

Gert J De Lange

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6902872/publications.pdf>

Version: 2024-02-01

197
papers

12,832
citations

14655

66
h-index

31849

101
g-index

208
all docs

208
docs citations

208
times ranked

8833
citing authors

#	ARTICLE	IF	CITATIONS
1	The Messinian Salinity Crisis: Past and future of a great challenge for marine sciences. <i>Marine Geology</i> , 2014, 352, 25-58.	2.1	436
2	Selective preservation of organic matter in marine environments; processes and impact on the sedimentary record. <i>Biogeosciences</i> , 2010, 7, 483-511.	3.3	331
3	The Enigma of Prokaryotic Life in Deep Hypersaline Anoxic Basins. <i>Science</i> , 2005, 307, 121-123.	12.6	275
4	Magnetostratigraphy and astronomical calibration of the last 1.1 Myr from an eastern Mediterranean piston core and dating of short events in the Brunhes. <i>Geophysical Journal International</i> , 1997, 129, 75-94.	2.4	268
5	Redistribution and geochemical behaviour of redox-sensitive elements around S1, the most recent eastern Mediterranean sapropel. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 3487-3501.	3.9	234
6	Synchronous basin-wide formation and redox-controlled preservation of a Mediterranean sapropel. <i>Nature Geoscience</i> , 2008, 1, 606-610.	12.9	230
7	Stratified prokaryote network in the oxic-anoxic transition of a deep-sea halocline. <i>Nature</i> , 2006, 440, 203-207.	27.8	215
8	Mobilization of radiocaesium in pore water of lake sediments. <i>Nature</i> , 1989, 339, 367-369.	27.8	213
9	Post-depositional stability of long-chain alkenones under contrasting redox conditions. <i>Nature</i> , 1989, 341, 434-437.	27.8	202
10	Active post-depositional oxidation of the most recent sapropel (S1) in sediments of the eastern Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 4007-4024.	3.9	202
11	Fluid-sediment interactions at Eastern Mediterranean mud volcanoes: a stable isotope study from ODP Leg 160. <i>Earth and Planetary Science Letters</i> , 2003, 212, 377-391.	4.4	188
12	Preservation of organic-walled dinoflagellate cysts in different oxygen regimes: a 10,000 year natural experiment. <i>Marine Micropaleontology</i> , 1997, 29, 393-405.	1.2	184
13	Evolution of the Late Miocene Mediterranean-Atlantic gateways and their impact on regional and global environmental change. <i>Earth-Science Reviews</i> , 2015, 150, 365-392.	9.1	171
14	Elemental and major biochemical changes across an oxidation front in a relict turbidite: An oxygen effect. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 33-46.	3.9	170
15	Sulphidic Mediterranean surface waters during Pliocene sapropel formation. <i>Nature</i> , 1999, 397, 146-149.	27.8	167
16	Palaeoproductivity and post-depositional aerobic organic matter decay reflected by dinoflagellate cyst assemblages of the Eastern Mediterranean S1 sapropel. <i>Marine Geology</i> , 2001, 172, 181-195.	2.1	164
17	Bromine counts from XRF scanning as an estimate of the marine organic carbon content of sediment cores. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	158
18	Review of recent advances in the interpretation of eastern Mediterranean sapropel S1 from geochemical evidence. <i>Marine Geology</i> , 1999, 153, 77-89.	2.1	156

#	ARTICLE	IF	CITATIONS
19	Diagenetic pyritisation under eastern Mediterranean sapropels caused by downward sulphide diffusion. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 751-763.	3.9	137
20	Biogeochemistry and Community Composition of Iron- and Sulfur-Precipitating Microbial Mats at the Chefren Mud Volcano (Nile Deep Sea Fan, Eastern Mediterranean). <i>Applied and Environmental Microbiology</i> , 2008, 74, 3198-3215.	3.1	137
21	Manganese solubility control in marine pore waters. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 759-763.	3.9	134
22	Enhanced regeneration of phosphorus during formation of the most recent eastern Mediterranean sapropel (S1). <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 1171-1184.	3.9	132
23	Magnetic properties and geochemistry of the active oxidation front and the youngest sapropel in the eastern Mediterranean Sea. <i>Geophysical Journal International</i> , 2001, 145, 604-614.	2.4	126
24	Composition of anoxic hypersaline brines in the Tyro and Bannock Basins, eastern Mediterranean. <i>Marine Chemistry</i> , 1990, 31, 63-88.	2.3	125
25	Selective preservation of soil organic matter in oxidized marine sediments (Madeira Abyssal Plain). <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 6061-6068.	3.9	124
26	Phosphogenesis and active phosphorite formation in sediments from the Arabian Sea oxygen minimum zone. <i>Marine Geology</i> , 2000, 169, 1-20.	2.1	120
27	The formation of Pliocene sapropels and carbonate cycles in the Mediterranean: Diagenesis, dilution, and productivity. <i>Paleoceanography</i> , 1994, 9, 601-617.	3.0	119
28	Sulfur cycling and methanogenesis primarily drive microbial colonization of the highly sulfidic Urania deep hypersaline basin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9151-9156.	7.1	118
29	Organic matter and trace element rich sapropels and black shales: a geochemical comparison. <i>Earth and Planetary Science Letters</i> , 1999, 169, 277-290.	4.4	117
30	Recent sapropel formation in the eastern Mediterranean. <i>Nature</i> , 1983, 305, 797-798.	27.8	116
31	Diagenetic changes of magnetic and geochemical signals by anaerobic methane oxidation in sediments of the Zambezi deep-sea fan (SW Indian Ocean). <i>Marine Geology</i> , 2008, 255, 118-130.	2.1	116
32	Present-day coccolith fluxes recorded in central eastern Mediterranean sediment traps and surface sediments. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2000, 158, 175-195.	2.3	115
33	Phosphorus regeneration vs. burial in sediments of the Arabian Sea. <i>Marine Chemistry</i> , 2001, 75, 201-217.	2.3	112
34	X-ray fluorescence core scanning of wet marine sediments: methods to improve quality and reproducibility of high-resolution paleoenvironmental records. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 991-1003.	2.0	112
35	Solar forcing of Nile discharge and sapropel S1 formation in the early to middle Holocene eastern Mediterranean. <i>Paleoceanography</i> , 2014, 29, 343-356.	3.0	112
36	Discovery of an anoxic basin within the Strabo Trench, eastern Mediterranean. <i>Nature</i> , 1983, 305, 795-797.	27.8	109

#	ARTICLE	IF	CITATIONS
37	A case of post-depositional aerobic degradation of terrestrial organic matter in turbidite deposits from the Madeira Abyssal Plain. <i>Organic Geochemistry</i> , 1997, 27, 141-152.	1.8	109
38	Possible diagenetic mobilization of barium in sapropelic sediment from the eastern Mediterranean. <i>Marine Geology</i> , 1991, 100, 125-136.	2.1	108
39	Controls on phosphorus regeneration and burial during formation of eastern Mediterranean sapropels. <i>Marine Geology</i> , 2004, 203, 141-159.	2.1	106
40	Formation of carbonate chimneys in the Mediterranean Sea linked to deep-water oxygen depletion. <i>Nature Geoscience</i> , 2013, 6, 755-760.	12.9	105
41	Oxygenation and organic-matter preservation in marine sediments: Direct experimental evidence from ancient organic carbon-rich deposits. <i>Geology</i> , 2005, 33, 889.	4.4	103
42	Effects of long term oxic degradation on the , TEX86 and BIT organic proxies. <i>Organic Geochemistry</i> , 2009, 40, 1188-1194.	1.8	103
43	Pyrite contents, microtextures, and sulfur isotopes in relation to formation of the youngest eastern Mediterranean sapropel. <i>Geology</i> , 1997, 25, 519.	4.4	101
44	Phosphorus burial as a function of paleoproductivity and redox conditions in Arabian Sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 919-931.	3.9	100
45	Biogenic barium and the detrital Ba/Al ratio: a comparison of their direct and indirect determination. <i>Marine Geology</i> , 2004, 204, 289-300.	2.1	99
46	An unusual mid-Pleistocene monsoon period over Africa and Asia. <i>Nature</i> , 1998, 392, 269-272.	27.8	98
47	Sulphur speciation in anoxic hypersaline sediments from the eastern Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 307-321.	3.9	96
48	Nd isotopic compositions of Eastern Mediterranean sediments: tracers of the Nile influence during sapropel S1 formation?. <i>Marine Geology</i> , 2001, 177, 45-62.	2.1	96
49	Geochemistry of eastern Mediterranean sediments: Primary sediment composition and diagenetic alterations. <i>Marine Geology</i> , 1991, 100, 137-154.	2.1	94
50	Barium accumulation in the Arabian Sea: controls on barite preservation in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1545-1556.	3.9	93
51	Early diagenetic reactions in interbedded pelagic and turbiditic sediments in the Nares Abyssal Plain (western North Atlantic): Consequences for the composition of sediment and interstitial water. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 2543-2561.	3.9	92
52	Modes of sapropel formation in the eastern Mediterranean: some constraints based on pyrite properties. <i>Marine Geology</i> , 1999, 153, 199-219.	2.1	92
53	Geochemical and paleomagnetic evidence for the occurrence of sapropels in eastern Mediterranean sediments. <i>Paleoceanography</i> , 1997, 12, 773-786.	3.0	89
54	Seafloor geological studies above active gas chimneys off Egypt (Central Nile Deep Sea Fan). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1146-1172.	1.4	89

#	ARTICLE	IF	CITATIONS
55	A novel chemical method to quantify fish debris in marine sediments. <i>Limnology and Oceanography</i> , 2000, 45, 963-971.	3.1	87
56	Carbon geochemistry of cold seeps: Methane fluxes and transformation in sediments from Kazan mud volcano, eastern Mediterranean Sea. <i>Earth and Planetary Science Letters</i> , 2003, 212, 361-375.	4.4	86
57	Tracking climate variability in the western Mediterranean during the Late Holocene: a multiproxy approach. <i>Climate of the Past</i> , 2011, 7, 1395-1414.	3.4	83
58	Differences between the last two glacial maxima and implications for ice-sheet, $\delta^{18}O$, and sea-level reconstructions. <i>Quaternary Science Reviews</i> , 2017, 176, 1-28.	3.0	82
59	Distribution of exchangeable, fixed, organic and total nitrogen in interbedded turbiditic/pelagic sediments of the Madeira Abyssal Plain, eastern North Atlantic. <i>Marine Geology</i> , 1992, 109, 95-114.	2.1	80
60	Preservation potential of ancient plankton DNA in Pleistocene marine sediments. <i>Geobiology</i> , 2011, 9, 377-393.	2.4	76
61	Mud volcanoes and gas hydrates in the Anaximander mountains (Eastern Mediterranean Sea). <i>Marine and Petroleum Geology</i> , 2009, 26, 854-872.	3.3	75
62	Dissolved aluminium in the Mediterranean. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 2107-2114.	3.9	72
63	Geochemical constraints on Pliocene sapropel formation in the eastern Mediterranean. <i>Marine Geology</i> , 2000, 163, 41-63.	2.1	72
64	The diagenetic formation of metal-rich layers in sapropel-containing sediments in the eastern Mediterranean. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 527-536.	3.9	70
65	Boron isotope and geochemical evidence for the origin of Urania and Bannock brines at the eastern Mediterranean: effect of water-rock interactions. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 3221-3228.	3.9	70
66	Fuzzy c-means cluster analysis of early diagenetic effects on natural remanent magnetisation acquisition in a 1.1 Myr piston core from the Central Mediterranean. <i>Physics of the Earth and Planetary Interiors</i> , 1994, 85, 155-171.	1.9	69
67	Microbial methane oxidation and sulfate reduction at cold seeps of the deep Eastern Mediterranean Sea. <i>Marine Geology</i> , 2009, 261, 114-127.	2.1	69
68	Diversity and Spatial Distribution of Prokaryotic Communities Along A Sediment Vertical Profile of A Deep-Sea Mud Volcano. <i>Microbial Ecology</i> , 2011, 62, 655-668.	2.8	69
69	Tephrochronology of the astronomically-tuned KC01B deep-sea core, Ionian Sea: insights into the explosive activity of the Central Mediterranean area during the last 200 Åka. <i>Quaternary Science Reviews</i> , 2014, 85, 63-84.	3.0	69
70	Diagenetic barium cycling in Black Sea sediments – A case study for anoxic marine environments. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 88, 88-105.	3.9	67
71	Middle and Late Quaternary depositional sequences and cycles in the eastern Mediterranean. <i>Sedimentology</i> , 1989, 36, 151-156.	3.1	66
72	Integral view of Holocene precipitation and vegetation changes in the Nile catchment area as inferred from its delta sediments. <i>Quaternary Science Reviews</i> , 2015, 130, 189-199.	3.0	64

#	ARTICLE	IF	CITATIONS
73	Trace-elemental derived paleoceanographic and paleoclimatic conditions for Pleistocene Eastern Mediterranean sapropels. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 293, 76-89.	2.3	63
74	Lithium isotope geochemistry of marine pore waters – Insights from cold seep fluids. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3459-3475.	3.9	62
75	Preparation, structures, and properties of niobium chalcogenide halides, NbX ₂ Y ₂ (X = S, Se; Y = Cl, Br). <i>Tj ETQq1 1 0.784314 ggBT /Ov</i>	2.9	61
76	Pore water geochemistry of eastern Mediterranean mud volcanoes: Implications for fluid transport and fluid origin. <i>Marine Geology</i> , 2006, 225, 191-208.	2.1	61
77	Extraction of pore water from marine sediments: A review of possible artifacts with pertinent examples from the North Atlantic. <i>Marine Geology</i> , 1992, 109, 53-76.	2.1	60
78	Did the A.D. 365 Crete earthquake/tsunami trigger synchronous giant turbidity currents in the Mediterranean Sea?. <i>Geology</i> , 2016, 44, 191-194.	4.4	59
79	Life at cold seeps: a synthesis of biogeochemical and ecological data from Kazan mud volcano, eastern Mediterranean Sea. <i>Chemical Geology</i> , 2004, 205, 367-390.	3.3	58
80	Messinian salinity crisis: A novel unifying shallow gypsum/deep dolomite formation mechanism. <i>Marine Geology</i> , 2010, 275, 273-277.	2.1	58
81	Profiles of the redox-sensitive trace elements As, Sb, V, Mo and U in the Tyro and Bannock Basins (eastern Mediterranean). <i>Marine Chemistry</i> , 1990, 31, 171-186.	2.3	55
82	Oxidation and Origin of Organic Matter in Surficial Eastern Mediterranean Hemipelagic Sediments. <i>Aquatic Geochemistry</i> , 2002, 8, 153-175.	1.3	55
83	Selective organic matter preservation in –burn-down– turbidites on the Madeira Abyssal Plain. <i>Paleoceanography</i> , 2003, 18, n/a-n/a.	3.0	53
84	Differential aerobic and anaerobic oxidation of hydrocarbon gases discharged at mud volcanoes in the Nile deep-sea fan. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3849-3863.	3.9	50
85	Sedimentary organic carbon to phosphorus ratios as a redox proxy in Quaternary records from the Mediterranean. <i>Chemical Geology</i> , 2010, 277, 167-177.	3.3	49
86	Atypical Mo isotope signatures in eastern Mediterranean sediments. <i>Chemical Geology</i> , 2007, 245, 1-8.	3.3	48
87	Menes caldera, a highly active site of brine seepage in the Eastern Mediterranean sea: –ln situ– observations from the NAUTINIL expedition (2003). <i>Marine Geology</i> , 2009, 261, 138-152.	2.1	48
88	Early diagenesis and sulphur speciation in sediments of the Oman Margin, northwestern Arabian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997, 44, 1361-1380.	1.4	47
89	Recent terrestrial and carbonate fluxes in the pelagic eastern Mediterranean; a comparison between sediment trap and surface sediment. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2000, 158, 197-213.	2.3	45
90	The interface between oxic seawater and the anoxic Bannock brine; its sharpness and the consequences for the redox-related cycling of Mn and Ba. <i>Marine Chemistry</i> , 1990, 31, 205-217.	2.3	44

#	ARTICLE	IF	CITATIONS
91	Determination of inorganic sulphur speciation with polarographic techniques: Some preliminary results for recent hypersaline anoxic sediments. <i>Marine Geology</i> , 1991, 100, 115-123.	2.1	44
92	Active venting at the Isis mud volcano, offshore Egypt: Origin and migration of hydrocarbons. <i>Chemical Geology</i> , 2007, 246, 87-106.	3.3	44
93	Iodine chemistry in deep anoxic basins and overlying waters of the Mediterranean Sea. <i>Marine Chemistry</i> , 1990, 31, 153-170.	2.3	43
94	Short-time-scale variability in ventilation and export productivity during the formation of Mediterranean sapropel S1. <i>Paleoceanography</i> , 2010, 25, n/a-n/a.	3.0	43
95	Eastern-Mediterranean ventilation variability during sapropel S1 formation, evaluated at two sites influenced by deep-water formation from Adriatic and Aegean Seas. <i>Quaternary Science Reviews</i> , 2016, 144, 95-106.	3.0	43
96	Life on the edge: active microbial communities in the Kryos MgCl ₂ -brine basin at very low water activity. <i>ISME Journal</i> , 2018, 12, 1414-1426.	9.8	42
97	Sedimentary pyrite formation in the Arabian Sea. <i>Marine Geology</i> , 2002, 185, 393-402.	2.1	41
98	Anammox bacterial populations in deep marine hypersaline gradient systems. <i>Extremophiles</i> , 2013, 17, 289-299.	2.3	41
99	What do SST proxies really tell us? A high-resolution multiproxy (UK ²³⁷ , TEXH86 and foraminifera $\delta^{18}O$) study in the Gulf of Taranto, central Mediterranean Sea. <i>Quaternary Science Reviews</i> , 2013, 73, 115-131.	3.0	41
100	Dolomite formation in anoxic sediments of Kau Bay, Indonesia. <i>Geology</i> , 1990, 18, 399.	4.4	40
101	Sediment chemistry and magnetic properties in an anomalously reducing core from the eastern Mediterranean Sea. <i>Chemical Geology</i> , 1998, 152, 287-306.	3.3	40
102	Synchronicity of oxygen minimum zone intensity on the Oman and Pakistan Margins at sub-Milankovitch time scales. <i>Marine Geology</i> , 2002, 185, 403-415.	2.1	40
103	Geochemical characteristics and provenance of late Quaternary sediments from the Madeira Abyssal Plain, N Atlantic. <i>Geological Society Special Publication</i> , 1987, 31, 147-165.	1.3	39
104	A natural exposure experiment on short-term species-selective aerobic degradation of dinoflagellate cysts. <i>Review of Palaeobotany and Palynology</i> , 2008, 152, 32-39.	1.5	39
105	Sulphate-related equilibria in the hypersaline brines of the Tyro and Bannock Basins, eastern Mediterranean. <i>Marine Chemistry</i> , 1990, 31, 89-112.	2.3	38
106	The use of sequential extraction techniques for sedimentary phosphorus in eastern Mediterranean sediments. <i>Marine Geology</i> , 1997, 139, 147-155.	2.1	38
107	Thirteen thousand years of southeastern Mediterranean climate variability inferred from an integrative planktic foraminiferal-based approach. <i>Paleoceanography</i> , 2015, 30, 402-422.	3.0	38
108	Central Mediterranean Mid-Pleistocene paleoclimatic variability and its association with global climate. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 442, 72-83.	2.3	38

#	ARTICLE	IF	CITATIONS
109	Title is missing!. Aquatic Geochemistry, 1999, 5, 99-118.	1.3	37
110	Source and development of large manganese enrichments above eastern Mediterranean sapropel S1. Paleoceanography, 2006, 21, .	3.0	37
111	A quantitative reconstruction of organic matter and nutrient diagenesis in Mediterranean Sea sediments over the Holocene. Geochimica Et Cosmochimica Acta, 2011, 75, 5540-5558.	3.9	37
112	Glendonites track methane seepage in Mesozoic polar seas. Geology, 2017, 45, 503-506.	4.4	37
113	Shipboard routine and pressure-filtration system for pore-water extraction from suboxic sediments. Marine Geology, 1992, 109, 77-81.	2.1	36
114	A Mössbauer spectroscopic study of the iron redox transition in eastern Mediterranean sediments. Geochimica Et Cosmochimica Acta, 2005, 69, 441-453.	3.9	36
115	Reconstructing the seafloor environment during sapropel formation using benthic foraminiferal trace metals, stable isotopes, and sediment composition. Paleoceanography, 2010, 25, n/a-n/a.	3.0	36
116	Geochemistry of coeval marine sediments in Mediterranean ODP cores and a land section: implications for sapropel formation models. Palaeogeography, Palaeoclimatology, Palaeoecology, 2001, 165, 97-112.	2.3	35
117	Paleoenvironmental conditions at Core KC01B (Ionian Sea) through MIS 13: Evidence from calcareous nannofossil assemblages. Quaternary International, 2013, 288, 97-111.	1.5	35
118	Distribution of various extracted phosphorus compounds in the interbedded turbiditic/pelagic sediments of the Madeira Abyssal Plain, eastern North Atlantic. Marine Geology, 1992, 109, 115-139.	2.1	34
119	A paleomagnetic and geochemical record of the upper Cochiti reversal and two subsequent precessional cycles from Southern Sicily (Italy). Earth and Planetary Science Letters, 1993, 117, 235-250.	4.4	34
120	Oxygen minimum zone controlled Mn redistribution in Arabian Sea sediments during the late Quaternary. Paleoceanography, 2002, 17, 10-1-10-12.	3.0	34
121	Climate of the past 2500 years in the Gulf of Taranto, central Mediterranean Sea: A high-resolution climate reconstruction based on $\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ of <i>Globigerinoides ruber</i> (white). Holocene, 2013, 23, 1440-1446.	1.7	34
122	Linking Mediterranean brine pools and mud volcanism. Eos, 2000, 81, 625-632.	0.1	33
123	Florisphaera profunda and the origin and diagenesis of carbonate phases in eastern Mediterranean sapropel units. Paleoceanography, 2004, 19, n/a-n/a.	3.0	33
124	Phyto_ and zooplankton paleofluxes during the deposition of sapropel S1 (eastern Mediterranean): Biogenic carbonate preservation and paleoecological implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 235, 8-27.	2.3	33
125	Reduced sulfur in the hypersaline anoxic basins of the Mediterranean Sea. Marine Chemistry, 1990, 31, 137-152.	2.3	31
126	Characterization of methanogenic and prokaryotic assemblages based on <i>mcrA</i> and 16S rRNA gene diversity in sediments of the Kazan mud volcano (Mediterranean Sea). Geobiology, 2008, 6, 450-460.	2.4	31

#	ARTICLE	IF	CITATIONS
127	Phosphorus cycling in marine sediments from the continental margin off Namibia. <i>Marine Geology</i> , 2010, 274, 95-106.	2.1	31
128	Seasonality variations in the Central Mediterranean during climate change events in the Late Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 418, 304-318.	2.3	31
129	Possible Early Diagenetic Alteration of Palaeo Proxies. , 1994, , 225-258.		31
130	Marine productivity leads organic matter preservation in sapropel S1: palynological evidence from a core east of the Nile River outflow. <i>Quaternary Science Reviews</i> , 2015, 108, 130-138.	3.0	30
131	The distribution of DOC and POC in the water column and brines of the Tyro and Bannock Basins. <i>Marine Chemistry</i> , 1990, 31, 113-122.	2.3	29
132	Selective aerobic and anaerobic degradation of lipids and palynomorphs in the Eastern Mediterranean since the onset of sapropel S1 deposition. <i>Marine Geology</i> , 2010, 278, 177-192.	2.1	29
133	Perspectives on provenance and alteration of suspended and sedimentary organic matter in the subtropical Pearl River system, South China. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 270-287.	3.9	29
134	Palaeo-environmental variations in eastern Mediterranean sediments: a multidisciplinary approach in a prehistoric setting. <i>Progress in Oceanography</i> , 1999, 44, 369-386.	3.2	27
135	A novel selective extraction of barite, and its application to eastern Mediterranean sediments. <i>Earth and Planetary Science Letters</i> , 2002, 198, 11-24.	4.4	26
136	Sequential extraction of iron, manganese and related elements in S1 sapropel sediments, eastern Mediterranean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 190, 79-101.	2.3	26
137	Climate-controlled multidecadal variability in North African dust transport to the Mediterranean. <i>Geology</i> , 2010, 38, 19-22.	4.4	26
138	Molecular and isotopic composition of foraminiferal organic linings. <i>Marine Micropaleontology</i> , 2013, 102, 69-78.	1.2	26
139	Fossil record of holococcoliths and selected hetero-holococcolith associations from the Mediterranean (Holoceneâ€“late Pleistocene): Evaluation of carbonate diagenesis and palaeoecologicalâ€“palaeoenvironmental implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 237, 191-212.	2.3	25
140	Fluid displacive resin embedding of laminated sediments: preserving trace metals for highâ€“resolution paleoclimate investigations. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 16-22.	2.0	25
141	Unraveling North-African riverine and eolian contributions to central Mediterranean sediments during Holocene sapropel S1 formation. <i>Quaternary Science Reviews</i> , 2016, 152, 31-48.	3.0	25
142	Oxygenation variability in Mejillones Bay, off northern Chile, during the last two centuries. <i>Biogeosciences</i> , 2011, 8, 137-146.	3.3	24
143	Provenance of surface sediments along the southeastern Adriatic coast off Italy: An overview. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 134, 45-56.	2.1	24
144	The Glacialâ€“Interglacial transition and Holocene environmental changes in sediments from the Gulf of Taranto, central Mediterranean. <i>Marine Geology</i> , 2014, 348, 88-102.	2.1	24

#	ARTICLE	IF	CITATIONS
145	North-African paleodrainage discharges to the central Mediterranean during the last 18,000 years: A multiproxy characterization. <i>Quaternary Science Reviews</i> , 2017, 163, 95-113.	3.0	24
146	Eastern Mediterranean Deep Water Formation During Sapropel S1: A Reconstruction Using Geochemical Records Along a Bathymetric Transect in the Adriatic Outflow Region. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 409-429.	2.9	23
147	Indication of a diagenetically induced precipitate of an Fe-Si mineral in sediment from the Nares Abyssal Plain, western North Atlantic. <i>Marine Geology</i> , 1986, 73, 85-97.	2.1	22
148	Interstitial water studies of Late Quaternary Eastern Mediterranean sediments with emphasis on early diagenetic reactions and evaporitic salt influences. <i>Marine Geology</i> , 1987, 75, 119-136.	2.1	22
149	New evidence of extensive active mud volcanism in the Anaximander mountains (Eastern Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	1.2	22
150	A combined geochemical and rock-magnetic investigation of a redox horizon at the last glacial/interglacial transition. <i>Physics and Chemistry of the Earth</i> , 2004, 29, 921-931.	2.9	22
151	Fish scales in sediments from off Callao, central Peru. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1124-1135.	1.4	22
152	Limitations of microbial hydrocarbon degradation at the Amon mud volcano (Nile deep-sea fan). <i>Biogeosciences</i> , 2013, 10, 3269-3283.	3.3	22
153	Role of bacteria in marine barite precipitation: A case study using Mediterranean seawater. <i>Science of the Total Environment</i> , 2015, 512-513, 562-571.	8.0	22
154	Early Warning Signals for Marine Anoxic Events. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089183.	4.0	22
155	High-resolution line-scan analysis of resin-embedded sediments using laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS). <i>Chemical Geology</i> , 2015, 403, 42-51.	3.3	21
156	Riverine supply to the eastern Mediterranean during last interglacial sapropel S5 formation: A basin-wide perspective. <i>Chemical Geology</i> , 2018, 485, 74-89.	3.3	21
157	Particulate manganese and iron framboids in Kau Bay, Halmahera (eastern Indonesia). <i>Marine Chemistry</i> , 1988, 23, 353-364.	2.3	20
158	Geochemical composition and inferred accretion rates of sediments and manganese nodules from a submarine hill in the Madeira Abyssal Plain, eastern North Atlantic. <i>Marine Geology</i> , 1992, 109, 171-194.	2.1	20
159	Excess helium and argon of radiogenic origin in Mediterranean brine basins. <i>Earth and Planetary Science Letters</i> , 1997, 151, 225-231.	4.4	20
160	Trace metal analysis of sediment cores using a novel X-ray fluorescence core scanning method. <i>Quaternary International</i> , 2019, 514, 55-67.	1.5	20
161	Geochemical evidence of a massive slide in the southern Norwegian Sea. <i>Nature</i> , 1983, 305, 420-422.	27.8	19
162	The occurrence of gas hydrates in Eastern Mediterranean mud dome structures as indicated by pore-water composition. <i>Geological Society Special Publication</i> , 1998, 137, 167-175.	1.3	19

#	ARTICLE	IF	CITATIONS
163	Divergent Mediterranean seawater circulation during Holocene sapropel formation – Reconstructed using Nd isotopes in fish debris and foraminifera. <i>Earth and Planetary Science Letters</i> , 2019, 511, 141-153.	4.4	19
164	Abnormal carbonate diagenesis in Holocene–late Pleistocene sapropel-associated sediments from the Eastern Mediterranean; evidence from <i>Emiliania huxleyi</i> coccolith morphology. <i>Marine Micropaleontology</i> , 2004, 52, 217-240.	1.2	18
165	Exploring preserved fossil dinoflagellate and haptophyte DNA signatures to infer ecological and environmental changes during deposition of sapropel S1 in the eastern Mediterranean. <i>Paleoceanography</i> , 2011, 26, .	3.0	18
166	Manganese incorporation in living (stained) benthic foraminiferal shells: a bathymetric and in-sediment study in the Gulf of Lions (NW Mediterranean). <i>Biogeosciences</i> , 2018, 15, 6315-6328.	3.3	18
167	Marine productivity, water column processes and seafloor anoxia in relation to Nile discharge during sapropels S1 and S3. <i>Quaternary Science Reviews</i> , 2018, 200, 178-190.	3.0	18
168	Present-day fluxes of coccolithophores and diatoms in the pelagic Ionian Sea. <i>Journal of Marine Systems</i> , 2014, 132, 13-27.	2.1	17
169	The chemical composition and origin of the Tyro brine, eastern Mediterranean. A tentative model. <i>Marine Geology</i> , 1985, 64, 337-342.	2.1	16
170	Deposition of sapropel S1 sediments in oxic pelagic and anoxic brine environments in the eastern Mediterranean: differences in diagenesis and preservation. <i>Marine Geology</i> , 1999, 153, 319-335.	2.1	16
171	Geochemistry of an exotic sediment layer above sapropel S-1: mud expulsion from the Urania Basin, eastern Mediterranean?. <i>Marine Geology</i> , 2003, 197, 49-61.	2.1	16
172	The evolution of the Levantine Iron Age geomagnetic Anomaly captured in Mediterranean sediments. <i>Earth and Planetary Science Letters</i> , 2019, 511, 55-66.	4.4	16
173	Occurrence of thin, metal-rich layers in deep-sea sediments: a geochemical characterization of copper remobilization. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1993, 40, 1713-1730.	1.4	15
174	Benthic phosphorus and iron budgets for three NW African slope sediments: a balance approach. <i>Biogeosciences</i> , 2010, 7, 469-480.	3.3	15
175	Geochemical characteristics of Kau Bay water. <i>Journal of Sea Research</i> , 1989, 24, 583-589.	1.0	13
176	The isolation of Kau Bay during the last glaciation: Direct evidence from interstitial water chlorinity. <i>Journal of Sea Research</i> , 1989, 24, 615-622.	1.0	12
177	Effects of the Santorini (Thera) eruption on manganese behavior in Holocene sediments of the eastern Mediterranean. <i>Earth and Planetary Science Letters</i> , 2006, 241, 188-201.	4.4	11
178	Application of laser ablation-ICP-MS to determine high-resolution elemental profiles across the Cretaceous/Paleogene boundary at Agost (Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 497, 128-138.	2.3	11
179	Suborbital Hydrological Variability Inferred From Coupled Benthic and Planktic Foraminiferal-Based Proxies in the Southeastern Mediterranean During the Last 19 ka. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003827.	2.9	11
180	Abundant Sr-rich aragonite in eastern Mediterranean sapropel S1: Diagenetic vs. detrital/biogenic origin. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 235, 135-148.	2.3	10

#	ARTICLE	IF	CITATIONS
181	Recent, deep-sourced methane/mud discharge at the most active mud volcano in the western Mediterranean. <i>Marine Geology</i> , 2019, 408, 1-17.	2.1	10
182	The Late Holocene tephra record of the central Mediterranean Sea: Mapping occurrences and new potential isochrons for the 4.4â€“2.0 ka time interval. <i>Journal of Quaternary Science</i> , 2020, 35, 213-231.	2.1	10
183	Extensive degradation and fractionation of organic matter during subsurface weathering. <i>Aquatic Geochemistry</i> , 1995, 1, 303-312.	1.3	9
184	Messinian salt fluxes into the present-day Eastern Mediterranean: implications for budget calculations and stagnation. <i>Marine Geology</i> , 1996, 132, 241-251.	2.1	7
185	Determination of major and minor ions in brines by x-ray fluorescence spectrometry: comparison with other common analytical methods. <i>X-Ray Spectrometry</i> , 1999, 28, 168-172.	1.4	6
186	Origin of lipid biomarkers in mud volcanoes from the Alboran Sea, western Mediterranean. <i>Biogeosciences</i> , 2014, 11, 3187-3204.	3.3	6
187	Changes in Magnetic Parameters After Sequential Iron Phase Extraction of Eastern Mediterranean Sapropel S1 Sediments. <i>Studia Geophysica Et Geodaetica</i> , 2004, 48, 345-362.	0.5	5
188	Dynamic surface-water alterations during sapropel S1 preserved in high-resolution shallow-water sediments of Taranto Gulf, central Mediterranean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 534, 109340.	2.3	5
189	Microscale trace-element distribution across the Cretaceous/Palaeogene ejecta layer at the Agost section: Constraining the recovery of pre-impact conditions. <i>Chemical Geology</i> , 2020, 533, 119431.	3.3	5
190	Suspended manganese-rich particles in Kau Bay, Halmahera (eastern Indonesia). <i>Marine Geology</i> , 1988, 82, 251-259.	2.1	4
191	Sediment chemistry of Kau Bay, Halmahera (Eastern Indonesia). <i>Journal of Sea Research</i> , 1989, 24, 607-613.	1.0	4
192	Microfault-like structures in unconsolidated Upper Quaternary sediments from the Madeira Abyssal Plain (eastern North Atlantic). <i>Marine Geology</i> , 1988, 80, 155-159.	2.1	3
193	PreservaciÃ³n y abundancia de escamas de peces en sedimentos del margen continental de Chile (21-36Å°) Tj ETQq _{1,2} 0.784314 rgB ₃	1.1	3
194	High-resolution data from Laser Ablation-ICP-MS and by ICP-OES analyses at the Cretaceous/Paleogene boundary section at Agost (SE Spain). <i>Data in Brief</i> , 2018, 18, 1900-1906.	1.0	3
195	Ferromanganese encrustations on the seabed west of Misool, eastern Indonesia. <i>Journal of Sea Research</i> , 1989, 24, 541-553.	1.0	2
196	Areal sedimentation rate patterns of the southern Nares Abyssal Plain, western N Atlantic. <i>Geological Society Special Publication</i> , 1987, 31, 13-22.	1.3	1
197	Effect of barite-bound Sr on detrital Sr isotope systematics in marine sediments. <i>Chemical Geology</i> , 2021, , 120613.	3.3	0