

Bernard Dennielou

List of Publications by Year in Descending Order

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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 | 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 | |
| 81 | 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 | 3.3 | 7 |
| 80 | 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 |
| 79 | Width variation around submarine channel bends: Implications for sedimentation and channel evolution. <i>Marine Geology</i> , 2021 , 437, 106504 | 3.3 | 0 |
| 78 | 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 |
| 77 | 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 |
| 76 | 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 |
| 75 | 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 |
| 74 | The Last Glacial Maximum Balearic Abyssal Plain megabed revisited. <i>Geological Society Special Publication</i> , 2020 , 500, 341-357 | 1.7 | 3 |
| 73 | Routing of terrestrial organic matter from the Congo River to the ultimate sink in the abyss: a mass balance approach (Andr  Dumont medallist lecture 2017). <i>Geologica Belgica</i> , 2020 , 23, xx-xx | 0.5 | 2 |
| 72 | 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 |
| 71 | On the termination of deep-sea fan channels: Examples from the Rh ne Fan (Gulf of Lion, Western Mediterranean Sea). <i>Geomorphology</i> , 2020 , 369, 107368 | 4.3 | 5 |
| 70 | Consistently dated Atlantic sediment cores over the last 40 thousand years. <i>Scientific Data</i> , 2019 , 6, 165 | 8.2 | 33 |
| 69 | 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 |
| 68 | 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 |
| 67 | Carbon and silica megasink in deep-sea sediments of the Congo terminal lobes. <i>Quaternary Science Reviews</i> , 2019 , 222, 105854 | 3.9 | 11 |
| 66 | Monsoon control on channel avulsions in the Late Quaternary Congo Fan. <i>Quaternary Science Reviews</i> , 2019 , 204, 149-171 | 3.9 | 18 |

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| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | 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 |
| 61 | 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 |
| 60 | Origin and distribution of the organic matter in the distal lobe of the Congo deep-sea fan IIA Rock-Eval survey. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 142, 75-90 | 2.3 | 22 |
| 59 | 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 |
| 58 | 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 |
| 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 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |

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|----|---|------|-----|
| 47 | Rare earth elements and neodymium isotopes in world river sediments revisited. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 170, 17-38 | 5.5 | 159 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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} | 4.0 | 40 |
| 42 | High-resolution vegetation history of West Africa during the last 145 ka. <i>Geobios</i> , 2014 , 47, 183-198 | 1.5 | 18 |
| 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 | 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 |
| 39 | Historical evolution and extreme climate events during the last 400years on the Rhone prodelta (NW Mediterranean). <i>Marine Geology</i> , 2013 , 346, 375-391 | 3.3 | 25 |
| 38 | 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 |
| 37 | 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 |
| 36 | Intensifying weathering and land use in Iron Age Central Africa. <i>Science</i> , 2012 , 335, 1219-22 | 33.3 | 139 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | Sedimentological imprint on subseafloor microbial communities in Western Mediterranean Sea Quaternary sediments. <i>Biogeosciences</i> , 2012 , 9, 3491-3512 | 4.6 | 12 |
| 31 | Response to Comments on "Intensifying Weathering and Land Use in Iron Age Central Africa". <i>Science</i> , 2012 , 337, 1040-1040 | 33.3 | 3 |
| 30 | 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 |

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| 29 | 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 |
| 28 | 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 |
| 27 | Mass Wasting Dynamics at the Deeper Slope of the Ligurian Margin (Southern France) 2010 , 67-77 | | 0 |
| 26 | Post-glacial persistence of turbiditic activity within the Rh ne 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | Phase relationship between sea level and abrupt climate change. <i>Quaternary Science Reviews</i> , 2009 , 28, 2867-2881 | 3.9 | 64 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | Late Glacial to Preboreal sea-level rise recorded by the Rh ne deltaic system (NW Mediterranean). <i>Marine Geology</i> , 2007 , 245, 65-88 | 3.3 | 72 |
| 16 | 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 |
| 15 | Vertical grain-size variability within a turbidite levee: Autocyclicity or allocyclicity? A case study from the Rh ne neofan, Gulf of Lions, Western Mediterranean. <i>Marine Geology</i> , 2006 , 234, 191-213 | 3.3 | 29 |
| 14 | 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 |
| 13 | Eivissa slides, western Mediterranean Sea: morphology and processes. <i>Geo-Marine Letters</i> , 2006 , 26, 225-233 | 3.3 | 29 |
| 12 | Architecture and depositional pattern of the Rh ne 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 |

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|----|---|-----|-----|
| 11 | ROV study of a giant pockmark on the Gabon continental margin. <i>Geo-Marine Letters</i> , 2005 , 25, 281-292 | 1.9 | 99 |
| 10 | The Role of Canyons on Strata Formation. <i>Oceanography</i> , 2004 , 17, 80-91 | 2.3 | 29 |
| 9 | The Late-Quaternary climatic signal recorded in a deep-sea turbiditic levee (Rh e Neofan, Gulf of Lions, NW Mediterranean): palynological constraints. <i>Sedimentary Geology</i> , 2004 , 172, 85-97 | 2.8 | 17 |
| 8 | 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 |
| 7 | 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 |
| 6 | Terrigenous fluxes at the Celtic margin during the last glacial cycle. <i>Marine Geology</i> , 2002 , 188, 79-108 | 3.3 | 53 |
| 5 | Premi res observations sur la morphologie et les processus s dimentaires r cents de l' ventail celtique. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 2000 , 23, 109-116 | | 17 |
| 4 | Structure et  volution r cente de l' ventail turbiditique du Za re : premiers r sultats scientifiques des missions d'exploration Za ngo1 & 2 (marge Congo-Angola). <i>Comptes Rendus De L'Acad mie Des Sciences Earth & Planetary Sciences S rie II, Sciences De La Terre Et Des Plan tes</i> =, 2000 , 331, 211-220 | | 11 |
| 3 | Surconsolidation apparente et pression osmotique dans un s diment marin. <i>Comptes Rendus De L'Acad mie Des Sciences Earth & Planetary Sciences S rie II, Sciences De La Terre Et Des Plan tes</i> =, 2000 , 331, 379-386 | | 2 |
| 2 | Contr le exerc  par la dorsale m dio-Atlantique et le Gulf Stream sur la s dimentation quaternaire sur le plateau des A res. <i>Comptes Rendus De L'Acad mie Des Sciences Earth & Planetary Sciences S rie II, Sciences De La Terre Et Des Plan tes</i> =, 1999 , 328, 831-837 | | |
| 1 | Paleoenvironmental imprint on seafloor microbial communities in Western Mediterranean Sea Quaternary sediments | | 1 |