>International Journal of Earth Sciences</i> , 1989, 78, 411-426.	1.8	11