Bernard Dennielou

List of Publications by Year
in descending order

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79 papers	3,782 citations	117453 34 h-index	128067 60 g-index
85 all docs	85 docs citations	85 times ranked	3946 citing authors

#	Article	IF	Citations
1	Initiation and evolution of knickpoints and their role in cut-and-fill processes in active submarine channels. Geology, 2021, 49, 314-319.	2.0	19
2	The North Atlantic Glacial Eastern Boundary Current as a Key Driver for Iceâ€Sheetâ€"AMOC Interactions and Climate Instability. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004068.	1.3	25
3	The Congo deep-sea fan: Mineralogical, REE, and Nd-isotope variability in quartzose passive-margin sand. Journal of Sedimentary Research, 2021, 91, 433-450.	0.8	10
4	Width variation around submarine channel bends: Implications for sedimentation and channel evolution. Marine Geology, 2021, 437, 106504.	0.9	6
5	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. Quaternary Science Reviews, 2021, 270, 107148.	1.4	9
6	Morphology of retrogressive failures in the Eastern Rhone interfluve during the last glacial maximum (Gulf of Lions, Western Mediterranean). Geomorphology, 2020, 351, 106894.	1.1	14
7	On the termination of deep-sea fan channels: Examples from the RhÃ´ne Fan (Gulf of Lion, Western) Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	10
8	Integrated geophysical, sedimentological and geotechnical investigation of submarine landslides in the Gulf of Lions (Western Mediterranean). Geological Society Special Publication, 2020, 500, 359-376.	0.8	10
9	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). Marine Geology, 2020, 423, 106143.	0.9	19
10	The Last Glacial Maximum Balearic Abyssal Plain megabed revisited. Geological Society Special Publication, 2020, 500, 341-357.	0.8	3
11	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). Geologica Belgica, 2020, 23, xx-xx.	0.9	12
12	Carbon and silica megasink in deep-sea sediments of the Congo terminal lobes. Quaternary Science Reviews, 2019, 222, 105854.	1.4	20
13	Consistently dated Atlantic sediment cores over the last 40 thousand years. Scientific Data, 2019, 6, 165.	2.4	63
14	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). Holocene, 2019, 29, 1292-1304.	0.9	2
15	Major modification of sediment routing by a large Mass Transport Deposit in the Gulf of Lions (Western Mediterranean). Marine Geology, 2019, 411, 1-20.	0.9	14
16	Monsoon control on channel avulsions in the Late Quaternary CongoÂFan. Quaternary Science Reviews, 2019, 204, 149-171.	1.4	26
17	The roles of climate and human land-use in the late Holocene rainforest crisis of Central Africa. Earth and Planetary Science Letters, 2019, 505, 30-41.	1.8	24
18	Are deep-sea ecosystems surrounding Madagascar threatened by land-use or climate change?. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 131, 93-100.	0.6	12

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19	Chronology and sources of trace elements accumulation in the RhÃ´ne pro-delta sediments (Northwestern Mediterranean) during the last 400 years. Progress in Oceanography, 2018, 163, 161-171.	1.5	15
20	The Congolobe project, a multidisciplinary study of Congo deep-sea fan lobe complex: Overview of methods, strategies, observations and sampling. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 142, 7-24.	0.6	29
21	Evidence and age estimation of mass wasting at the distal lobe of the Congo deep-sea fan. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 142, 50-63.	0.6	10
22	Origin and distribution of the organic matter in the distal lobe of the Congo deep-sea fan â€“ A Rock-Eval survey. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 142, 75-90.	0.6	34
23	Fauna and habitat types driven by turbidity currents in the lobe complex of the Congo deep-sea fan. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 142, 167-179.	0.6	20
24	Organic carbon accumulation in modern sediments of the Angola basin influenced by the Congo deep-sea fan. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 142, 64-74.	0.6	22
25	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. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 142, 25-49.	0.6	49
26	Benthic foraminiferal response to sedimentary disturbance in the Capbreton canyon (Bay of Biscay, NE) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	19
27	Organic carbon transfer and ecosystem functioning in the terminal lobes of the Congo deep-sea fan: outcomes of the Congolobe project. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 142, 1-6.	0.6	7
28	Soft sediment deformation in the shallow submarine slope off Nice (France) as a result of a variably charged Pliocene aquifer and mass wasting processes. Sedimentary Geology, 2016, 344, 290-309.	1.0	22
29	Living (stained) benthic foraminifera from the Mozambique Channel (eastern Africa): Exploring ecology of deep-sea unicellular meiofauna. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 115, 159-174.	0.6	14
30	Controls on turbidite sedimentation: Insights from a quantitative approach of submarine channel and lobe architecture (Late Quaternary Congo Fan). Marine and Petroleum Geology, 2016, 72, 423-446.	1.5	84
31	Holocene hydrological changes in the RhÃ´ne River (NW Mediterranean) as recorded in the marine mud belt. Climate of the Past, 2016, 12, 1539-1553.	1.3	27
32	Millennial-scale fluctuations of the European Ice Sheet at the end of the last glacial, and their potential impact on global climate. Quaternary Science Reviews, 2015, 123, 113-133.	1.4	122
33	U-Th isotope constraints on gas hydrate and pockmark dynamics at the Niger delta margin. Marine Geology, 2015, 370, 87-98.	0.9	56
34	Sea-level control on turbidite activity in the Rhone canyon and the upper fan during the Last Glacial Maximum and Early deglacial. Sedimentary Geology, 2015, 323, 148-166.	1.0	41
35	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. Marine Geology, 2015, 369, 182-195.	0.9	49
36	Evolution of the Danube Deep-Sea Fan since the Last Glacial Maximum: new insights into Black Sea water-level fluctuations. Marine Geology, 2015, 367, 50-68.	0.9	38

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37	Rare earth elements and neodymium isotopes in world river sediments revisited. Geochimica Et Cosmochimica Acta, 2015, 170, 17-38.	1.6	239
38	Gas hydrate distributions in sediments of pockmarks from the Nigerian margin â€“ Results and interpretation from shallow drilling. Marine and Petroleum Geology, 2015, 59, 359-370.	1.5	52
39	Impact of relative sea level and rapid climate changes on the architecture and lithofacies of the Holocene Rhone subaqueous delta (Western Mediterranean Sea). Sedimentary Geology, 2014, 305, 35-53.	1.0	45
40	High-resolution vegetation history of West Africa during the last 145 ka. Geobios, 2014, 47, 183-198.	0.7	19
41	Benthic foraminifera from the deep-water Niger delta (Gulf of Guinea): Assessing present-day and past activity of hydrate pockmarks. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 94, 87-106.	0.6	30
42	Pockmark formation and evolution in deep water Nigeria: Rapid hydrate growth versus slow hydrate dissolution. Journal of Geophysical Research: Solid Earth, 2014, 119, 2679-2694.	1.4	91
43	Historical evolution and extreme climate events during the last 400years on the Rhone prodelta (NW) Tj ETQq1 1 0.784314 rgBT /Over	0.9	30
44	Impact of open-ocean convection on particle fluxes and sediment dynamics in the deep margin of the Gulf of Lions. Biogeosciences, 2013, 10, 1097-1116.	1.3	56
45	Response to Comments on â€œIntensifying Weathering and Land Use in Iron Age Central Africaâ€• Science, 2012, 337, 1040-1040.	6.0	5
46	Intensifying Weathering and Land Use in Iron Age Central Africa. Science, 2012, 335, 1219-1222.	6.0	161
47	A 130,000-year record of Levantine Intermediate Water flow variability in the Corsica Trough, western Mediterranean Sea. Quaternary Science Reviews, 2012, 33, 55-73.	1.4	84
48	Different types of sediment gravity flows detected in the Var submarine canyon (northwestern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	1.5	48
49	A 500 kyr record of global sea-level oscillations in the Gulf of Lion, Mediterranean Sea: new insights into MIS 3 sea-level variability. Climate of the Past, 2012, 8, 1067-1077.	1.3	30
50	Sedimentological imprint on subseafloor microbial communities in Western Mediterranean Sea Quaternary sediments. Biogeosciences, 2012, 9, 3491-3512.	1.3	12
51	External controls on turbidite sedimentation on the glacially-influenced Armorican margin (Bay of) Tj ETQq1 1 0.784314 rgBT /Overlock	0.9	38
52	The provenance of sediments in the Gulf of Lions, western Mediterranean Sea. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	1.0	37
53	Multiscale spatio-temporal variability of sedimentary deposits in the Var turbidite system (North-Western Mediterranean Sea). Marine Geology, 2010, 275, 37-52.	0.9	25
54	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. Marine and Petroleum Geology, 2010, 27, 995-1010.	1.5	60

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55	Mass Wasting Dynamics at the Deeper Slope of the Ligurian Margin (Southern France). , 2010, , 67-77.		1
56	Post-glacial persistence of turbiditic activity within the RhÃ´ne deep-sea turbidite system (Gulf of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Geology, 2009, 257, 65-86.	0.9	17
57	Geological overview of the Angolaâ€"Congo margin, the Congo deep-sea fan and its submarine valleys. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2169-2182.	0.6	112
58	Hf and Nd isotopes in marine sediments: Constraints on global silicate weathering. Earth and Planetary Science Letters, 2009, 277, 318-326.	1.8	112
59	Phase relationship between sea level and abrupt climate change. Quaternary Science Reviews, 2009, 28, 2867-2881.	1.4	74
60	Abrupt climate change, sea surface salinity and paleoproductivity in the western Mediterranean Sea (Gulf of Lion) during the last 28Âkyr. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 279, 96-113.	1.0	59
61	Discovery of a giant deep-sea valley in the Indian Ocean, off eastern Africa: The Tanzania channel. Marine Geology, 2008, 255, 179-185.	0.9	30
62	Activity of the turbidite levees of the Celticâ€"Armorican margin (Bay of Biscay) during the last 30,000Âyears: Imprints of the last European deglaciation and Heinrich events. Marine Geology, 2008, 247, 84-103.	0.9	71
63	Climatic cycles as expressed in sediments of the PROMESS1 borehole PRAD1â€2, central Adriatic, for the last 370 ka: 1. Integrated stratigraphy. Geochemistry, Geophysics, Geosystems, 2008, 9, .	1.0	31
64	The 100â€ka and rapid sea level changes recorded by prograding shelf sand bodies in the Gulf of Lions (western Mediterranean Sea). Geochemistry, Geophysics, Geosystems, 2008, 9, .	1.0	54
65	Late Glacial to Preboreal sea-level rise recorded by the RhÃ´ne deltaic system (NW Mediterranean). Marine Geology, 2007, 245, 65-88.	0.9	84
66	A walk down the Cap de Creus canyon, Northwestern Mediterranean Sea: Recent processes inferred from morphology and sediment bedforms. Marine Geology, 2007, 246, 176-192.	0.9	102
67	Avulsion phenomenon: process and consequences on fan evolution. A new perspective from the Zaire (Congo) Turbidite System (ZaiAngo Project, Ifremer/Total). , 2007, , .		0
68	Shoreface migrations at the shelf edge and sea-level changes around the Last Glacial Maximum (Gulf) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	87
69	Eivissa slides, western Mediterranean Sea: morphology and processes. Geo-Marine Letters, 2006, 26, 225-233.	0.5	33
70	Vertical grain-size variability within a turbidite levee: Autocyclicity or allocyclicity? A case study from the RhÃ´ne neofan, Gulf of Lions, Western Mediterranean. Marine Geology, 2006, 234, 191-213.	0.9	33
71	ROV study of a giant pockmark on the Gabon continental margin. Geo-Marine Letters, 2005, 25, 281-292.	0.5	104
72	Architecture and depositional pattern of the RhÃ´ne Neofan and recent gravity activity in the Gulf of Lions (western Mediterranean). Marine and Petroleum Geology, 2005, 22, 827-843.	1.5	57

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73	The Role of Canyons on Strata Formation. Oceanography, 2004, 17, 80-91.	0.5	37
74	The Late-Quaternary climatic signal recorded in a deep-sea turbiditic levee (RhÃ´ne Neofan, Gulf of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	20
75	Triggering mechanisms of slope instability processes and sediment failures on continental margins: a geotechnical approach. Marine Geology, 2004, 213, 291-321.	0.9	285
76	Direct observation of intense turbidity current activity in the Zaire submarine valley at 4000 m water depth. Marine Geology, 2003, 194, 151-158.	0.9	262
77	Terrigenous fluxes at the Celtic margin during the last glacial cycle. Marine Geology, 2002, 188, 79-108.	0.9	57
78	Structure et Ã©volution rÃ©cente de lâ€™Ã©ventail turbiditique du ZaÃ¯reÂ: premiers rÃ©sultats scientifiques des missions dâ€™exploration ZaÃ¯ango1 & 2 (marge Congoâ€“Angola). Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 2000, 331, 211-220.	0.2	19
79	Surconsolidation apparente et pression osmotique dans un sÃ©diment marin. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 2000, 331, 379-386.	0.2	2