

Phillip Pe Weaver

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

4,212
citations

109311

35
h-index

123420

61
g-index

72
all docs

72
docs citations

72
times ranked

3248
citing authors

#	ARTICLE	IF	CITATIONS
1	Onset of submarine debris flow deposition far from original giant landslide. <i>Nature</i> , 2007, 450, 541-544.	27.8	314
2	Continental margin sedimentation, with special reference to the north-east Atlantic margin. <i>Sedimentology</i> , 2000, 47, 239-256.	3.1	194
3	Climatic control of turbidite deposition on the Madeira Abyssal Plain. <i>Nature</i> , 1983, 306, 360-363.	27.8	174
4	Seabed mining: International Seabed Authority environmental management plan for the Clarion-Clipperton Zone. A partnership approach. <i>Marine Policy</i> , 2014, 49, 66-72.	3.2	156
5	Biodiversity loss from deep-sea mining. <i>Nature Geoscience</i> , 2017, 10, 464-465.	12.9	154
6	Correlation, frequency of emplacement and source directions of megaturbidites on the Madeira Abyssal Plain. <i>Marine Geology</i> , 1992, 109, 1-20.	2.1	146
7	The Northwest African slope apron: a modern analogue for deep-water systems with complex seafloor topography. <i>Marine and Petroleum Geology</i> , 2000, 17, 253-265.	3.3	130
8	Sedimentary features and processes in the Nazaré and Setúbal submarine canyons, west Iberian margin. <i>Marine Geology</i> , 2008, 250, 64-88.	2.1	123
9	Turbidite depositional architecture across three interconnected deep-water basins on the north-west African margin. <i>Sedimentology</i> , 2002, 49, 669-695.	3.1	121
10	Deep-water sediment wave fields, bottom current sand channels and gravity flow channel-lobe systems: Gulf of Cadiz, NE Atlantic. <i>Sedimentology</i> , 2003, 50, 483-510.	3.1	118
11	Human Activities on the Deep Seafloor in the North East Atlantic: An Assessment of Spatial Extent. <i>PLoS ONE</i> , 2010, 5, e12730.	2.5	118
12	Sedimentary processes in the Selvage sediment-wave field, NE Atlantic: new insights into the formation of sediment waves by turbidity currents. <i>Sedimentology</i> , 2000, 47, 1181-1197.	3.1	114
13	Turbidity current sediment waves on the submarine slopes of the western Canary Islands. <i>Marine Geology</i> , 2000, 163, 185-198.	2.1	114
14	Response of surface water masses and circulation to Late Quaternary climate change east of New Zealand. <i>Paleoceanography</i> , 1998, 13, 70-83.	3.0	113
15	Evidence for Heinrich layers off Portugal (Tore Seamount: 39 °N, 12 °W). <i>Marine Geology</i> , 1996, 131, 47-56.	2.1	99
16	Last glacial jetting of cold waters through the Subtropical Convergence zone in the Southwest Pacific off eastern New Zealand, and some geological implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2000, 156, 103-121.	2.3	86
17	A strategy for the conservation of biodiversity on mid-ocean ridges from deep-sea mining. <i>Science Advances</i> , 2018, 4, eaar4313.	10.3	85
18	Identifying Toxic Impacts of Metals Potentially Released during Deep-Sea Mining—A Synthesis of the Challenges to Quantifying Risk. <i>Frontiers in Marine Science</i> , 0, 4, .	2.5	84

#	ARTICLE	IF	CITATIONS
19	New insights into the morphology, fill, and remarkable longevity (>0.2 m.y.) of modern deep-water erosional scours along the northeast Atlantic margin. , 2011, 7, 845-867.		80
20	Glacial to interglacial changes in the settling depth of the Mediterranean Outflow plume. Paleoceanography, 2005, 20, n/a-n/a.	3.0	79
21	Active diagenetic formation of metal-rich layers in N. E. Atlantic sediments. Geochimica Et Cosmochimica Acta, 1988, 52, 1557-1569.	3.9	75
22	An AMS radiocarbon method to determine the emplacement time of recent deep-sea turbidites. Sedimentary Geology, 1994, 89, 1-7.	2.1	74
23	Ecological risk assessment for deep-sea mining. Ocean and Coastal Management, 2019, 176, 24-39.	4.4	73
24	Assessment of scientific gaps related to the effective environmental management of deep-seabed mining. Marine Policy, 2022, 138, 105006.	3.2	67
25	History of the last deglaciation in the alboran sea (western Mediterranean) and adjacent north Atlantic as revealed by coccolith floras. Palaeogeography, Palaeoclimatology, Palaeoecology, 1988, 64, 35-42.	2.3	66
26	Vertical open burrows in deep-sea sediments 2 m in length. Nature, 1983, 301, 329-331.	27.8	65
27	Current methods for obtaining, logging and splitting marine sediment cores. Marine Geophysical Researches, 1990, 12, 85-100.	1.2	63
28	Sea surface temperature estimates from the Southwest Pacific based on planktonic foraminifera and oxygen isotopes. Palaeogeography, Palaeoclimatology, Palaeoecology, 1997, 131, 241-256.	2.3	60
29	The Azores Front since the Last Glacial Maximum. Earth and Planetary Science Letters, 2004, 222, 779-789.	4.4	60
30	Hotspot Ecosystem Research on Europe's Deep-Ocean Margins. Oceanography, 2004, 17, 132-143.	1.0	60
31	Combined coccolith, foraminiferal, and biomarker reconstruction of paleoceanographic conditions over the past 120 kyr in the northern North Atlantic (59°N, 23°W). Paleoceanography, 1999, 14, 336-349.	3.0	59
32	Synchronicity of Pliocene planktonic foraminiferal datums in the North Atlantic. Marine Micropaleontology, 1986, 10, 295-307.	1.2	58
33	Calculating erosion by deep-sea turbidity currents during initiation and flow. Nature, 1993, 364, 136-138.	27.8	54
34	Promotion of meridional overturning by Mediterranean-derived salt during the last deglaciation. Paleoceanography, 2006, 21, .	3.0	53
35	Flow processes and sediment deformation in the Canary Debris Flow on the NW African Continental Rise. Sedimentary Geology, 1997, 110, 163-179.	2.1	49
36	Reviewing the EBSA process: Improving on success. Marine Policy, 2018, 88, 75-85.	3.2	43

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37	Sedimentation on the Madeira Abyssal Plain over the last 300 000 years. Geological Society Special Publication, 1987, 31, 71-86.	1.3	39
38	Determination of turbidity current erosional characteristics from reworked coccolith assemblages, Canary Basin, north-east Atlantic. Sedimentology, 1994, 41, 1025-1038.	3.1	39
39	The Role of Canyons on Strata Formation. Oceanography, 2004, 17, 80-91.	1.0	37
40	Determination of sediment volumes, accumulation rates and turbidite emplacement frequencies on the Madeira Abyssal Plain (NE Atlantic): a correlation between seismic and borehole data. Marine Geology, 1999, 160, 225-250.	2.1	33
41	Turbidite deposition and the origin of the Madeira Abyssal Plain. Geological Society Special Publication, 1986, 21, 131-143.	1.3	31
42	Bioturbation into a recently emplaced deep-sea turbidite surface as revealed by ^{210}Pb excess, ^{230}Th excess and planktonic foraminifera distributions. Earth and Planetary Science Letters, 1988, 90, 157-173.	4.4	31
43	Textural and dispersal patterns of thick mud turbidites from the Madeira Abyssal plain. Marine Geology, 1992, 107, 149-173.	2.1	31
44	How typhoons trigger turbidity currents in submarine canyons. Scientific Reports, 2019, 9, 9220.	3.3	30
45	Late Quaternary mass movement on the lower continental rise and abyssal plain off Western Sahara. Sedimentology, 1991, 38, 27-40.	3.1	29
46	Sapropelic deposits in a sediment from the Guinea Basin, South Atlantic. Nature, 1984, 309, 611-614.	27.8	27
47	Think big for marine conservation. Nature, 2012, 483, 399-399.	27.8	27
48	Experimental constraints on shear mixing rates and processes: implications for the dilution of submarine debris flows. Geological Society Special Publication, 2002, 203, 89-103.	1.3	24
49	Seismic triggering of landslides and turbidity currents offshore Portugal. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	24
50	Environmental Risks of Deep-sea Mining. , 2018, , 215-245.		22
51	EUROSTRATAFORM Special Issue of Marine Geology. Marine Geology, 2006, 234, 1-2.	2.1	20
52	The Future of Integrated Deep-Sea Research in Europe: The HERMIONE Project. Oceanography, 2009, 22, 178-191.	1.0	16
53	HERMES: Hotspot Ecosystem Research on the Margins of European Seas. Oceanography, 2009, 22, 12-15.	1.0	16
54	Northwest African Continental Margin: History of sediment accumulation, landslide deposits, and hiatuses as revealed by drilling the Madeira Abyssal Plain. Paleoceanography, 2003, 18, n/a-n/a.	3.0	15

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55	High-resolution stratigraphy and turbidite processes in the Seine Abyssal Plain, northwest Africa. <i>Geo-Marine Letters</i> , 1997, 17, 147-153.	1.1	13
56	Colour logging as a tool in high-resolution palaeoceanography. <i>Geological Society Special Publication</i> , 2006, 267, 99-112.	1.3	13
57	High resolution stratigraphy of marine Quaternary sequences. <i>Geological Society Special Publication</i> , 1993, 70, 137-153.	1.3	12
58	Environmental Impacts of Nodule, Crust and Sulphide Mining: An Overview. , 2019, , 27-62.		12
59	Neogene turbidite sequence on the Madeira Abyssal Plain: basin filling and diagenesis in the deep ocean. , 0, , .		12
60	Deep sea turbidites from the northwest African continental margin. <i>Ocean Dynamics</i> , 1985, 38, 147-164.	0.2	11
61	Report on the Managing Impacts of Deep-sea Resource exploitation (MIDAS) workshop on environmental management of deep-sea mining. <i>Research Ideas and Outcomes</i> , 0, 2, e10292.	1.0	10
62	Isolation, extinction and migration within Late Pliocene populations of the planktonic foraminiferal lineage <i>Globorotalia</i> (<i>Globoconella</i>) in the North Atlantic. <i>Marine Micropaleontology</i> , 1998, 33, 203-222.	1.2	9
63	Assessing the Accuracy of Fossil Datum Levels: <i>Globoconella</i> <i>margaritae</i> and <i>Foraminiferida</i> , a Pliocene Test Case. <i>Journal of Micropaleontology</i> , 1991, 9, 225-231.	3.6	8
64	Overview of Recent, Ongoing, and Future Investigations on the Dynamics and Evolution of European Margins. <i>Oceanography</i> , 2004, 17, 16-33.	1.0	8
65	Improving Environmental Management Practices in Deep-Sea Mining. , 2019, , 403-446.		8
66	Seismic facies of the Madeira Abyssal Plain: a correlation between seismic reflection profile and borehole data. , 0, , .		8
67	Introduction to this Special Issue on Strata Formation on European Margins: A Tribute to EU-NA Cooperation in Marine Geology. <i>Oceanography</i> , 2004, 17, 14-15.	1.0	5
68	Du volcan au sédiment: la dynamique du talus volcanoclastique sous-marin de Gran Canaria, canaries (Atlantique orientale, Leg ODP 157). <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , 1997, 324, 891-898.	0.2	4
69	Late Miocene-Early Pliocene Planktonic Foraminifera and Palaeoceanography of the North Atlantic. <i>Journal of Micropaleontology</i> , 1991, 9, 145-151.	3.6	2
70	Landslide And Gravity Flow Features And Processes Of The Nazaré And Setúbal Canyons, West Iberian Margin. , 2007, , 89-98.		2