

Christophe Colin

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.

62

papers

2,303

citations

23

h-index

47

g-index

67

ext. papers

2,750

ext. citations

3.6

avg, IF

4.41

L-index

#	Paper	IF	Citations
62	Enhancements of Himalayan and Tibetan Erosion and the Produced Organic Carbon Burial in Distal Tropical Marginal Seas During the Quaternary Glacial Periods: An Integration of Sedimentary Records. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021 , 126, e2020JF005828	3.8	2
61	Changes in the Intermediate Water Masses of the Mediterranean Sea During the Last Climatic Cycle: New Constraints From Neodymium Isotopes in Foraminifera. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2020PA004153	3.3	0
60	Paleoenvironmental evolution of South Asia and its link to Himalayan uplift and climatic change since the late Eocene. <i>Global and Planetary Change</i> , 2021 , 200, 103459	4.2	5
59	Evaluating the impact of Mediterranean overflow on the large-scale Atlantic Ocean circulation using neodymium isotopic composition. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021 , 570, 110359	2.9	0
58	Deep-Water Formation in the North Pacific During the Late Miocene Global Cooling. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2020PA003946	3.3	1
57	From glacial times to late Holocene: Benthic foraminiferal assemblages from cold water coral habitats off northwest Scotland. <i>Marine Geology</i> , 2021 , 440, 106581	3.3	0
56	Variations in eastern Mediterranean hydrology during the last climatic cycle as inferred from neodymium isotopes in foraminifera. <i>Quaternary Science Reviews</i> , 2020 , 237, 106306	3.9	5
55	Climate-Driven Weathering Shifts Between Highlands and Floodplains. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2020GC008936	3.6	7
54	North Indian Ocean Circulation Since the Last Deglaciation as Inferred From New Elemental Ratio Records for Benthic Foraminifera <i>Hoeglundina elegans</i> . <i>Paleoceanography and Paleoclimatology</i> , 2020 , 35, e2019PA003801	3.3	1
53	Enhanced terrigenous organic matter input and productivity on the western margin of the Western Pacific Warm Pool during the Quaternary sea-level lowstands: Forcing mechanisms and implications for the global carbon cycle. <i>Quaternary Science Reviews</i> , 2020 , 232, 106211	3.9	5
52	Magnetic fabric of Bengal fan sediments: Holocene record of sedimentary processes and turbidite activity from the Ganges-Brahmaputra river system. <i>Marine Geology</i> , 2020 , 430, 106347	3.3	2
51	Impact of freshwater release in the Mediterranean Sea on the North Atlantic climate. <i>Climate Dynamics</i> , 2019 , 53, 3893-3915	4.2	9
50	Holocene shifts in sub-surface water circulation of the North-East Atlantic inferred from Nd isotopic composition in cold-water corals. <i>Marine Geology</i> , 2019 , 410, 135-145	3.3	4
49	Changes in Intermediate Circulation in the Bay of Bengal Since the Last Glacial Maximum as Inferred From Benthic Foraminifera Assemblages and Geochemical Proxies. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 1592-1608	3.6	6
48	Millennial-scale variations of the Holocene North Atlantic mid-depth gyre inferred from radiocarbon and neodymium isotopes in cold water corals. <i>Quaternary Science Reviews</i> , 2019 , 211, 93-106	3.9	5
47	Onset and demise of coral reefs, relationship with regional ocean circulation on the Wyville Thomson Ridge. <i>Marine Geology</i> , 2019 , 416, 105969	3.3	2
46	Sea level-controlled sediment transport to the eastern Arabian Sea over the past 600 kyr: Clay minerals and Sr Nd isotopic evidence from IODP site U1457. <i>Quaternary Science Reviews</i> , 2019 , 205, 22-34	3.9	21

45	ENSO-Like Modulated Tropical Pacific Climate Changes Since 2.36 Myr and Its Implication for the Middle Pleistocene Transition. <i>Geochemistry, Geophysics, Geosystems</i> , 2018 , 19, 415-426	3.6	11
44	Compiling multiproxy quantitative hydrographic data from Holocene marine archives in the North Atlantic: A way to decipher oceanic and climatic dynamics and natural modes?. <i>Global and Planetary Change</i> , 2018 , 170, 48-61	4.2	7
43	Antarctic Intermediate Water penetration into the Northern Indian Ocean during the last deglaciation. <i>Earth and Planetary Science Letters</i> , 2018 , 500, 67-75	5.3	15
42	Responses of the East Asian Summer Monsoon in the Low-Latitude South China Sea to High-Latitude Millennial-Scale Climatic Changes During the Last Glaciation: Evidence From a High-Resolution Clay Mineralogical Record. <i>Paleoceanography and Paleoclimatology</i> , 2018 , 33, 745-765	3.3	22
41	Multi-centennial variability of the AMOC over the Holocene: A new reconstruction based on multiple proxy-derived SST records. <i>Global and Planetary Change</i> , 2018 , 170, 172-189	4.2	23
40	Seasonal Variations in the Siliciclastic Fluxes to the Western Philippine Sea and Their Impacts on Seawater $\delta^{15}N$ Values Inferred From 1 Year of In Situ Observations Above Benham Rise. <i>Journal of Geophysical Research: Oceans</i> , 2018 , 123, 6688-6702	3.3	5
39	Imprint of Holocene Climate Variability on Cold-Water Coral Reef Growth at the SW Rockall Trough Margin, NE Atlantic. <i>Geochemistry, Geophysics, Geosystems</i> , 2018 , 19, 2437-2452	3.6	7
38	Fingerprinting Northeast Atlantic water masses using neodymium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 210, 267-288	5.5	14
37	Yttrium and rare earth element partitioning in seawaters from the Bay of Bengal. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 1388-1403	3.6	4
36	The large-scale evolution of neodymium isotopic composition in the global modern and Holocene ocean revealed from seawater and archive data. <i>Chemical Geology</i> , 2017 , 457, 131-148	4.2	58
35	Seasonal variations in dissolved neodymium isotope composition in the Bay of Bengal. <i>Earth and Planetary Science Letters</i> , 2017 , 479, 310-321	5.3	18
34	Hydrological variations of the intermediate water masses of the western Mediterranean Sea during the past 20 ka inferred from neodymium isotopic composition in foraminifera and cold-water corals. <i>Climate of the Past</i> , 2017 , 13, 17-37	3.9	20
33	Foraminiferal $\delta^{15}N$ in the deep north-western subtropical Pacific Ocean: Tracing changes in weathering input over the last 30,000 years. <i>Chemical Geology</i> , 2017 , 470, 55-66	4.2	4
32	Link between Indian monsoon rainfall and physical erosion in the Himalayan system during the Holocene. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 3452-3469	3.6	14
31	The Bengal fan: External controls on the Holocene Active Channel turbidite activity. <i>Holocene</i> , 2017 , 27, 900-913	2.6	17
30	Changes in Holocene meridional circulation and poleward Atlantic flow: the Bay of Biscay as a nodal point. <i>Climate of the Past</i> , 2017 , 13, 201-216	3.9	20
29	Source-to-sink transport processes of fluvial sediments in the South China Sea. <i>Earth-Science Reviews</i> , 2016 , 153, 238-273	10.2	227
28	Climatic control of sediment transport from the Himalayas to the proximal NE Bengal Fan during the last glacial-interglacial cycle. <i>Quaternary Science Reviews</i> , 2016 , 148, 1-16	3.9	45

27	Climate forcing of terrigenous sediment input to the central Mediterranean Sea since the early Pleistocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016 , 442, 23-35	2.9	6
26	Co-evolution of monsoonal precipitation in East Asia and the tropical Pacific ENSO system since 2.36 Ma: New insights from high-resolution clay mineral records in the West Philippine Sea. <i>Earth and Planetary Science Letters</i> , 2016 , 446, 45-55	5.3	28
25	South Atlantic intermediate water advances into the North-east Atlantic with reduced Atlantic meridional overturning circulation during the last glacial period. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 2336-2353	3.6	14
24	Neodymium isotopic composition in foraminifera and authigenic phases of the South China Sea sediments: Implications for the hydrology of the North Pacific Ocean over the past 25 kyr. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 3883-3904	3.6	17
23	New insights into hydrological exchange between the South China Sea and the Western Pacific Ocean based on the Nd isotopic composition of seawater. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015 , 122, 25-40	2.3	26
22	Late Miocene to early Pliocene climate variability off NW Africa (ODP Site 659). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014 , 401, 81-95	2.9	21
21	Decadal changes in the mid-depth water mass dynamic of the Northeastern Atlantic margin (Bay of Biscay). <i>Earth and Planetary Science Letters</i> , 2013 , 364, 134-144	5.3	20
20	Reconstructing precipitation changes in northeastern Africa during the Quaternary by clay mineralogical and geochemical investigations of Nile deep-sea fan sediments. <i>Quaternary Science Reviews</i> , 2012 , 57, 58-70	3.9	49
19	GEOTRACES intercalibration of neodymium isotopes and rare earth element concentrations in seawater and suspended particles. Part 1: reproducibility of results for the international intercomparison. <i>Limnology and Oceanography: Methods</i> , 2012 , 10, 234-251	2.6	93
18	The climate influence on the mid-depth Northeast Atlantic gyres viewed by cold-water corals. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	19
17	Variations of the Nile suspended discharges during the last 1.75Myr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 311, 230-241	2.9	44
16	The importance of the terrigenous fraction within a cold-water coral mound: A case study. <i>Marine Geology</i> , 2011 , 282, 13-25	3.3	11
15	Neodymium isotopic composition of deep-sea corals from the NE Atlantic: implications for past hydrological changes during the Holocene. <i>Quaternary Science Reviews</i> , 2010 , 29, 2509-2517	3.9	65
14	Nd isotopes in deep-sea corals in the North-eastern Atlantic. <i>Quaternary Science Reviews</i> , 2010 , 29, 2499-2508	3.9	54
13	A high-resolution clay mineralogical record in the northern South China Sea since the Last Glacial Maximum, and its time series provenance analysis. <i>Science Bulletin</i> , 2010 , 55, 4058-4068		32
12	Late glacial to Holocene planktic foraminifera bioevents and climatic record in the South Adriatic Sea. <i>Journal of Quaternary Science</i> , 2010 , 25, 808-821	2.3	54
11	Clay minerals and geochemistry record from northwest Mediterranean coastal lagoon sequence: Implications for paleostorm reconstruction. <i>Sedimentary Geology</i> , 2010 , 228, 205-217	2.8	49
10	Clay mineral distribution in surface sediments of the northeastern South China Sea and surrounding fluvial drainage basins: Source and transport. <i>Marine Geology</i> , 2010 , 277, 48-60	3.3	168

9	The Holocene occurrence of cold water corals in the NE Atlantic: Implications for coral carbonate mound evolution. <i>Marine Geology</i> , 2009 , 266, 129-142	3.3	70
8	Chemical weathering in Luzon, Philippines from clay mineralogy and major-element geochemistry of river sediments. <i>Applied Geochemistry</i> , 2009 , 24, 2195-2205	3.5	103
7	Traceurs sédimentaires des variations du niveau marin et de la mousson sud-est asiatique depuis 450 ka en mer de Chine du Sud. <i>Comptes Rendus - Geoscience</i> , 2008 , 340, 367-378	1.4	1
6	Detrital fine-grained sediment contribution from Taiwan to the northern South China Sea and its relation to regional ocean circulation. <i>Marine Geology</i> , 2008 , 255, 149-155	3.3	153
5	Climatic and tectonic controls on weathering in south China and Indochina Peninsula: Clay mineralogical and geochemical investigations from the Pearl, Red, and Mekong drainage basins. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	159
4	Sedimentary responses to the Pleistocene climatic variations recorded in the South China Sea. <i>Quaternary Research</i> , 2007 , 68, 162-172	1.9	66
3	Late Quaternary climatic control on erosion and weathering in the eastern Tibetan Plateau and the Mekong Basin. <i>Quaternary Research</i> , 2005 , 63, 316-328	1.9	78
2	Erosional history of the eastern Tibetan Plateau since 190 kyr ago: clay mineralogical and geochemical investigations from the southwestern South China Sea. <i>Marine Geology</i> , 2004 , 209, 1-18	3.3	113
1	Clay mineral assemblages in the northern South China Sea: implications for East Asian monsoon evolution over the past 2 million years. <i>Marine Geology</i> , 2003 , 201, 133-146	3.3	184