

George A Wolff

List of Publications by Year in descending order

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107
papers

5,175
citations

66234

42
h-index

98622

67
g-index

107
all docs

107
docs citations

107
times ranked

4719
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term change in the megabenthos of the Porcupine Abyssal Plain (NE Atlantic). <i>Progress in Oceanography</i> , 2001, 50, 325-348.	1.5	244
2	Hydroxamate Siderophores: Occurrence and Importance in the Atlantic Ocean. <i>Environmental Science & Technology</i> , 2008, 42, 8675-8680.	4.6	217
3	Phosphorus cycling in the North and South Atlantic Ocean subtropical gyres. <i>Nature Geoscience</i> , 2008, 1, 439-443.	5.4	212
4	Material supply to the abyssal seafloor in the Northeast Atlantic. <i>Progress in Oceanography</i> , 2001, 50, 27-63.	1.5	203
5	A Picture on the Wall: Innovative Mapping Reveals Cold-Water Coral Refuge in Submarine Canyon. <i>PLoS ONE</i> , 2011, 6, e28755.	1.1	150
6	A biological marker investigation of petroleum and shales from the Shengli oilfield, The People's Republic of China. <i>Chemical Geology</i> , 1982, 35, 1-31.	1.4	117
7	Nematode diversity and its relation to the quantity and quality of sedimentary organic matter in the deep Nazaré Canyon, Western Iberian Margin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 1521-1539.	0.6	114
8	Global carbon isotopic events associated with mass extinction and glaciation in the late Ordovician. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1997, 132, 195-210.	1.0	112
9	Novel Monoaromatic triterpenoid hydrocarbons occurring in sediments. <i>Tetrahedron</i> , 1989, 45, 6721-6728.	1.0	111
10	The late-Holocene history of Gormire Lake (NE England) and its catchment: a multiproxy reconstruction of past human impact. <i>Holocene</i> , 2003, 13, 677-690.	0.9	103
11	Is long-term change in the abyssal Northeast Atlantic driven by qualitative changes in export flux? Evidence from selective feeding in deep-sea holothurians. <i>Progress in Oceanography</i> , 2003, 59, 409-441.	1.5	96
12	Organic matter in deep-sea sediments from the Porcupine Abyssal Plain in the north-east Atlantic Ocean. ¹³ C Lipids. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1994, 41, 787-819.	0.6	92
13	Organic matter assimilation and selective feeding by holothurians in the deep sea: some observations and comments. <i>Progress in Oceanography</i> , 2001, 50, 407-421.	1.5	91
14	The origin and fate of 4-methyl steroid hydrocarbons. I. Diagenesis of 4-methyl sterenes. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 335-342.	1.6	88
15	Distribution of dissolved organic nutrients and their effect on export production over the Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	88
16	Europe's Grand Canyon: Nazaré Submarine Canyon. <i>Oceanography</i> , 2009, 22, 46-57.	0.5	86
17	Temporal patterns among meiofauna and macrofauna taxa related to changes in sediment geochemistry at an abyssal NE Atlantic site. <i>Progress in Oceanography</i> , 2001, 50, 303-324.	1.5	85
18	Sedimentary and diagenetic markers of the restriction in a marine basin: the Lorca Basin (SE Spain) during the Messinian. <i>Sedimentary Geology</i> , 1998, 121, 23-55.	1.0	83

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19	Lipids and nitrogen isotopes of two deep-water corals from the North-East Atlantic: initial results and implications for their nutrition. , 2005, , 715-729.		81
20	The biogeochemistry of lipids in rivers of the Orinoco Basin. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 4507-4522.	1.6	80
21	Controls on the organic chemical composition of settling particles in the Northeast Atlantic Ocean. <i>Progress in Oceanography</i> , 2001, 50, 65-87.	1.5	74
22	Organic matter quality and supply to deep-water coral/mound systems of the NW European Continental Margin. <i>International Journal of Earth Sciences</i> , 2007, 96, 159-170.	0.9	71
23	Organic biogeochemistry of the Darwin Mounds, a deep-water coral ecosystem, of the NE Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1937-1954.	0.6	70
24	Carbonate counter pump stimulated by natural iron fertilization in the Polar Frontal Zone. <i>Nature Geoscience</i> , 2014, 7, 885-889.	5.4	70
25	Physical supply of nitrogen to phytoplankton in the Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	1.9	69
26	Production of siderophore type chelates in Atlantic Ocean waters enriched with different carbon and nitrogen sources. <i>Marine Chemistry</i> , 2011, 124, 90-99.	0.9	67
27	Diatom resting spore ecology drives enhanced carbon export from a naturally iron-fertilized bloom in the Southern Ocean. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	67
28	Temporal variations in fatty acid composition of deep-sea holothurians: evidence of benthic-pelagic coupling. <i>Marine Ecology - Progress Series</i> , 2004, 281, 109-120.	0.9	67
29	Efficient burial of carbon in a submarine canyon. <i>Geology</i> , 2010, 38, 831-834.	2.0	65
30	Cold-Water Corals on the Tisler Reef: Preliminary observations on the dynamic reef environment. <i>Oceanography</i> , 2009, 22, 76-84.	0.5	59
31	Origin of sulfur rich oils and H ₂ S in Tertiary lacustrine sections of the Jinxian Sag, Bohai Bay Basin, China. <i>Applied Geochemistry</i> , 2005, 20, 1427-1444.	1.4	58
32	Does the transport of dissolved organic nutrients affect export production in the Atlantic Ocean?. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	1.9	58
33	Megafauna Can Control the Quality of Organic Matter in Marine Sediments. <i>Die Naturwissenschaften</i> , 1999, 86, 320-324.	0.6	57
34	Molecular marker records of land use change. <i>Organic Geochemistry</i> , 2003, 34, 105-119.	0.9	56
35	Determination of particulate organic carbon (POC) in seawater: The relative methodological importance of artificial gains and losses in two glass-fiber-filter-based techniques. <i>Marine Chemistry</i> , 2007, 105, 208-228.	0.9	53
36	Lipid biomarkers in Holocene and glacial sediments from ancient Lake Ohrid (Macedonia, Albania). <i>Biogeosciences</i> , 2010, 7, 3473-3489.	1.3	52

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37	Structural and functional diversity of Nematoda in relation with environmental variables in the Set�bal and Cascais canyons, Western Iberian Margin. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 2354-2368.	0.6	50
38	Porphyryns with a novel exocyclic ring system in an oil shale. Tetrahedron, 1984, 40, 4033-4039.	1.0	49
39	Incorporation of sulphur into phytol derivatives during simulated early diagenesis. Organic Geochemistry, 1993, 20, 1-5.	0.9	49
40	Fluxes of phytopigments and labile organic matter to the deep ocean in the NE Atlantic Ocean. Progress in Oceanography, 2001, 50, 89-104.	1.5	49
41	Geochemistry of an early diagenetic concretion from the Birchi Bed (L. Lias, W. Dorset, U.K.). Organic Geochemistry, 1992, 19, 431-444.	0.9	48
42	Biogeochemical signatures of nitrogen fixation in the eastern North Atlantic. Geophysical Research Letters, 2003, 30, .	1.5	46
43	The Effects of Natural Iron Fertilisation on Deep-Sea Ecology: The Crozet Plateau, Southern Indian Ocean. PLoS ONE, 2011, 6, e20697.	1.1	46
44	A preliminary investigation of the lipids of abyssal holothurians from the north-east Atlantic Ocean. Journal of the Marine Biological Association of the United Kingdom, 2000, 80, 139-146.	0.4	44
45	Disturbance, productivity and diversity in deep-sea canyons: A worm's eye view. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 2448-2460.	0.6	44
46	High-performance liquid chromatographic analysis of free-base porphyryns. Journal of Chromatography A, 1986, 368, 1-9.	1.8	43
47	Temporal and spatial variation in the Nazar� Canyon (Western Iberian margin): Inter-annual and canyon heterogeneity effects on meiofauna biomass and diversity. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 83, 102-114.	0.6	43
48	The environmental and evolutionary history of Lake Ohrid (FYROM/Albania): interim results from the SCOPSCO deep drilling project. Biogeosciences, 2017, 14, 2033-2054.	1.3	43
49	Landscape-scale spatial heterogeneity in phytodetrital cover and megafauna biomass in the abyss links to modest topographic variation. Scientific Reports, 2016, 6, 34080.	1.6	42
50	The influence of changing food supply on the lipid biochemistry of deep-sea holothurians. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 516-527.	0.6	39
51	The trophic ecology of key megafaunal species at the Pakistan Margin: Evidence from stable isotopes and lipid biomarkers. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 1816-1833.	0.6	39
52	Phytopigments as biomarkers of selectivity in abyssal holothurians; interspecific differences in response to a changing food supply. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1418-1428.	0.6	37
53	Organic geochemistry of submarine canyons: The Portuguese Margin. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 2477-2488.	0.6	37
54	The origin and fate of 4-methyl steroids��. Dehydration of stanols and occurrence of c30 4-methyl steranes. Organic Geochemistry, 1986, 10, 965-974.	0.9	35

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55	How widespread and important is N ₂ fixation in the North Atlantic Ocean?. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	35
56	Influence of oxygen on heterotrophic reworking of sedimentary lipids at the Pakistan margin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 358-375.	0.6	35
57	Controls over Ocean Mesopelagic Interior Carbon Storage (COMICS): Fieldwork, Synthesis, and Modeling Efforts. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	35
58	Cold-water coral ecosystem (Tisler Reef, Norwegian Shelf) may be a hotspot for carbon cycling. <i>Marine Ecology - Progress Series</i> , 2012, 465, 11-23.	0.9	35
59	15,17-Butano-3,8-diethyl-2,7,12,18-tetramethylporphyrin - a novel naturally occurring tetrapyrrole. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 922.	2.0	34
60	Organic geochemistry of lacustrine sediments: a record of the changing trophic status of Rostherne Mere, U.K.. <i>Organic Geochemistry</i> , 1998, 28, 729-747.	0.9	33
61	Seamounts and organic matter—Is there an effect? The case of Sedlo and Seine Seamounts: Part 1. Distributions of dissolved and particulate organic matter. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 2618-2630.	0.6	33
62	Improved end-member characterisation of modern organic matter pools in the Ohrid Basin (Albania,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	29
63	Structure analysis of naturally occurring alkyl porphyrins by hydrogen chemical ionisation mass spectrometry. <i>Tetrahedron</i> , 1984, 40, 3777-3786.	1.0	28
64	The Organic Geochemistry of Jet: Pyrolysis-gas Chromatography/Mass Spectrometry (Py-GCMS) Applied to Identifying Jet and Similar Black Lithic Materials—Preliminary Results. <i>Journal of Archaeological Science</i> , 1999, 26, 923-933.	1.2	28
65	Molecular characterisation of organic matter in sediments underlying the oxygen minimum zone at the Oman Margin, Arabian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000, 47, 353-375.	0.6	28
66	Influence of temperature and pressure on maturation processes—l. Preliminary report. <i>Organic Geochemistry</i> , 1986, 10, 331-337.	0.9	27
67	High-performance liquid chromatographic analysis of free-base porphyrins. <i>Journal of Chromatography A</i> , 1986, 368, 11-19.	1.8	25
68	Seamounts and organic matter—Is there an effect? The case of Sedlo and Seine seamounts, Part 2. Composition of suspended particulate organic matter. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 2631-2645.	0.6	25
69	Living on the edge: single-species dominance at the Pakistan oxygen minimum zone boundary. <i>Marine Ecology - Progress Series</i> , 2012, 470, 79-99.	0.9	24
70	Distributions of chlorinated biphenyls in mussels and sediments from Great Britain and the Irish Sea Coast. <i>Marine Pollution Bulletin</i> , 1996, 32, 232-237.	2.3	23
71	An assessment of the microbial contribution to aquatic dissolved organic nitrogen using amino acid enantiomeric ratios. <i>Organic Geochemistry</i> , 2005, 36, 1099-1107.	0.9	23
72	Evolution of alkanes and carboxylic acids in ancient sediments from the Maracaibo Basin. <i>Organic Geochemistry</i> , 1992, 18, 195-201.	0.9	22

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73	Evaluation of metals and hydrocarbons in sediments from a tropical tidal flat estuary of Southern Brazil. <i>Marine Pollution Bulletin</i> , 2015, 92, 259-268.	2.3	22
74	Determination of volatile amines in sediment and water samples. <i>Analytica Chimica Acta</i> , 1991, 252, 223-226.	2.6	21
75	A storm in a shelf sea: Variation in phosphorus distribution and organic matter stoichiometry. <i>Geophysical Research Letters</i> , 2014, 41, 8452-8459.	1.5	21
76	Tidal influence on particulate organic carbon export fluxes around a tall seamount. <i>Progress in Oceanography</i> , 2016, 149, 189-213.	1.5	21
77	Seasonal organic matter dynamics in a temperate shelf sea. <i>Progress in Oceanography</i> , 2019, 177, 101925.	1.5	20
78	One-dimensional and two-dimensional polyacrylamide gel electrophoresis: a tool for protein characterisation in aquatic samples. <i>Marine Chemistry</i> , 2004, 85, 63-73.	0.9	19
79	Aminopropanone as a marker for raw sewage in natural waters. <i>Marine Pollution Bulletin</i> , 1995, 30, 306-312.	2.3	18
80	Hydrolysable amino acids in sediments from the Porcupine Abyssal Plain, northeast Atlantic Ocean. <i>Organic Geochemistry</i> , 1997, 26, 311-320.	0.9	18
81	Some preliminary observations after the wreck of the oil tanker Braer in Shetland. <i>Marine Pollution Bulletin</i> , 1993, 26, 567-571.	2.3	17
82	Computerised capillary gas chromatographic-mass spectrometric studies of the petroporphyrins of the gilsonite bitumen (Eocene, U.S.A.). <i>Journal of Chromatography A</i> , 1985, 350, 37-62.	1.8	16
83	Hydrogen chemical ionization mass spectrometry of metalloporphyrins. <i>Organic Mass Spectrometry</i> , 1985, 20, 445-453.	1.3	15
84	A preliminary study of the geochemistry of methylamines in a salt marsh. <i>Organic Geochemistry</i> , 1997, 27, 15-24.	0.9	15
85	Two abyssal sites in the Southern Ocean influenced by different organic matter inputs: Environmental characterization and preliminary observations on the benthic foraminifera. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 2275-2290.	0.6	14
86	Linear and non-linear responses of vegetation and soils to glacial-interglacial climate change in a Mediterranean refuge. <i>Scientific Reports</i> , 2017, 7, 8121.	1.6	14
87	3,8,17-Triethyl-2,7,12,18-tetramethylporphyrin: a widely-occurring pigment of chlorophyll origin. <i>Journal of the Chemical Society Chemical Communications</i> , 1985, , 723.	2.0	13
88	The Mersey oil spill, August, 1989 A case of sediments contaminating the oil?. <i>Marine Pollution Bulletin</i> , 1990, 21, 481-484.	2.3	13
89	The trophic and metabolic pathways of foraminifera in the Arabian Sea: evidence from cellular stable isotopes. <i>Biogeosciences</i> , 2015, 12, 1781-1797.	1.3	13
90	The role of diatom resting spores in pelagic-benthic coupling in the Southern Ocean. <i>Biogeosciences</i> , 2018, 15, 3071-3084.	1.3	13

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91	Possible links between holothurian lipid compositions and differences in organic matter (OM) supply at the western Pacific abyssal plains. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 152, 103085.	0.6	13
92	The Biogeochemistry of Sediments from the Madeira Abyssal Plain – Preliminary Results. <i>International Review of Hydrobiology</i> , 1995, 80, 333-349.	0.6	12
93	Geochemical records in sediments of a tropical estuary (Southeastern coast of Brazil). <i>Regional Studies in Marine Science</i> , 2016, 6, 49-61.	0.4	11
94	Productivity variation around the Crozet Plateau: A naturally iron fertilised area of the Southern Ocean. <i>Organic Geochemistry</i> , 2010, 41, 767-778.	0.9	10
95	Biogeochemical processes at the sediment-water interface in a Northeastern Atlantic abyssal locality (Porcupine Abyssal Plain). <i>Progress in Oceanography</i> , 2001, 50, 223-243.	1.5	8
96	Determination of steryl sulphates in invertebrate tissue by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 938-946.	1.9	8
97	1-O-Alkylglyceryl Ether Lipids of the Gut Walls and Contents of an Abyssal Holothurian (<i>Oneirophanta</i>) Tj ETQq1 1 0.784314 µgBT / Over	0.6	0
98	Signature of organic matter exported from naturally Fe-fertilised oceanic waters. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 65, 59-72.	0.6	7
99	Partitioning and Speciation of Trace Metal Diagenesis in Differing Depositional Environments in the Sediments of the Oman Margin. <i>Aquatic Geochemistry</i> , 2005, 11, 195-213.	1.5	6
100	Molecular characterization of proteinaceous material in the Florida coastal Everglades. <i>Hydrobiologia</i> , 2006, 569, 129-133.	1.0	5
101	The reproductive ecology of deep-sea ophiuroids around the Crozet plateau, Southern Indian ocean, under contrasting productivity regimes. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 92, 18-26.	0.6	5
102	Semi-preparative HPLC of some geologically interesting steroid hydrocarbons. <i>Journal of High Resolution Chromatography</i> , 1985, 8, 695-696.	2.0	3
103	An unusual 4-methyl sterol present in abyssal sediments from the north-east Atlantic Ocean. <i>Aquatic Ecosystem Health and Management</i> , 2000, 3, 397-405.	0.3	2
104	Preserved organic matter in a fossil Ocean Continent Transition in the Alps: the example of Totalp, SE Switzerland. <i>Swiss Journal of Geosciences</i> , 2017, 110, 457-478.	0.5	2
105	Trace elements in Gulf of Mexico oysters, 1986-1999. <i>Geochemical Society Special Publications</i> , 2004, , 267-285.	0.1	1
106	A rapid method for the clean-up of chlorinated biphenyls (CBs) isolated from environmental samples. <i>Talanta</i> , 1998, 45, 1001-1006.	2.9	0
107	Exchange between macrophyte and mangrove organic matter input in estuarine systems: drought implications. <i>Revista Ibero-americana De Ciências Ambientais</i> , 2018, 9, 83-98.	0.0	0