

# Gerardus J M Versteegh

## List of Publications by Year in descending order

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86  
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4,507  
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87723

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106150

65  
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docs citations

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times ranked

3505  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atlas of modern dinoflagellate cyst distribution based on 2405 data points. <i>Review of Palaeobotany and Palynology</i> , 2013, 191, 1-197.	0.8	369
2	Biomacromolecules of Algae and Plants and their Fossil Analogues. <i>Plant Ecology</i> , 2006, 182, 209-233.	0.7	205
3	Preservation of organic-walled dinoflagellate cysts in different oxygen regimes: a 10,000 year natural experiment. <i>Marine Micropaleontology</i> , 1997, 29, 393-405.	0.5	184
4	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.	0.9	164
5	Dinoflagellate-based sea surface temperature reconstructions across the Cretaceous-Tertiary boundary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1998, 141, 67-83.	1.0	158
6	Potential palaeoenvironmental information of C24 to C36 mid-chain diols, keto-ols and mid-chain hydroxy fatty acids; a critical review. <i>Organic Geochemistry</i> , 1997, 27, 1-13.	0.9	149
7	Preservation and organic chemistry of Late Cenozoic organic-walled dinoflagellate cysts: A review. <i>Marine Micropaleontology</i> , 2008, 68, 179-197.	0.5	149
8	Taraxerol and Rhizophora pollen as proxies for tracking past mangrove ecosystems. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 411-422.	1.6	129
9	Recognition of cyclic and non-cyclic environmental changes in the Mediterranean Pliocene: A palynological approach. <i>Marine Micropaleontology</i> , 1994, 23, 147-183.	0.5	121
10	Postdepositional oxic degradation of alkenones: Implications for the measurement of palaeo sea surface temperatures. <i>Paleoceanography</i> , 1998, 13, 42-49.	3.0	117
11	Resistant macromolecules of extant and fossil microalgae. <i>Phycological Research</i> , 2004, 52, 325-339.	0.8	98
12	Use of selective degradation to separate preservation from productivity. <i>Geology</i> , 2002, 30, 615.	2.0	96
13	$\delta^{13}C$ values for <i>Isochrysis galbana</i> as a function of culture temperature, light intensity and nutrient concentrations. <i>Organic Geochemistry</i> , 2001, 32, 785-794.	0.9	95
14	Core-top calibration of the lipid-based $\delta^{13}C$ and TEX86 temperature proxies on the southern Italian shelf (SW Adriatic Sea, Gulf of Taranto). <i>Earth and Planetary Science Letters</i> , 2010, 300, 112-124.	1.8	95
15	Mechanisms forcing abrupt fluctuations of the Indian Ocean summer monsoon during the last deglaciation. <i>Quaternary Science Reviews</i> , 1997, 16, 187-201.	1.4	80
16	Solar Forcing of Climate. 2: Evidence from the Past. <i>Space Science Reviews</i> , 2005, 120, 243-286.	3.7	78
17	An example of oxidative polymerization of unsaturated fatty acids as a preservation pathway for dinoflagellate organic matter. <i>Organic Geochemistry</i> , 2004, 35, 1129-1139.	0.9	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. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 273, 378-394.	1.0	74

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19	An experimental field study to test the stability of lipids used for the TEX86 and palaeothermometers. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2888-2898.	1.6	73
20	Integrated marine and terrestrial evidence for abrupt Congo River palaeodischarge fluctuations during the last deglaciation. <i>Journal of Quaternary Science</i> , 2001, 16, 761-766.	1.1	66
21	Identification of polar lipid precursors of the ubiquitous branched GDGT orphan lipids in a peat bog in Northern Germany. <i>Organic Geochemistry</i> , 2010, 41, 653-660.	0.9	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. <i>Review of Palaeobotany and Palynology</i> , 1994, 84, 181-199.	0.8	64
23	Mid-chain diols and keto-ols in se atlantic sediments: a new tool for tracing past sea surface water masses?. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 1879-1892.	1.6	61
24	Distribution of intact and core tetraether lipids in water column profiles of suspended particulate matter off Cape Blanc, NW Africa. <i>Organic Geochemistry</i> , 2014, 72, 1-13.	0.9	59
25	Establishing an Agenda for Calcareous Dinoflagellate Research (Thoracosphaeraceae, Dinophyceae) including a nomenclatural synopsis of generic names. <i>Taxon</i> , 2008, 57, 1289-1303.	0.4	57
26	Differences in the chemical composition of organic-walled dinoflagellate resting cysts from phototrophic and heterotrophic dinoflagellates. <i>Journal of Phycology</i> , 2014, 50, 254-266.	1.0	56
27	Cryogenian evolution of stigmasteroid biosynthesis. <i>Science Advances</i> , 2017, 3, e1700887.	4.7	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). <i>Marine Micropaleontology</i> , 1997, 30, 319-343.	0.5	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 <i>Lingulodinium polyedrum</i> (Dinoflagellata) cyst walls. <i>Organic Geochemistry</i> , 2012, 43, 92-102.	0.9	53
30	The 2.1 Ga Old Francevillian Biota: Biogenicity, Taphonomy and Biodiversity. <i>PLoS ONE</i> , 2014, 9, e99438.	1.1	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. <i>Marine Pollution Bulletin</i> , 2012, 64, 114-132.	2.3	51
32	High-resolution last deglaciation record from the Congo fan reveals significance of mangrove pollen and biomarkers as indicators of shelf transgression. <i>Quaternary Research</i> , 2005, 64, 57-69.	1.0	47
33	Stratification of archaeal membrane lipids in the ocean and implications for adaptation and chemotaxonomy of planktonic archaea. <i>Environmental Microbiology</i> , 2016, 18, 4324-4336.	1.8	47
34	Lipid biomarkers as major source and preservation indicators in SE Atlantic surface sediments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1199-1228.	0.6	46
35	Aliphatic and aromatic biomarkers from Carboniferous coal deposits at Dunbar (East Lothian, Scotland). <i>Palaeoclimatology, Palaeoecology</i> , 2011, 309, 309-326.	1.0	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. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 117, 16-32.	1.6	44

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37	Late-Holocene succession of dinoflagellates in an Antarctic fjord using a multi-proxy approach: paleoenvironmental genomics, lipid biomarkers and palynomorphs. <i>Geobiology</i> , 2009, 7, 265-281.	1.1	42
38	Orbital signatures in a late Miocene dinoflagellate record from Crete (Greece). <i>Marine Micropaleontology</i> , 1998, 33, 273-297.	0.5	41
39	What do SST proxies really tell us? A high-resolution multiproxy (UK <sup>237</sup> , TEX <sup>86</sup> and foraminifera $\delta^{18}O$ ) study in the Gulf of Taranto, central Mediterranean Sea. <i>Quaternary Science Reviews</i> , 2013, 73, 115-131.	1.4	41
40	Occurrence of retene in upper Silurian-lower Devonian sediments from North Africa: Origin and implications. <i>Organic Geochemistry</i> , 2010, 41, 302-306.	0.9	40
41	Aliphatic and aromatic biomarkers from Gondwanan sediments of Late Ordovician to Early Devonian age: An early terrestrialization approach. <i>Organic Geochemistry</i> , 2011, 42, 605-617.	0.9	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. <i>Organic Geochemistry</i> , 2014, 75, 24-35.	0.9	40
43	Organic-walled dinoflagellate cyst production in relation to upwelling intensity and lithogenic influx in the Cape Blanc region (off north-west Africa). <i>Phycological Research</i> , 2005, 53, 97-112.	0.8	40
44	Temperature and productivity influences on $U^{37}$ and their possible relation to solar forcing of the Mediterranean winter. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, .	1.0	39
45	Do Planetary Motions Drive Solar Variability?. <i>Solar Physics</i> , 2005, 229, 175-179.	1.0	38
46	A DISCUSSION AND PROPOSAL CONCERNING THE USE OF THE TERM CALCISPHERES. <i>Palaeontology</i> , 2009, 52, 343-348.	1.0	36
47	Variations in calcareous dinoflagellate associations from the Maastrichtian to Middle Eocene of the western South Atlantic Ocean (São Paulo Plateau, DSDP Leg 39, Site 356). <i>Review of Palaeobotany and Palynology</i> , 1999, 106, 57-87.	0.8	34
48	Rapid and simultaneous analysis of three molecular sea surface temperature proxies and application to sediments from the Sea of Marmara. <i>Organic Geochemistry</i> , 2015, 85, 42-53.	0.9	34
49	The relation between productivity and temperature in the Pliocene North Atlantic at the onset of northern hemisphere glaciation: a palynological study. <i>Global and Planetary Change</i> , 1996, 11, 155-165.	1.6	33
50	New genera and species of dinoflagellate cysts from the Mediterranean Neogene. <i>Review of Palaeobotany and Palynology</i> , 1995, 85, 213-229.	0.8	32
51	Impacts of rapid sea-level rise on mangrove deposit erosion: application of taraxerol and Rhizophora records. <i>Journal of Quaternary Science</i> , 2005, 20, 221-225.	1.1	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. <i>Biogeosciences</i> , 2012, 9, 1553-1570.	1.3	32
53	Tetraether lipids from the southern Yellow Sea of China: Implications for the variability of East Asia Winter Monsoon in the Holocene. <i>Organic Geochemistry</i> , 2014, 70, 10-19.	0.9	31
54	New Pliocene and Pleistocene calcareous dinoflagellate cysts from southern Italy and Crete. <i>Review of Palaeobotany and Palynology</i> , 1993, 78, 353-380.	0.8	30

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55	Macromolecular composition of the dinoflagellate cyst <i>Thalassiphora pelagica</i> (Oligocene, SW Tj ETQq1 1 0.784314,rgBT /Oyerlock 10	0.9	30
56	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.	0.9	29
57	A palynological reconstruction of the Agulhas Retroflexion (South Atlantic Ocean) during the Late Quaternary. <i>Global and Planetary Change</i> , 2004, 41, 31-62.	1.6	28
58	Short term climate variability during "Roman Classical Period" in the eastern Mediterranean. <i>Quaternary Science Reviews</i> , 2011, 30, 3880-3891.	1.4	28
59	The composition and diversity of dinosporin in species of the <i>Apectodinium</i> complex (Dinoflagellata). <i>Review of Palaeobotany and Palynology</i> , 2012, 183, 21-31.	0.8	27
60	The Glacial-Interglacial transition and Holocene environmental changes in sediments from the Gulf of Taranto, central Mediterranean. <i>Marine Geology</i> , 2014, 348, 88-102.	0.9	24
61	The dinoflagellate cyst genera <i>Achomosphaera</i> Evitt 1963 and <i>Spiniferites</i> Mantell 1850 in Pliocene to modern sediments: a summary of round table discussions. <i>Palynology</i> , 2018, 42, 10-44.	0.7	21
62	The cyst-theca relationship of the dinoflagellate cyst <i>Trinovantedinium pallidifulum</i> , with erection of <i>Protoperidinium lousianensis</i> sp. nov. and their phylogenetic position within the <i>Conica</i> group. <i>Palynology</i> , 2017, 41, 183-202.	0.7	20
63	Postdepositional aerobic and anaerobic particulate organic matter degradation succession reflected by dinoflagellate cysts: The Madeira Abyssal Plain revisited. <i>Marine Geology</i> , 2019, 408, 87-109.	0.9	16
64	Species-specific sensitivity of dinoflagellate cysts to aerobic degradation: A five-year natural exposure experiment. <i>Review of Palaeobotany and Palynology</i> , 2017, 247, 175-187.	0.8	15
65	Linking biological and geological data on dinoflagellates using the genus <i>Spiniferites</i> as an example: the implications of species concepts, taxonomy and dual nomenclature. <i>Palynology</i> , 2018, 42, 221-230.	0.7	15
66	Chemical fingerprinting of algaenans using RuO4 degradation. <i>Organic Geochemistry</i> , 2006, 37, 871-881.	0.9	14
67	An organic geochemical perspective on terrestrialization. <i>Geological Society Special Publication</i> , 2010, 339, 11-36.	0.8	13
68	Geochemistry of Middle Holocene sediments from south Yellow Sea: Implications to provenance and climate change. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 751-762.	1.1	13
69	Detection of microbial biomass in subseafloor sediment by pyrolysis-GC/MS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 118, 175-180.	2.6	13
70	Silurian calcispheres ( <i>Calcitarcha</i> ) of Gotland (Sweden): Comparisons with calcareous dinoflagellates. <i>Comptes Rendus - Palevol</i> , 2009, 8, 527-534.	0.1	12
71	Periodical breakdown of the Arabian Sea oxygen minimum zone caused by deep convective mixing. <i>Geological Society Special Publication</i> , 2002, 195, 407-419.	0.8	10
72	Paleoclimate of the Southern Adriatic Sea region during the "Medieval Climate Anomaly" reflected by organic walled dinoflagellate cysts. <i>Holocene</i> , 2013, 23, 645-655.	0.9	10

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73	Protosalvinia revisited, new evidence for a land plant affinity. Review of Palaeobotany and Palynology, 2016, 227, 52-64.	0.8	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.	0.6	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.	2.3	8
76	Quantitative analysis of diverse sporomorph-derived sporopollenins. Phytochemistry, 2019, 162, 207-215.	1.4	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.	0.5	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.	1.3	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 ETQq1130.784334 rgBT / Overlock 10 Tf	0.784334	6
80	Laser Raman micro-spectroscopy of Proterozoic and Palaeozoic organic-walled microfossils (acritarchs and prasinophytes) from the Chadamis 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 HPLC-APCI-MS and comparison with long-chain mid-chain diols from the same samples. Organic Geochemistry, 2019, 133, 92-102.	0.9	5
82	<i>Tetratropis terrina</i> sp. nov., a new calcareous dinoflagellate cyst from the Upper Campanian <i>polyplocum</i> zone of LÅgerdorf (NW) Tj ETQq0 0 0 rgBT / Overlock 10 Tf	0.784334	5
83	Internally and externally forced climate variability: A dynamical systems approach using the central England temperature record. Geophysical Research Letters, 2001, 28, 759-762.	1.5	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.	1.3	3
85	<i>Nucicla umbiliphora</i> gen. et sp. nov.: a Quaternary peridinioid dinoflagellate cyst from the Antarctic margin. Palynology, 2019, 43, 94-103.	0.7	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.	0.9	2