

Christophe Colin

List of Publications by Year in descending order

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66
papers

3,152
citations

201385

27
h-index

155451

55
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67
all docs

67
docs citations

67
times ranked

2579
citing authors

#	ARTICLE	IF	CITATIONS
1	Source-to-sink transport processes of fluvial sediments in the South China Sea. <i>Earth-Science Reviews</i> , 2016, 153, 238-273.	4.0	351
2	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.	0.9	229
3	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.	0.9	221
4	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.	1.0	216
5	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.	0.9	194
6	Chemical weathering in Luzon, Philippines from clay mineralogy and major-element geochemistry of river sediments. <i>Applied Geochemistry</i> , 2009, 24, 2195-2205.	1.4	141
7	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.	0.9	135
8	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.	1.0	119
9	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.	1.0	91
10	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.	0.9	86
11	Sedimentary responses to the Pleistocene climatic variations recorded in the South China Sea. <i>Quaternary Research</i> , 2007, 68, 162-172.	1.0	81
12	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.	1.4	78
13	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.	1.4	74
14	Nd isotopes in deep-sea corals in the North-eastern Atlantic. <i>Quaternary Science Reviews</i> , 2010, 29, 2499-2508.	1.4	69
15	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.	1.4	67
16	Clay minerals and geochemistry record from northwest Mediterranean coastal lagoon sequence: Implications for paleostorm reconstruction. <i>Sedimentary Geology</i> , 2010, 228, 205-217.	1.0	62
17	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.	1.1	61
18	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.	1.4	54

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19	Variations of the Nile suspended discharges during the last 1.75Myr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 311, 230-241.	1.0	49
20	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.	1.6	46
21	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.	1.7	43
22	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.	1.8	40
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.	0.6	39
24	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.	1.3	35
25	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.	1.4	34
26	Antarctic Intermediate Water penetration into the Northern Indian Ocean during the last deglaciation. <i>Earth and Planetary Science Letters</i> , 2018, 500, 67-75.	1.8	33
27	The Bengal fan: External controls on the Holocene Active Channel turbidite activity. <i>Holocene</i> , 2017, 27, 900-913.	0.9	29
28	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.	1.3	27
29	Decadal changes in the mid-depth water mass dynamic of the Northeastern Atlantic margin (Bay of Bengal). <i>Journal of Geophysical Research</i> , 2017, 122, 10743-10760.	1.8	26
30	Seasonal variations in dissolved neodymium isotope composition in the Bay of Bengal. <i>Earth and Planetary Science Letters</i> , 2017, 479, 310-321.	1.8	26
31	Late Miocene to early Pliocene climate variability off NW Africa (ODP Site 659). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 401, 81-95.	1.0	24
32	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.	1.3	24
33	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.	1.0	23
34	Link between Indian monsoon rainfall and physical erosion in the Himalayan system during the Holocene. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3452-3469.	1.0	23
35	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.	1.5	22
36	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.	1.0	21

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37	Fingerprinting Northeast Atlantic water masses using neodymium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 210, 267-288.	1.6	19
38	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.	1.0	17
39	The importance of the terrigenous fraction within a cold-water coral mound: A case study. <i>Marine Geology</i> , 2011, 282, 13-25.	0.9	15
40	Climate-Driven Weathering Shifts Between Highlands and Floodplains. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC008936.	1.0	15
41	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.	1.6	14
42	Yttrium and rare earth element partitioning in seawaters from the Bay of Bengal. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1388-1403.	1.0	13
43	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.	1.4	13
44	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.	1.0	12
45	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.	1.4	12
46	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.	1.4	12
47	Impact of freshwater release in the Mediterranean Sea on the North Atlantic climate. <i>Climate Dynamics</i> , 2019, 53, 3893-3915.	1.7	11
48	Foraminiferal $\delta^{15}\text{N}$ 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.	1.4	10
49	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.	1.0	9
50	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.	1.3	9
51	Deep-Water Formation in the North Pacific During the Late Miocene Global Cooling. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003946.	1.3	9
52	Seasonal Variations in the Siliciclastic Fluxes to the Western Philippine Sea and Their Impacts on Seawater $\delta^{15}\text{N}$ Values Inferred From 1-Year of In Situ Observations Above Benham Rise. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6688-6702.	1.0	7
53	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.	1.6	7
54	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.	0.9	7

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55	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.	1.0	7
56	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.	1.3	7
57	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.	0.9	7
58	Climate forcing of terrigenous sediment input to the central Mediterranean Sea since the early Pleistocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 442, 23-35.	1.0	6
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.	1.0	5
60	Onset and demise of coral reefs, relationship with regional ocean circulation on the Wyville Thomson Ridge. <i>Marine Geology</i> , 2019, 416, 105969.	0.9	4
61	Dissolved neodymium isotopes in the Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 322, 143-169.	1.6	4
62	From glacial times to late Holocene: Benthic foraminiferal assemblages from cold water coral habitats off northwest Scotland. <i>Marine Geology</i> , 2021, 440, 106581.	0.9	2
63	Quantifying Iron Oxide Mineral Contents in Miocene Oceanic Red Beds for the Deep-Sea Oxidation Evolution in the South China Sea. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	2
64	Climate and sea level forcing of terrigenous sediments input to the eastern Arabian Sea since the last glacial period. <i>Marine Geology</i> , 2022, 450, 106860.	0.9	2
65	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.	0.4	1
66	The Effect of Size Distribution on the Geochemistry and Mineralogy of Tropical River Sediments and Its Implications regarding Chemical Weathering and Fractionation of Alkali Elements. <i>Lithosphere</i> , 2022, 2022, .	0.6	1