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List of Publications by Year
in descending order

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86	4,507	87888 38	106344 65
papers	citations	h-index	g-index

88	88	88	3505
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atlas of modern dinoflagellate cyst distribution based on 2405 data points. Review of Palaeobotany and Palynology, 2013, 191, 1-197.	1.5	369
2	Biomacromolecules of Algae and Plants and their Fossil Analogues. Plant Ecology, 2006, 182, 209-233.	1.6	205
3	Preservation of organic-walled dinoflagellate cysts in different oxygen regimes: a 10,000 year natural experiment. Marine Micropaleontology, 1997, 29, 393-405.	1.2	184
4	Palaeoproductivity and post-depositional aerobic organic matter decay reflected by dinoflagellate cyst assemblages of the Eastern Mediterranean S1 sapropel. Marine Geology, 2001, 172, 181-195.	2.1	164
5	Dinoflagellate-based sea surface temperature reconstructions across the Cretaceousâ€“Tertiary boundary. Palaeogeography, Palaeoclimatology, Palaeoecology, 1998, 141, 67-83.	2.3	158
6	Potential palaeoenvironmental information of C24 to C36 mid-chain diols, keto-ols and mid-chain hydroxy fatty acids; a critical review. Organic Geochemistry, 1997, 27, 1-13.	1.8	149
7	Preservation and organic chemistry of Late Cenozoic organic-walled dinoflagellate cysts: A review. Marine Micropaleontology, 2008, 68, 179-197.	1.2	149
8	Taraxerol and Rhizophora pollen as proxies for tracking past mangrove ecosystems. Geochimica Et Cosmochimica Acta, 2004, 68, 411-422.	3.9	129
9	Recognition of cyclic and non-cyclic environmental changes in the Mediterranean Pliocene: A palynological approach. Marine Micropaleontology, 1994, 23, 147-183.	1.2	121
10	Postdepositional oxic degradation of alkenones: Implications for the measurement of palaeo sea surface temperatures. Paleoceanography, 1998, 13, 42-49.	3.0	117
11	Resistant macromolecules of extant and fossil microalgae. Phycological Research, 2004, 52, 325-339.	1.6	98
12	Use of selective degradation to separate preservation from productivity. Geology, 2002, 30, 615.	4.4	96
13	U37Kâ€² values for Isochrysis galbana as a function of culture temperature, light intensity and nutrient concentrations. Organic Geochemistry, 2001, 32, 785-794.	1.8	95
14	Core-top calibration of the lipid-based U37Kâ€² and TEX86 temperature proxies on the southern Italian shelf (SW Adriatic Sea, Gulf of Taranto). Earth and Planetary Science Letters, 2010, 300, 112-124.	4.4	95
15	Mechanisms forcing abrupt fluctuations of the indian ocean summer monsoon during the last deglaciation. Quaternary Science Reviews, 1997, 16, 187-201.	3.0	80
16	Solar Forcing of Climate. 2: Evidence from the Past. Space Science Reviews, 2005, 120, 243-286.	8.1	78
17	An example of oxidative polymerization of unsaturated fatty acids as a preservation pathway for dinoflagellate organic matter. Organic Geochemistry, 2004, 35, 1129-1139.	1.8	76
18	Palynology, organic geochemistry and carbon isotope analysis of a latest Ordovician through Silurian clastic succession from borehole Tt1, Ghadamis Basin, southern Tunisia, North Africa: Palaeoenvironmental interpretation. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 273, 378-394.	2.3	74

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19	An experimental field study to test the stability of lipids used for the TEX86 and palaeothermometers. Geochimica Et Cosmochimica Acta, 2009, 73, 2888-2898.	3.9	73
20	Integrated marine and terrestrial evidence for abrupt Congo River palaeodischarge fluctuations during the last deglaciation. Journal of Quaternary Science, 2001, 16, 761-766.	2.1	66
21	Identification of polar lipid precursors of the ubiquitous branched GDGT orphan lipids in a peat bog in Northern Germany. Organic Geochemistry, 2010, 41, 653-660.	1.8	66
22	Determination of (palaeo-)ecological preferences of dinoflagellates by applying Detrended and Canonical Correspondence analysis to Late Pliocene dinoflagellate cyst assemblages of the south Italian Singa section. Review of Palaeobotany and Palynology, 1994, 84, 181-199.	1.5	64
23	Mid-chain diols and keto-ols in se atlantic sediments: a new tool for tracing past sea surface water masses?. Geochimica Et Cosmochimica Acta, 2000, 64, 1879-1892.	3.9	61
24	Distribution of intact and core tetraether lipids in water column profiles of suspended particulate matter off Cape Blanc, NW Africa. Organic Geochemistry, 2014, 72, 1-13.	1.8	59
25	Establishing an Agenda for Calcareous Dinoflagellate Research (Thoracosphaeraceae, Dinophyceae) including a nomenclatural synopsis of generic names. Taxon, 2008, 57, 1289-1303.	0.7	57
26	Differences in the chemical composition of organicâ€walled dinoflagellate resting cysts from phototrophic and heterotrophic dinoflagellates. Journal of Phycology, 2014, 50, 254-266.	2.3	56
27	Cryogenian evolution of stigmasteroid biosynthesis. Science Advances, 2017, 3, e1700887.	10.3	56
28	The onset of major Northern Hemisphere glaciations and their impact on dinoflagellate cysts and acritarchs from the Singa section, Calabria (southern Italy) and DSDP Holes 607/607A (North Atlantic). Marine Micropaleontology, 1997, 30, 319-343.	1.2	54
29	Infra red spectroscopy, flash pyrolysis, thermally assisted hydrolysis and methylation (THM) in the presence of tetramethylammonium hydroxide (TMAH) of cultured and sediment-derived Lingulodinium polyedrum (Dinoflagellata) cyst walls. Organic Geochemistry, 2012, 43, 92-102.	1.8	53
30	The 2.1 Ga Old Francevillian Biota: Biogenicity, Taphonomy and Biodiversity. PLoS ONE, 2014, 9, e99438.	2.5	53
31	The use of dinoflagellate cysts to separate human-induced from natural variability in the trophic state of the Po River discharge plume over the last two centuries. Marine Pollution Bulletin, 2012, 64, 114-132.	5.0	51
32	High-resolution last deglaciation record from the Congo fan reveals significance of mangrove pollen and biomarkers as indicators of shelf transgression. Quaternary Research, 2005, 64, 57-69.	1.7	47
33	Stratification of archaeal membrane lipids in the ocean and implications for adaptation and chemotaxonomy of planktonic archaea. Environmental Microbiology, 2016, 18, 4324-4336.	3.8	47
34	Lipid biomarkers as major source and preservation indicators in SE Atlantic surface sediments. Deep-Sea Research Part I: Oceanographic Research Papers, 2004, 51, 1199-1228.	1.4	46
35	Aliphatic and aromatic biomarkers from Carboniferous coal deposits at Dunbar (East Lothian,) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Palaeoclimatology, Palaeoecology, 2011, 309, 309-326.	2.3	46
36	Distribution and stable isotopes of plant wax derived n-alkanes in lacustrine, fluvial and marine surface sediments along an Eastern Italian transect and their potential to reconstruct the hydrological cycle. Geochimica Et Cosmochimica Acta, 2013, 117, 16-32.	3.9	44

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37	Lateâ€Holocene succession of dinoflagellates in an Antarctic fjord using a multiâ€proxy approach: paleoenvironmental genomics, lipid biomarkers and palynomorphs. Geobiology, 2009, 7, 265-281.	2.4	42
38	Orbital signatures in a late Miocene dinoflagellate record from Crete (Greece). Marine Micropaleontology, 1998, 33, 273-297.	1.2	41
39	What do SST proxies really tell us? A high-resolution multiproxy (UKâ€²37, TEXH86 and foraminifera Î´18O) study in the Gulf of Taranto, central Mediterranean Sea. Quaternary Science Reviews, 2013, 73, 115-131.	3.0	41
40	Occurrence of retene in upper Silurianâ€“lower Devonian sediments from North Africa: Origin and implications. Organic Geochemistry, 2010, 41, 302-306.	1.8	40
41	Aliphatic and aromatic biomarkers from Gondwanan sediments of Late Ordovician to Early Devonian age: An early terrestrialization approach. Organic Geochemistry, 2011, 42, 605-617.	1.8	40
42	Sources and distribution of isoprenoid glycerol dialkyl glycerol tetraethers (GDGTs) in sediments from the east coastal sea of China: Application of GDGT-based paleothermometry to a shallow marginal sea. Organic Geochemistry, 2014, 75, 24-35.	1.8	40
43	Organic-walled dinoflagellate cyst production in relation to upwelling intensity and lithogenic influx in the Cape Blanc region (off north-west Africa). Phycological Research, 2005, 53, 97-112.	1.6	40
44	Temperature and productivity influences on U₃₇^{Kâ€²} and their possible relation to solar forcing of the Mediterranean winter. Geochemistry, Geophysics, Geosystems, 2007, 8, .	2.5	39
45	Do Planetary Motions Drive Solar Variability?. Solar Physics, 2005, 229, 175-179.	2.5	38
46	A DISCUSSION AND PROPOSAL CONCERNING THE USE OF THE TERM CALCISPHERES. Palaeontology, 2009, 52, 343-348.	2.2	36
47	Variations in calcareous dinoflagellate associations from the Maastrichtian to Middle Eocene of the western South Atlantic Ocean (SÃ£o Paulo Plateau, DSDP Leg 39, Site 356). Review of Palaeobotany and Palynology, 1999, 106, 57-87.	1.5	34
48	Rapid and simultaneous analysis of three molecular sea surface temperature proxies and application to sediments from the Sea of Marmara. Organic Geochemistry, 2015, 85, 42-53.	1.8	34
49	The relation between productivity and temperature in the Pliocene North Atlantic at the onset of northern hemisphere glaciation: a palynological study. Global and Planetary Change, 1996, 11, 155-165.	3.5	33
50	New genera and species of dinoflagellate cysts from the Mediterranean Neogene. Review of Palaeobotany and Palynology, 1995, 85, 213-229.	1.5	32
51	Impacts of rapid sea-level rise on mangrove deposit erosion: application of taraxerol andRhizophora records. Journal of Quaternary Science, 2005, 20, 221-225.	2.1	32
52	The effect of meter-scale lateral oxygen gradients at the sediment-water interface on selected organic matter based alteration, productivity and temperature proxies. Biogeosciences, 2012, 9, 1553-1570.	3.3	32
53	Tetraether lipids from the southern Yellow Sea of China: Implications for the variability of East Asia Winter Monsoon in the Holocene. Organic Geochemistry, 2014, 70, 10-19.	1.8	31
54	New Pliocene and Pleistocene calcareous dinoflagellate cysts from southern Italy and Crete. Review of Palaeobotany and Palynology, 1993, 78, 353-380.	1.5	30

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55	Macromolecular composition of the dinoflagellate cyst Thalassiphora pelagica (Oligocene, SW) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	30
56	Selective aerobic and anaerobic degradation of lipids and palynomorphs in the Eastern Mediterranean since the onset of sapropel S1 deposition. Marine Geology, 2010, 278, 177-192.	2.1	29
57	A palynological reconstruction of the Agulhas Retroflection (South Atlantic Ocean) during the Late Quaternary. Global and Planetary Change, 2004, 41, 31-62.	3.5	28
58	Short term climate variability during â€œRoman Classical Periodâ€•in the eastern Mediterranean. Quaternary Science Reviews, 2011, 30, 3880-3891.	3.0	28
59	The composition and diversity of dinosporin in species of the Apectodinium complex (Dinoflagellata). Review of Palaeobotany and Palynology, 2012, 183, 21-31.	1.5	27
60	The Glacialâ€“Interglacial transition and Holocene environmental changes in sediments from the Gulf of Taranto, central Mediterranean. Marine Geology, 2014, 348, 88-102.	2.1	24
61	The dinoflagellate cyst generaAchomosphaeraEvitt 1963 andSpiniferitesMantell 1850 in Pliocene to modern sediments: a summary of round table discussions. Palynology, 2018, 42, 10-44.	1.5	21
62	The cyst-theca relationship of the dinoflagellate cystTrinovantedinium pallidifulvum, with erection ofProtoperidinium lousianensissp. nov. and their phylogenetic position within theConicagroup. Palynology, 2017, 41, 183-202.	1.5	20
63	Postdepositional aerobic and anaerobic particulate organic matter degradation succession reflected by dinoflagellate cysts: The Madeira Abyssal Plain revisited. Marine Geology, 2019, 408, 87-109.	2.1	16
64	Species-specific sensitivity of dinoflagellate cysts to aerobic degradation: A five-year natural exposure experiment. Review of Palaeobotany and Palynology, 2017, 247, 175-187.	1.5	15
65	Linking biological and geological data on dinoflagellates using the genusSpiniferitesas an example: the implications of species concepts, taxonomy and dual nomenclature. Palynology, 2018, 42, 221-230.	1.5	15
66	Chemical fingerprinting of algaenans using RuO4 degradation. Organic Geochemistry, 2006, 37, 871-881.	1.8	14
67	An organic geochemical perspective on terrestrialization. Geological Society Special Publication, 2010, 339, 11-36.	1.3	13
68	Geochemistry of Middle Holocene sediments from south Yellow Sea: Implications to provenance and climate change. Journal of Earth Science (Wuhan, China), 2016, 27, 751-762.	3.2	13
69	Detection of microbial biomass in subseafloor sediment by pyrolysisâ¿¿GC/MS. Journal of Analytical and Applied Pyrolysis, 2016, 118, 175-180.	5.5	13
70	Silurian calcispheres (Calcitarcha) of Gotland (Sweden): Comparisons with calcareous dinoflagellates. Comptes Rendus - Palevol, 2009, 8, 527-534.	0.2	12
71	Periodical breakdown of the Arabian Sea oxygen minimum zone caused by deep convective mixing. Geological Society Special Publication, 2002, 195, 407-419.	1.3	10
72	Paleoclimate of the Southern Adriatic Sea region during the â€˜Medieval Climate Anomalyâ€™ reflected by organic walled dinoflagellate cysts. Holocene, 2013, 23, 645-655.	1.7	10

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73	Protosalvinia revisited, new evidence for a land plant affinity. Review of Palaeobotany and Palynology, 2016, 227, 52-64.	1.5	9
74	Transport of organic-walled dinoflagellate cysts in nepheloid layers off Cape Blanc (N-W Africa). Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 139, 55-67.	1.4	9
75	Evolution of the East China Sea sedimentary environment in the past 14 kyr: Insights from tetraethers-based proxies. Science China Earth Sciences, 2016, 59, 927-938.	5.2	8
76	Quantitative analysis of diverse sporomorph-derived sporopollenins. Phytochemistry, 2019, 162, 207-215.	2.9	8
77	Palaeoenvironmental changes of the early Pliocene (Zanclean) in the eastern Mediterranean Pissouri Basin (Cyprus) evidenced from calcareous dinoflagellate cyst assemblages. Marine Micropaleontology, 2009, 73, 49-56.	1.2	7
78	Geochemical consequences of oxygen diffusion from the oceanic crust into overlying sediments and its significance for biogeochemical cycles based on sediments of the northeast Pacific. Biogeosciences, 2021, 18, 4965-4984.	3.3	6
79	Better molecular preservation of organic matter in an oxic than in a sulfidic depositional environment: evidence from <i>Thalassiphora pelagica</i> (Dinoflagellata,) Tj ETQq1 1 0.784314 rgBT /Ov	3.3	6
80	Laser Raman micro-spectroscopy of Proterozoic and Palaeozoic organic-walled microfossils (acritarchs and prasinophytes) from the Ghadamis Basin, Libya and Volta Basin, Ghana. Spectroscopy, 2010, 24, 207-212.	0.8	5
81	Detection of new long-chain mid-chain keto-ol isomers from marine sediments by means of HPLCâ€“APCI-MS and comparison with long-chain mid-chain diols from the same samples. Organic Geochemistry, 2019, 133, 92-102.	1.8	5
82	<i>Tetratropis terrina</i> sp. nov., a new calcareous dinoflagellate cyst from the Upper Campanian <i>polyplocum</i> zone of LÃgerdorf (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.6	4
83	Internally and externally forced climate variability: A dynamical systems approach using the central England temperature record. Geophysical Research Letters, 2001, 28, 759-762.	4.0	3
84	Calcareous dinoflagellate turnover in relation to the Messinian salinity crisis in the eastern Mediterranean Pissouri Basin, Cyprus. Journal of Micropalaeontology, 2007, 26, 103-116.	3.6	3
85	Nucicla umbiliphora gen. et sp. nov.: a Quaternary peridinioid dinoflagellate cyst from the Antarctic margin. Palynology, 2019, 43, 94-103.	1.5	3
86	Export flux succession of dinoflagellate cysts and planktonic foraminifera in an active upwelling cell off Cape Blanc (NW Africa). European Journal of Phycology, 2022, 57, 29-47.	2.0	2