

Fabien Kenig

List of Publications by Year in descending order

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70
papers

3,893
citations

147801

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123424

61
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72
all docs

72
docs citations

72
times ranked

3540
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic sulfones in the brine of Lake Vida, East Antarctica. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 409-426.	3.9	1
2	Femtosecond Laser Desorption Postionization MS vs ToF-SIMS Imaging for Uncovering Biomarkers Buried in Geological Samples. <i>Analytical Chemistry</i> , 2021, 93, 15949-15957.	6.5	5
3	Comment on "Evaluation of the Tenax Trap in the Sample Analysis at Mars Instrument Suite on the Curiosity Rover as a Potential Hydrocarbon Source for Chlorinated Organics Detected in Gale Crater" by Miller et al. (2015). <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 644-647.	3.6	1
4	DETERMINING TAPHONOMIC CONTROLS AND RATES OF DECAY IN CAVE ENVIRONMENTS USING MICROCOSMS. <i>Palaios</i> , 2018, 33, 141-153.	1.3	2
5	Effects of legacy metabolites from previous ecosystems on the environmental metabolomics of the brine of Lake Vida, East Antarctica. <i>Organic Geochemistry</i> , 2018, 122, 161-170.	1.8	4
6	Iron cycling in the anoxic cryo-ecosystem of Antarctic Lake Vida. <i>Biogeochemistry</i> , 2017, 134, 17-27.	3.5	3
7	Constraining the recent history of the perennially ice-covered Lake Bonney, East Antarctica using He, Kr and Xe concentrations. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 209, 233-253.	3.9	11
8	Early sponges and toxic protists: possible sources of cryostane, an age diagnostic biomarker antedating Sturtian Snowball Earth. <i>Geobiology</i> , 2016, 14, 129-149.	2.4	82
9	Perchlorate and volatiles of the brine of Lake Vida (Antarctica): Implication for the in situ analysis of Mars sediments. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1190-1203.	3.6	11
10	Characterization of dissolved organic material in the interstitial brine of Lake Vida, Antarctica. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 183, 63-78.	3.9	19
11	Using the voids to fill the gaps: caves, time, and stratigraphy. <i>Geological Society Special Publication</i> , 2015, 404, 233-250.	1.3	8
12	Reconstructing the evolution of Lake Bonney, Antarctica using dissolved noble gases. <i>Applied Geochemistry</i> , 2015, 58, 46-61.	3.0	5
13	Stratigraphy of Lake Vida, Antarctica: hydrologic implications of 27 m of ice. <i>Cryosphere</i> , 2015, 9, 439-450.	3.9	22
14	Radiocarbon distribution and the effect of legacy in lakes of the McMurdo Dry Valleys, Antarctica. <i>Limnology and Oceanography</i> , 2014, 59, 811-826.	3.1	18
15	Carbon Sequestration and Release from Antarctic Lakes: Lake Vida and West Lake Bonney (McMurdo) Tj ETQq1 1 0,784314 rgBT /Over	1.3	6
16	Microbial life at ~13 °C in the brine of an ice-sealed Antarctic lake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20626-20631.	7.1	151
17	Evolutionary stasis of sporopollenin biochemistry revealed by unaltered Pennsylvanian spores. <i>New Phytologist</i> , 2012, 196, 397-401.	7.3	66
18	The Holocene environmental history of Lake Hoare, Taylor Valley, Antarctica, reconstructed from sediment cores. <i>Antarctic Science</i> , 2011, 23, 307-319.	0.9	6

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19	Molecular signature of chitin-protein complex in Paleozoic arthropods. <i>Geology</i> , 2011, 39, 255-258.	4.4	79
20	Palaeoenvironmental implications derived from a piston core from east lobe Bonney, Taylor Valley, Antarctica. <i>Antarctic Science</i> , 2010, 22, 522-530.	0.9	5
21	New insights into the origin and evolution of Lake Vida, McMurdo Dry Valleys, Antarctica – A noble gas study in ice and brines. <i>Earth and Planetary Science Letters</i> , 2010, 289, 112-122.	4.4	19
22	Evidence of multiple late Bashkirian to early Moscovian (Pennsylvanian) fire events preserved in contemporaneous cave fills. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 291, 72-84.	2.3	45
23	Origin and tentative identification of tri to pentaunsaturated ketones in sediments from Lake Fryxell, East Antarctica. <i>Organic Geochemistry</i> , 2010, 41, 386-397.	1.8	35
24	Pennsylvanian paleokarst and cave fills from northern Illinois, USA: A window into late Carboniferous environments and landscapes. <i>Palaios</i> , 2009, 24, 627-637.	1.3	56
25	An ultrastructural investigation of early Middle Pennsylvanian megaspores from the Illinois Basin, USA. <i>Review of Palaeobotany and Palynology</i> , 2009, 156, 62-78.	1.5	17
26	Particulate organic and dissolved inorganic carbon stable isotopic compositions in Taylor Valley lakes, Antarctica: the effect of legacy. <i>Hydrobiologia</i> , 2009, 632, 139-156.	2.0	12
27	Composition and Biodegradation of a Synthetic Oil Spilled on the Perennial Ice Cover of Lake Fryxell, Antarctica. <i>Environmental Science & Technology</i> , 2009, 43, 2708-2713.	10.0	13
28	SPME-GCMS study of the natural attenuation of aviation diesel spilled on the perennial ice cover of Lake Fryxell, Antarctica. <i>Science of the Total Environment</i> , 2008, 407, 250-262.	8.0	11
29	Analysis of unresolved complex mixtures of hydrocarbons extracted from Late Archean sediments by comprehensive two-dimensional gas chromatography (GC ₂ -GC). <i>Organic Geochemistry</i> , 2008, 39, 846-867.	1.8	107
30	Fractionation between inorganic and organic carbon during the Lomagundi (2.22–2.1 Ga) carbon isotope excursion. <i>Earth and Planetary Science Letters</i> , 2008, 271, 278-291.	4.4	96
31	Entry approach into pristine ice-sealed lakes – Lake Vida, East Antarctica, a model ecosystem. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 542-547.	2.0	18
32	Molecular evidence of Late Archean archaea and the presence of a subsurface hydrothermal biosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14260-14265.	7.1	70
33	An unusual non-fluorescing algal kerogen from the Canadian Arctic. <i>International Journal of Coal Geology</i> , 2007, 69, 144-152.	5.0	1
34	A red algal bloom in the aftermath of the Marinoan Snowball Earth. <i>Terra Nova</i> , 2007, 19, 303-308.	2.1	49
35	Total Synthesis and Structural Verification of Some Novel Branched Alkanes with Quaternary Carbons Isolated from Diverse Geological Sources. <i>Journal of Organic Chemistry</i> , 2006, 71, 5016-5019.	3.2	11
36	Glacial and postglacial sedimentation in the Fryxell basin, Taylor Valley, southern Victoria Land, Antarctica. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 241, 320-337.	2.3	40

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37	Distribution of aliphatic ketones in Chinese soils: Potential environmental implications. <i>Organic Geochemistry</i> , 2006, 37, 860-869.	1.8	32
38	Ultrasonic/sonic gopher for subsurface ice and brine sampling: analysis and fabrication challenges and testing results. , 2006, , .		16
39	Branched alkanes with quaternary carbon atoms in Chinese soils: Potential environmental implications. <i>Science Bulletin</i> , 2006, 51, 1115-1122.	1.7	11
40	About mechanism and model of deactivation of Ziegler-Natta polymerization catalysts. <i>Chemical Engineering Journal</i> , 2005, 107, 73-77.	12.7	12
41	Structure and distribution of branched aliphatic alkanes with quaternary carbon atoms in Cenomanian and Turonian black shales of Pasquia Hills (Saskatchewan, Canada). <i>Organic Geochemistry</i> , 2005, 36, 117-138.	1.8	51
42	Structural identification of sedimentary C21 and C22 highly branched isoprenoid alkanes. <i>Organic Geochemistry</i> , 2005, 36, 511-517.	1.8	13
43	Intermittent euxinia: Reconciliation of a Jurassic black shale with its biofacies. <i>Geology</i> , 2004, 32, 421.	4.4	65
44	Stable Carbon and Nitrogen Isotopic. <i>Aquatic Geochemistry</i> , 2004, 10, 269-301.	1.3	39
45	Subsurface ice and brine sampling using an ultrasonic/sonic gopher for life detection and characterization in the McMurdo dry valleys. , 2004, , .		9
46	Water column structure during deposition of Middle Devonian "Lower Mississippian black and green/gray shales of the Illinois and Michigan Basins: a biomarker approach. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 215, 59-85.	2.3	68
47	Fluids from Aging Ocean Crust That Support Microbial Life. <i>Science</i> , 2003, 299, 120-123.	12.6	259
48	An organic geochemical study of Cenomanian-Turonian sediments from the Western Interior Seaway, Canada. <i>Organic Geochemistry</i> , 2003, 34, 1177-1198.	1.8	25
49	Branched aliphatic alkanes with quaternary substituted carbon atoms in modern and ancient geologic samples. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12554-12558.	7.1	48
50	Distribution and origin of ethyl-branched alkanes in a Cenomanian transgressive shale of the Western Interior Seaway (USA). <i>Organic Geochemistry</i> , 2001, 32, 949-954.	1.8	15
51	Molecular fossil constraints on the water column structure of the Cenomanian "Turonian Western Interior Seaway, USA. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2001, 169, 129-152.	2.3	41
52	Late Cretaceous (Cenomanian to Campanian) paleoenvironmental history of the Eastern Canadian margin of the Western Interior Seaway: bonebeds and anoxic events. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2001, 170, 261-289.	2.3	45
53	Preparative HPLC with ultrastable-Y zeolite for compound-specific carbon isotopic analyses. <i>Organic Geochemistry</i> , 2000, 31, 1087-1094.	1.8	38
54	C16-C29 homologous series of monomethylalkanes in the pyrolysis products of a Holocene microbial mat. <i>Organic Geochemistry</i> , 2000, 31, 237-241.	1.8	35

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55	Controls on the carbon isotopic composition of southern ocean phytoplankton. <i>Global Biogeochemical Cycles</i> , 1999, 13, 827-843.	4.9	119
56	Does growth rate affect ketone unsaturation and intracellular carbon isotopic variability in <i>Emiliania huxleyi</i> ?. <i>Paleoceanography</i> , 1998, 13, 35-41.	3.0	110
57	Diagenetic and catagenetic products of isorenieratene: Molecular indicators for photic zone anoxia. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 4467-4496.	3.9	348
58	Molecular indicators for palaeoenvironmental change in a Messinian evaporitic sequence (Vena del Tuffi). <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 1895-1900.	1.8	59
59	Molecular indicators for palaeoenvironmental change in a Messinian evaporitic sequence (Vena del Tuffi) carbon skeletons in a single marl bed. <i>Organic Geochemistry</i> , 1995, 23, 485-526.	1.8	110
60	Evidence for gammacerane as an indicator of water column stratification. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 1895-1900.	3.9	868
61	Occurrence and origin of mono-, di-, and trimethylalkanes in modern and Holocene cyanobacterial mats from Abu Dhabi, United Arab Emirates. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 2999-3015.	3.9	149
62	Isotopic biogeochemistry of the Oxford Clay Formation (Jurassic), UK. <i>Journal of the Geological Society</i> , 1994, 151, 139-152.	2.1	70
63	Petrographic analyses of organo-mineral relationships: depositional conditions of the Oxford Clay Formation (Jurassic), UK. <i>Journal of the Geological Society</i> , 1994, 151, 153-160.	2.1	19
64	Molecular palaeontological evidence for food-web relationships. <i>Die Naturwissenschaften</i> , 1994, 81, 128-130.	1.6	22
65	Molecular Palaeontological Evidence for Food-Web Relationships. <i>Die Naturwissenschaften</i> , 1994, 81, 128-130.	1.6	0
66	An isotopic biogeochemical study of the Oxford Clay Formation (U.K.). <i>The Paleontological Society Special Publications</i> , 1992, 6, 162-162.	0.0	0
67	Origin and alteration of organic matter of the Oxford Clay Formation (U.K.) determined from bulk geochemical analyses. <i>The Paleontological Society Special Publications</i> , 1992, 6, 163-163.	0.0	0
68	Relationships between depositional conditions and microtextures in the organic-rich Lower Oxford Clay sediments (U.K.). <i>The Paleontological Society Special Publications</i> , 1992, 6, 24-24.	0.0	0
69	Incorporation of Sulfur into Recent Organic Matter in a Carbonate Environment (Abu Dhabi, United Arab Emirates). <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 121-122.	0.5	12
70	Sedimentation, distribution and diagenesis of organic matter in a recent carbonate environment, Abu Dhabi, U.A.E.. <i>Organic Geochemistry</i> , 1990, 16, 735-747.	1.8	82