

Martin Koelling

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,119
citations

361413

20
h-index

233421

45
g-index

51
all docs

51
docs citations

51
times ranked

3405
citing authors

#	ARTICLE	IF	CITATIONS
1	Rhizon sampling of porewaters near the sediment-water interface of aquatic systems. <i>Limnology and Oceanography: Methods</i> , 2005, 3, 361-371.	2.0	539
2	Influence of the water content on X-ray fluorescence core-scanning measurements in soft marine sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	323
3	Interlaboratory study for coral Sr/Ca and other element/Ca ratio measurements. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3730-3750.	2.5	183
4	Deglacial sea surface temperature and salinity increase in the western tropical Atlantic in synchrony with high latitude climate instabilities. <i>Earth and Planetary Science Letters</i> , 2006, 241, 699-706.	4.4	113
5	Holocene African droughts relate to eastern equatorial Atlantic cooling. <i>Geology</i> , 2005, 33, 981.	4.4	85
6	A slump in the trench: Tracking the impact of the 2011 Tohoku-Oki earthquake. <i>Geology</i> , 2013, 41, 935-938.	4.4	73
7	Pronounced interannual variability in tropical South Pacific temperatures during Heinrich Stadial 1. <i>Nature Communications</i> , 2012, 3, 965.	12.8	60
8	Mid- to late Holocene changes in tropical Atlantic temperature seasonality and interannual to multidecadal variability documented in southern Caribbean corals. <i>Earth and Planetary Science Letters</i> , 2012, 331-332, 187-200.	4.4	46
9	Fast application of X-ray fluorescence spectrometry aboard ship: how good is the new portable Spectro Xepos analyser?. <i>Geo-Marine Letters</i> , 2005, 25, 248-264.	1.1	38
10	Geochemistry and skeletal structure of <i>Diploria strigosa</i> , implications for coral-based climate reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 298, 378-387.	2.3	38
11	Tropical Atlantic temperature seasonality at the end of the last interglacial. <i>Nature Communications</i> , 2015, 6, 6159.	12.8	35
12	Mg/Ca ratios of single planktonic foraminifer shells and the potential to reconstruct the thermal seasonality of the water column. <i>Paleoceanography</i> , 2011, 26, .	3.0	34
13	Rhizon Sampling of Pore Waters on Scientific Drilling Expeditions: An Example from the IODP Expedition 302, Arctic Coring Expedition (ACEX). <i>Scientific Drilling</i> , 2007, , .	0.6	33
14	A low-cost optode-array measuring system based on 1 mm plastic optical fibers – new technique for in situ detection and quantification of pyrite weathering processes. <i>Sensors and Actuators B: Chemical</i> , 2001, 81, 76-82.	7.8	30
15	The Influence of Basaltic Islands on the Oceanic REE Distribution: A Case Study From the Tropical South Pacific. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	29
16	Clumped isotopologue fractionation by microbial cultures performing the anaerobic oxidation of methane. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 293, 70-85.	3.9	29
17	Last interglacial temperature seasonality reconstructed from tropical Atlantic corals. <i>Earth and Planetary Science Letters</i> , 2016, 449, 418-429.	4.4	24
18	Age models for the Cape Blanc Debris Flow and the Mauritania Slide Complex in the Atlantic Ocean off NW Africa. <i>Quaternary Science Reviews</i> , 2007, 26, 2558-2573.	3.0	22

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19	SEALEX " Internal reef chronology and virtual drill logs from a spreadsheet-based reef growth model. <i>Global and Planetary Change</i> , 2009, 66, 149-159.	3.5	21
20	Mild and Arid Climate in the Eastern Sahara"Arabian Desert During the Late Little Ice Age. <i>Geophysical Research Letters</i> , 2018, 45, 7112-7119.	4.0	20
21	Recent climatic and anthropogenic impacts on endemic species in southwestern Morocco. <i>Quaternary Science Reviews</i> , 2019, 221, 105889.	3.0	20
22	Phosphate Limitation Triggers the Dissolution of Precipitated Iron by the Marine Bacterium <i>Pseudovibrio</i> sp. FO-BEG1. <i>Frontiers in Microbiology</i> , 2017, 8, 364.	3.5	19
23	Consistent CO2 release by pyrite oxidation on continental shelves prior to glacial terminations. <i>Nature Geoscience</i> , 2019, 12, 929-934.	12.9	19
24	Age models for pelagites and turbidites from the Cap Timiris Canyon off Mauritania. <i>Marine and Petroleum Geology</i> , 2006, 23, 337-352.	3.3	18
25	Controls of Caribbean surface hydrology during the mid- to late Holocene: insights from monthly resolved coral records. <i>Climate of the Past</i> , 2013, 9, 841-858.	3.4	18
26	The potential formation of acid mine drainage in pyrite-bearing hard-coal tailings under water-saturated conditions: an experimental approach. <i>Environmental Geology</i> , 1997, 31, 59-65.	1.2	17
27	Investigation of pyrite-weathering processes in the vadose zone using optical oxygen sensors. <i>Environmental Geology</i> , 2002, 42, 800-809.	1.2	15
28	Comparison of foraminiferal cleaning procedures for Mg/Ca paleothermometry on core material deposited under varying terrigenous-input and bottom water conditions. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	15
29	Provenance of nutrients in submarine fresh groundwater discharge on Tahiti and Moorea, French Polynesia. <i>Applied Geochemistry</i> , 2019, 100, 181-189.	3.0	14
30	Formation pathways of light hydrocarbons in deep sediments of the Danube deep-sea fan, Western Black Sea. <i>Marine and Petroleum Geology</i> , 2020, 122, 104627.	3.3	14
31	Discrimination of sources of terrigenous sediment deposited in the central Arctic Ocean through the Cenozoic. <i>Paleoceanography</i> , 2009, 24, .	3.0	13
32	Last Interglacial Hydroclimate Seasonality Reconstructed From Tropical Atlantic Corals. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 198-213.	2.9	13
33	The imprint of anthropogenic CO2 emissions on Atlantic bluefin tuna otoliths. <i>Journal of Marine Systems</i> , 2016, 158, 26-33.	2.1	12
34	Towards ground truthing exploration in the central Arctic Ocean: a Cenozoic compaction history from the Lomonosov Ridge. <i>Basin Research</i> , 2010, 22, 215-235.	2.7	11
35	Shallow Gas Hydrate Accumulations at a Nigerian Deepwater Pockmark"Quantities and Dynamics. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018283.	3.4	10
36	Close correlation between Sr/Ca ratios in bulk sediments from the southern Cape Basin and the SPECMAP record. <i>Geo-Marine Letters</i> , 2005, 25, 265-271.	1.1	8

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37	Evidence for Mass Transport Deposits at the IODP JFAST-Site in the Japan Trench. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 33-43.	1.1	7
38	Changes to Yucatán Peninsula precipitation associated with salinity and temperature extremes of the Caribbean Sea during the Maya civilization collapse. <i>Scientific Reports</i> , 2017, 7, 15825.	3.3	6
39	<title>Simple plastic fiber-based optode array for the in-situ measurement of ground air oxygen concentrations</title>. , 2002, 4576, 75.		4
40	A very low attenuation fiber-optical sensor switch (LAFOSS). <i>Sensors and Actuators B: Chemical</i> , 2001, 81, 128-131.	7.8	3
41	Climate and land-use effects on hydrological and vegetation signals during the last three millennia: Evidence from sedimentary leaf waxes in southwestern Morocco. <i>Holocene</i> , 2021, 31, 699-708.	1.7	3
42	Evidence for anthropogenic, climatic and oceanographic variability off southwestern Morocco during the last three millennia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 585, 110723.	2.3	1
43	From Calculated Saturation Index to Reactions in Groundwater. <i>Zeitschrift Der Deutschen Geologischen Gesellschaft</i> , 1988, 139, 393-405.	0.1	1
44	Correction to "Discrimination of sources of terrigenous sediment deposited in the central Arctic Ocean through the Cenozoic". <i>Paleoceanography</i> , 2009, 24, n/a-n/a.	3.0	0