

Bernard Dennielou

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82
papers

2,974
citations

32
h-index

53
g-index

85
ext. papers

3,400
ext. citations

4
avg, IF

4.65
L-index

#	Paper	IF	Citations
82	Triggering mechanisms of slope instability processes and sediment failures on continental margins: a geotechnical approach. <i>Marine Geology</i> , 2004 , 213, 291-321	3.3	250
81	Direct observation of intense turbidity current activity in the Zaire submarine valley at 4000 m water depth. <i>Marine Geology</i> , 2003 , 194, 151-158	3.3	217
80	Rare earth elements and neodymium isotopes in world river sediments revisited. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 170, 17-38	5.5	159
79	Intensifying weathering and land use in Iron Age Central Africa. <i>Science</i> , 2012 , 335, 1219-22	33.3	139
78	ROV study of a giant pockmark on the Gabon continental margin. <i>Geo-Marine Letters</i> , 2005 , 25, 281-292	1.9	99
77	Geological overview of the Angola-Congo margin, the Congo deep-sea fan and its submarine valleys. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009 , 56, 2169-2182	2.3	97
76	Millennial-scale fluctuations of the European Ice Sheet at the end of the last glacial, and their potential impact on global climate. <i>Quaternary Science Reviews</i> , 2015 , 123, 113-133	3.9	92
75	Hf and Nd isotopes in marine sediments: Constraints on global silicate weathering. <i>Earth and Planetary Science Letters</i> , 2009 , 277, 318-326	5.3	92
74	A walk down the Cap de Creus canyon, Northwestern Mediterranean Sea: Recent processes inferred from morphology and sediment bedforms. <i>Marine Geology</i> , 2007 , 246, 176-192	3.3	80
73	Shoreface migrations at the shelf edge and sea-level changes around the Last Glacial Maximum (Gulf of Lions, NW Mediterranean). <i>Marine Geology</i> , 2006 , 234, 21-42	3.3	75
72	Late Glacial to Preboreal sea-level rise recorded by the Rhône deltaic system (NW Mediterranean). <i>Marine Geology</i> , 2007 , 245, 65-88	3.3	72
71	A 130,000-year record of Levantine Intermediate Water flow variability in the Corsica Trough, western Mediterranean Sea. <i>Quaternary Science Reviews</i> , 2012 , 33, 55-73	3.9	66
70	Phase relationship between sea level and abrupt climate change. <i>Quaternary Science Reviews</i> , 2009 , 28, 2867-2881	3.9	64
69	Controls on turbidite sedimentation: Insights from a quantitative approach of submarine channel and lobe architecture (Late Quaternary Congo Fan). <i>Marine and Petroleum Geology</i> , 2016 , 72, 423-446	4.7	64
68	Pockmark formation and evolution in deep water Nigeria: Rapid hydrate growth versus slow hydrate dissolution. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 2679-2694	3.6	63
67	Activity of the turbidite levees of the Celtic-Armorican margin (Bay of Biscay) during the last 30,000 years: Imprints of the last European deglaciation and Heinrich events. <i>Marine Geology</i> , 2008 , 247, 84-103	3.3	62
66	Abrupt climate change, sea surface salinity and paleoproductivity in the western Mediterranean Sea (Gulf of Lion) during the last 28 kyr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009 , 279, 96-113	2.9	54

65	Terrigenous fluxes at the Celtic margin during the last glacial cycle. <i>Marine Geology</i> , 2002 , 188, 79-108	3.3	53
64	Distribution of the organic matter in the channel-levees systems of the Congo mud-rich deep-sea fan (West Africa). Implication for deep offshore petroleum source rocks and global carbon cycle. <i>Marine and Petroleum Geology</i> , 2010 , 27, 995-1010	4.7	49
63	The 100-ka and rapid sea level changes recorded by prograding shelf sand bodies in the Gulf of Lions (western Mediterranean Sea). <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	48
62	Architecture and depositional pattern of the Rh�e Neofan and recent gravity activity in the Gulf of Lions (western Mediterranean). <i>Marine and Petroleum Geology</i> , 2005 , 22, 827-843	4.7	48
61	Impact of open-ocean convection on particle fluxes and sediment dynamics in the deep margin of the Gulf of Lions. <i>Biogeosciences</i> , 2013 , 10, 1097-1116	4.6	45
60	Gas hydrate distributions in sediments of pockmarks from the Nigerian margin [Results and interpretation from shallow drilling. <i>Marine and Petroleum Geology</i> , 2015 , 59, 359-370	4.7	42
59	U-Th isotope constraints on gas hydrate and pockmark dynamics at the Niger delta margin. <i>Marine Geology</i> , 2015 , 370, 87-98	3.3	42
58	Impact of relative sea level and rapid climate changes on the architecture and lithofacies of the Holocene Rhone subaqueous delta (Western Mediterranean Sea). <i>Sedimentary Geology</i> , 2014 , 305, 35-53 ^{2.8}		40
57	Morphology, structure, composition and build-up processes of the active channel-mouth lobe complex of the Congo deep-sea fan with inputs from remotely operated underwater vehicle (ROV) multibeam and video surveys. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 142, 25-49	2.3	38
56	Organic matter characterization and distribution in sediments of the terminal lobes of the Congo deep-sea fan: Evidence for the direct influence of the Congo River. <i>Marine Geology</i> , 2015 , 369, 182-195	3.3	36
55	Consistently dated Atlantic sediment cores over the last 40 thousand years. <i>Scientific Data</i> , 2019 , 6, 165 8.2		33
54	Evolution of the Danube Deep-Sea Fan since the Last Glacial Maximum: new insights into Black Sea water-level fluctuations. <i>Marine Geology</i> , 2015 , 367, 50-68	3.3	32
53	External controls on turbidite sedimentation on the glacially-influenced Armorican margin (Bay of Biscay, western European margin). <i>Marine Geology</i> , 2012 , 303-306, 137-153	3.3	32
52	Different types of sediment gravity flows detected in the Var submarine canyon (northwestern Mediterranean Sea). <i>Progress in Oceanography</i> , 2012 , 106, 138-153	3.8	32
51	The provenance of sediments in the Gulf of Lions, western Mediterranean Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	32
50	Vertical grain-size variability within a turbidite levee: Autocyclicity or allocyclicity? A case study from the Rh�e neofan, Gulf of Lions, Western Mediterranean. <i>Marine Geology</i> , 2006 , 234, 191-213	3.3	29
49	Eivissa slides, western Mediterranean Sea: morphology and processes. <i>Geo-Marine Letters</i> , 2006 , 26, 225-233		29
48	The Role of Canyons on Strata Formation. <i>Oceanography</i> , 2004 , 17, 80-91	2.3	29

47	A 500 kyr record of global sea-level oscillations in the Gulf of Lion, Mediterranean Sea: new insights into MIS 3 sea-level variability. <i>Climate of the Past</i> , 2012 , 8, 1067-1077	3.9	28
46	Discovery of a giant deep-sea valley in the Indian Ocean, off eastern Africa: The Tanzania channel. <i>Marine Geology</i> , 2008 , 255, 179-185	3.3	28
45	Sea-level control on turbidite activity in the Rhone canyon and the upper fan during the Last Glacial Maximum and Early deglacial. <i>Sedimentary Geology</i> , 2015 , 323, 148-166	2.8	26
44	Historical evolution and extreme climate events during the last 400 years on the Rhone prodelta (NW Mediterranean). <i>Marine Geology</i> , 2013 , 346, 375-391	3.3	25
43	Multiscale spatio-temporal variability of sedimentary deposits in the Var turbidite system (North-Western Mediterranean Sea). <i>Marine Geology</i> , 2010 , 275, 37-52	3.3	24
42	The Congolobe project, a multidisciplinary study of Congo deep-sea fan lobe complex: Overview of methods, strategies, observations and sampling. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 142, 7-24	2.3	23
41	Benthic foraminifera from the deep-water Niger delta (Gulf of Guinea): Assessing present-day and past activity of hydrate pockmarks. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014 , 94, 87-106	2.5	23
40	Origin and distribution of the organic matter in the distal lobe of the Congo deep-sea fan: A Rock-Eval survey. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 142, 75-90	2.3	22
39	Holocene hydrological changes in the Rhône River (NW Mediterranean) as recorded in the marine mud belt. <i>Climate of the Past</i> , 2016 , 12, 1539-1553	3.9	21
38	Climatic cycles as expressed in sediments of the PROMESS1 borehole PRAD1-2, central Adriatic, for the last 370 ka: 1. Integrated stratigraphy. <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	19
37	High-resolution vegetation history of West Africa during the last 145 ka. <i>Geobios</i> , 2014 , 47, 183-198	1.5	18
36	Monsoon control on channel avulsions in the Late Quaternary Congo Fan. <i>Quaternary Science Reviews</i> , 2019 , 204, 149-171	3.9	18
35	The Late-Quaternary climatic signal recorded in a deep-sea turbiditic levee (Rhône Neofan, Gulf of Lions, NW Mediterranean): palynological constraints. <i>Sedimentary Geology</i> , 2004 , 172, 85-97	2.8	17
34	Premières observations sur la morphologie et les processus sédimentaires récents de l'éventail celtique. <i>Oceanologica Acta: European Journal of Oceanology - Revue Européenne De Oceanologie</i> , 2000 , 23, 109-116		17
33	The roles of climate and human land-use in the late Holocene rainforest crisis of Central Africa. <i>Earth and Planetary Science Letters</i> , 2019 , 505, 30-41	5.3	16
32	Fauna and habitat types driven by turbidity currents in the lobe complex of the Congo deep-sea fan. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 142, 167-179	2.3	14
31	Soft sediment deformation in the shallow submarine slope off Nice (France) as a result of a variably charged Pliocene aquifer and mass wasting processes. <i>Sedimentary Geology</i> , 2016 , 344, 290-309	2.8	14
30	Organic carbon accumulation in modern sediments of the Angola basin influenced by the Congo deep-sea fan. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 142, 64-74	2.3	12

29	Chronology and sources of trace elements accumulation in the Rhône pro-delta sediments (Northwestern Mediterranean) during the last 400 years. <i>Progress in Oceanography</i> , 2018 , 163, 161-171	3.8	12
28	Sedimentological imprint on subseafloor microbial communities in Western Mediterranean Sea Quaternary sediments. <i>Biogeosciences</i> , 2012 , 9, 3491-3512	4.6	12
27	Post-glacial persistence of turbiditic activity within the Rhône deep-sea turbidite system (Gulf of Lions, Western Mediterranean): Linking the outer shelf and the basin sedimentary records. <i>Marine Geology</i> , 2009 , 257, 65-86	3.3	12
26	Morphology of retrogressive failures in the Eastern Rhone interfluvium during the last glacial maximum (Gulf of Lions, Western Mediterranean). <i>Geomorphology</i> , 2020 , 351, 106894	4.3	12
25	Major modification of sediment routing by a large Mass Transport Deposit in the Gulf of Lions (Western Mediterranean). <i>Marine Geology</i> , 2019 , 411, 1-20	3.3	11
24	Upstream migrating knickpoints and related sedimentary processes in a submarine canyon from a rare 20-year morphobathymetric time-lapse (Capbreton submarine canyon, Bay of Biscay, France). <i>Marine Geology</i> , 2020 , 423, 106143	3.3	11
23	Carbon and silica megasink in deep-sea sediments of the Congo terminal lobes. <i>Quaternary Science Reviews</i> , 2019 , 222, 105854	3.9	11
22	Structure et évolution récente de l'éventail turbiditique du Zaïre : premiers résultats scientifiques des missions d'exploration Zaïre 1 & 2 (marge Congo-Angola). <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , 2000 , 331, 211-220		11
21	Living (stained) benthic foraminifera from the Mozambique Channel (eastern Africa): Exploring ecology of deep-sea unicellular meiofauna. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016 , 115, 159-174	2.5	10
20	Evidence and age estimation of mass wasting at the distal lobe of the Congo deep-sea fan. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 142, 50-63	2.3	9
19	Are deep-sea ecosystems surrounding Madagascar threatened by land-use or climate change?. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018 , 131, 93-100	2.5	9
18	Benthic foraminiferal response to sedimentary disturbance in the Capbreton canyon (Bay of Biscay, NE Atlantic). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017 , 120, 61-75	2.5	8
17	Initiation and evolution of knickpoints and their role in cut-and-fill processes in active submarine channels. <i>Geology</i> , 2021 , 49, 314-319	5	8
16	The North Atlantic Glacial Eastern Boundary Current as a Key Driver for Ice-Sheet-MOC Interactions and Climate Instability. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2020PA004068	3.3	7
15	Integrated geophysical, sedimentological and geotechnical investigation of submarine landslides in the Gulf of Lions (Western Mediterranean). <i>Geological Society Special Publication</i> , 2020 , 500, 359-376	1.7	6
14	On the termination of deep-sea fan channels: Examples from the Rhône Fan (Gulf of Lion, Western Mediterranean Sea). <i>Geomorphology</i> , 2020 , 369, 107368	4.3	5
13	Organic carbon transfer and ecosystem functioning in the terminal lobes of the Congo deep-sea fan: outcomes of the Congolobe project. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 142, 1-6	2.3	4
12	The Last Glacial Maximum Balearic Abyssal Plain megabed revisited. <i>Geological Society Special Publication</i> , 2020 , 500, 341-357	1.7	3

11	Response to Comments on "Intensifying Weathering and Land Use in Iron Age Central Africa". <i>Science</i> , 2012 , 337, 1040-1040	33.3	3
10	The Congo deep-sea fan: Mineralogical, REE, and Nd-isotope variability in quartzose passive-margin sand. <i>Journal of Sedimentary Research</i> , 2021 , 91, 433-450	2.1	3
9	Surconsolidation apparente et pression osmotique dans un sđiment marin. <i>Comptes Rendus De L'Acadēmie Des Sciences Earth & Planetary Sciences Sērie II, Sciences De La Terre Et Des Planētes</i> =, 2000 , 331, 379-386		2
8	Routing of terrestrial organic matter from the Congo River to the ultimate sink in the abyss: a mass balance approach (Andrē Dumont medallist lecture 2017). <i>Geologica Belgica</i> , 2020 , 23, xx-xx	0.5	2
7	Modern relationships between microscopic charcoal in marine sediments and fire regimes on adjacent landmasses to refine the interpretation of marine paleofire records: An Iberian case study. <i>Quaternary Science Reviews</i> , 2021 , 270, 107148	3.9	2
6	Records of Holocene climatic fluctuations and anthropogenic lead input in elemental distribution and radiogenic isotopes (Nd and Pb) in sediments of the Gulf of Lions (Southern France). <i>Holocene</i> , 2019 , 29, 1292-1304	2.6	1
5	Paleoenvironmental imprint on seafloor microbial communities in Western Mediterranean Sea Quaternary sediments		1
4	Mass Wasting Dynamics at the Deeper Slope of the Ligurian Margin (Southern France) 2010 , 67-77		0
3	Width variation around submarine channel bends: Implications for sedimentation and channel evolution. <i>Marine Geology</i> , 2021 , 437, 106504	3.3	0
2	Contrōle exercē par la dorsale mēdio-Atlantique et le Gulf Stream sur la sđimentation quaternaire sur le plateau des Aōres. <i>Comptes Rendus De L'Acadēmie Des Sciences Earth & Planetary Sciences Sērie II, Sciences De La Terre Et Des Planētes</i> =, 1999 , 328, 831-837		
1	Multidisciplinary Study of Marine Archives: Reconstruction of Sea-Level, Sediment Yields, Sediment Sources, Paleoclimate, Paleoceanography and Vertical Movement on Margins: Examples from the Western Mediterranean Sea. <i>Advances in Science, Technology and Innovation</i> , 2022 , 265-270	0.3	