

Bernard Dennielou

List of Publications by Year in descending order

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79
papers

3,782
citations

117571

34
h-index

128225

60
g-index

85
all docs

85
docs citations

85
times ranked

3946
citing authors

#	ARTICLE	IF	CITATIONS
1	Triggering mechanisms of slope instability processes and sediment failures on continental margins: a geotechnical approach. <i>Marine Geology</i> , 2004, 213, 291-321.	0.9	285
2	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.	0.9	262
3	Rare earth elements and neodymium isotopes in world river sediments revisited. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 170, 17-38.	1.6	239
4	Intensifying Weathering and Land Use in Iron Age Central Africa. <i>Science</i> , 2012, 335, 1219-1222.	6.0	161
5	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.	1.4	122
6	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.	0.6	112
7	Hf and Nd isotopes in marine sediments: Constraints on global silicate weathering. <i>Earth and Planetary Science Letters</i> , 2009, 277, 318-326.	1.8	112
8	ROV study of a giant pockmark on the Gabon continental margin. <i>Geo-Marine Letters</i> , 2005, 25, 281-292.	0.5	104
9	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.	0.9	102
10	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.	1.4	91
11	Shoreface migrations at the shelf edge and sea-level changes around the Last Glacial Maximum (Gulf of Mexico). <i>Journal of Geophysical Research: Earth Surface</i> , 2011, 116, F00001.	0.9	87
12	Late Glacial to Preboreal sea-level rise recorded by the Rhône deltaic system (NW Mediterranean). <i>Marine Geology</i> , 2007, 245, 65-88.	0.9	84
13	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.	1.4	84
14	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.	1.5	84
15	Phase relationship between sea level and abrupt climate change. <i>Quaternary Science Reviews</i> , 2009, 28, 2867-2881.	1.4	74
16	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.	0.9	71
17	Consistently dated Atlantic sediment cores over the last 40 thousand years. <i>Scientific Data</i> , 2019, 6, 165.	2.4	63
18	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.	1.5	60

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19	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.	1.0	59
20	Terrigenous fluxes at the Celtic margin during the last glacial cycle. <i>Marine Geology</i> , 2002, 188, 79-108.	0.9	57
21	Architecture and depositional pattern of the Rhône Neofan and recent gravity activity in the Gulf of Lions (western Mediterranean). <i>Marine and Petroleum Geology</i> , 2005, 22, 827-843.	1.5	57
22	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.	1.3	56
23	U-Th isotope constraints on gas hydrate and pockmark dynamics at the Niger delta margin. <i>Marine Geology</i> , 2015, 370, 87-98.	0.9	56
24	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, .	1.0	54
25	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.	1.5	52
26	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.	0.9	49
27	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.	0.6	49
28	Different types of sediment gravity flows detected in the Var submarine canyon (northwestern Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.5	48
29	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.	1.0	45
30	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.	1.0	41
31	External controls on turbidite sedimentation on the glacially-influenced Armorican margin (Bay of Tj ETQq1 1 0.784314 rgBT /Overlock 0,9 38	0.9	38
32	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.	0.9	38
33	The Role of Canyons on Strata Formation. <i>Oceanography</i> , 2004, 17, 80-91.	0.5	37
34	The provenance of sediments in the Gulf of Lions, western Mediterranean Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	37
35	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.	0.6	34
36	Eivissa slides, western Mediterranean Sea: morphology and processes. <i>Geo-Marine Letters</i> , 2006, 26, 225-233.	0.5	33

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37	Vertical grain-size variability within a turbidite levee: Autocyclicity or allocyclicity? A case study from the Rhône neofan, Gulf of Lions, Western Mediterranean. <i>Marine Geology</i> , 2006, 234, 191-213.	0.9	33
38	Climatic cycles as expressed in sediments of the PROMESS1 borehole PRAD1, central Adriatic, for the last 370 ka: 1. Integrated stratigraphy. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	31
39	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.	0.9	30
40	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.	1.3	30
41	Historical evolution and extreme climate events during the last 400 years on the Rhone prodelta (NW Tj ETQq1 1 0.784314 rgBT /Overlook	0.9	30
42	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.	0.6	30
43	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.	0.6	29
44	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.	1.3	27
45	Monsoon control on channel avulsions in the Late Quaternary Congo Fan. <i>Quaternary Science Reviews</i> , 2019, 204, 149-171.	1.4	26
46	Multiscale spatio-temporal variability of sedimentary deposits in the Var turbidite system (North-Western Mediterranean Sea). <i>Marine Geology</i> , 2010, 275, 37-52.	0.9	25
47	The North Atlantic Glacial Eastern Boundary Current as a Key Driver for Ice Sheet AMOC Interactions and Climate Instability. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004068.	1.3	25
48	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.	1.8	24
49	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.	1.0	22
50	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.	0.6	22
51	The Late-Quaternary climatic signal recorded in a deep-sea turbiditic levee (Rhône Neofan, Gulf of) Tj ETQq1 1 0.784314 rgBT /Overlook	1.0	20
52	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.	0.6	20
53	Carbon and silica megasink in deep-sea sediments of the Congo terminal lobes. <i>Quaternary Science Reviews</i> , 2019, 222, 105854.	1.4	20
54	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.	0.2	19

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55	High-resolution vegetation history of West Africa during the last 145 ka. <i>Geobios</i> , 2014, 47, 183-198.	0.7	19
56	Benthic foraminiferal response to sedimentary disturbance in the Capbreton canyon (Bay of Biscay, NE) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	19
57	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.	0.9	19
58	Initiation and evolution of knickpoints and their role in cut-and-fill processes in active submarine channels. <i>Geology</i> , 2021, 49, 314-319.	2.0	19
59	Post-glacial persistence of turbiditic activity within the RhÃne deep-sea turbidite system (Gulf of) Tj ETQq1 1 0.784314 rgBT /Overlock 17	0.9	17
60	Chronology and sources of trace elements accumulation in the RhÃne pro-delta sediments (Northwestern Mediterranean) during the last 400 years. <i>Progress in Oceanography</i> , 2018, 163, 161-171.	1.5	15
61	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.	0.6	14
62	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.	0.9	14
63	Morphology of retrogressive failures in the Eastern Rhone interfluve during the last glacial maximum (Gulf of Lions, Western Mediterranean). <i>Geomorphology</i> , 2020, 351, 106894.	1.1	14
64	Sedimentological imprint on seafloor microbial communities in Western Mediterranean Sea Quaternary sediments. <i>Biogeosciences</i> , 2012, 9, 3491-3512.	1.3	12
65	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.	0.6	12
66	Routing of terrestrial organic matter from the Congo River to the ultimate sink in the abyss: a mass balance approach (AndrÃ© Dumont medallist lecture 2017). <i>Geologica Belgica</i> , 2020, 23, xx-xx.	0.9	12
67	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.	0.6	10
68	On the termination of deep-sea fan channels: Examples from the RhÃne Fan (Gulf of Lion, Western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	10
69	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.	0.8	10
70	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.	0.8	10
71	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.	1.4	9
72	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.	0.6	7

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73	Width variation around submarine channel bends: Implications for sedimentation and channel evolution. <i>Marine Geology</i> , 2021, 437, 106504.	0.9	6
74	Response to Comments on "Intensifying Weathering and Land Use in Iron Age Central Africa". <i>Science</i> , 2012, 337, 1040-1040.	6.0	5
75	The Last Glacial Maximum Balearic Abyssal Plain megabed revisited. <i>Geological Society Special Publication</i> , 2020, 500, 341-357.	0.8	3
76	Surconsolidation apparente et pression osmotique dans un sédiment marin. <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , 2000, 331, 379-386.	0.2	2
77	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.	0.9	2
78	Mass Wasting Dynamics at the Deeper Slope of the Ligurian Margin (Southern France). , 2010, , 67-77.		1
79	Avulsion phenomenon: process and consequences on fan evolution. A new perspective from the Zaire (Congo) Turbidite System (ZaiAngo Project, Ifremer/Total). , 2007, , .		0