

Jean-SÃ©bastien Moquet

List of Publications by Year in descending order

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34
papers

1,002
citations

430754

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434063

31
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all docs

36
docs citations

36
times ranked

1497
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical weathering and atmospheric/soil CO ₂ uptake in the Andean and Foreland Amazon basins. <i>Chemical Geology</i> , 2011, 287, 1-26.	1.4	121
2	Floodplains of large rivers: Weathering reactors or simple silos?. <i>Chemical Geology</i> , 2012, 332-333, 166-184.	1.4	96
3	Centennial-scale solar forcing of the South American Monsoon System recorded in stalagmites. <i>Scientific Reports</i> , 2016, 6, 24762.	1.6	71
4	Hydrological responses of a watershed to historical land use evolution and future land use scenarios under climate change conditions. <i>Hydrology and Earth System Sciences</i> , 2008, 12, 101-110.	1.9	61
5	Amazon River dissolved load: temporal dynamics and annual budget from the Andes to the ocean. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11405-11429.	2.7	60
6	Two Millennia of South Atlantic Convergence Zone Variability Reconstructed From Isotopic Proxies. <i>Geophysical Research Letters</i> , 2018, 45, 5045-5051.	1.5	53
7	Suspended sediment dynamics in the Amazon River of Peru. <i>Journal of South American Earth Sciences</i> , 2013, 44, 75-84.	0.6	46
8	Holocene changes in monsoon precipitation in the Andes of NE Peru based on $\delta^{18}O$ speleothem records. <i>Quaternary Science Reviews</i> , 2016, 146, 274-287.	1.4	44
9	A reassessment of the suspended sediment load in the Madeira River basin from the Andes of Peru and Bolivia to the Amazon River in Brazil, based on 10 years of data from the HYBAM monitoring programme. <i>Journal of Hydrology</i> , 2017, 553, 35-48.	2.3	42
10	Assessing the Effect of Climate Change on River Flow Using General Circulation Models and Hydrological Modelling – Application to the Chaudière River, Québec, Canada. <i>Canadian Water Resources Journal</i> , 2008, 33, 73-94.	0.5	37
11	Climatic control on eastern Andean denudation rates (Central Cordillera from Ecuador to Bolivia). <i>Journal of South American Earth Sciences</i> , 2013, 44, 85-93.	0.6	35
12	River Mixing in the Amazon as a Driver of Concentration–Discharge Relationships. <i>Water Resources Research</i> , 2017, 53, 8660-8685.	1.7	33
13	Mountain ranges, climate and weathering. Do orogens strengthen or weaken the silicate weathering carbon sink?. <i>Earth and Planetary Science Letters</i> , 2018, 493, 174-185.	1.8	32
14	Controls on the geochemistry of suspended sediments from large tropical South American rivers (Amazon, Orinoco and Maroni). <i>Chemical Geology</i> , 2019, 522, 38-54.	1.4	32
15	Seasonal variability of total dissolved fluxes and origin of major dissolved elements within a large tropical river: The Orinoco, Venezuela. <i>Journal of South American Earth Sciences</i> , 2013, 44, 4-17.	0.6	27
16	Cl and Na Fluxes in an Andean Foreland Basin of the Peruvian Amazon: An Anthropogenic Impact Evidence. <i>Aquatic Geochemistry</i> , 2014, 20, 613-637.	1.5	27
17	Calibration of speleothem $\delta^{18}O$ records against hydroclimate instrumental records in Central Brazil. <i>Global and Planetary Change</i> , 2016, 139, 151-164.	1.6	27
18	Suspended sediment and dissolved load budgets of two Amazonian rivers from the Guiana Shield: Maroni River at Langa Tabiki and Oyapock River at Saut Maripa (French Guiana). <i>Hydrological Processes</i> , 2010, 24, 1433-1445.	1.1	24

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19	Modelling the riverine $\delta^{7}\text{Li}$ variability throughout the Amazon Basin. <i>Chemical Geology</i> , 2020, 532, 119336.	1.4	19
20	Evolution of the riverine nutrient export to the Tropical Atlantic over the last 15 years: is there a link with Sargassum proliferation?. <i>Environmental Research Letters</i> , 2021, 16, 034042.	2.2	18
21	Yields of suspended sediment and dissolved solids from the Andean basins of Ecuador. <i>Hydrological Sciences Journal</i> , 2013, 58, 1478-1494.	1.2	16
22	Comparison between Silicate Weathering and Physical Erosion Rates in Andean Basins of the Amazon River. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 275-279.	0.6	12
23	Investigating $\delta^{13}\text{C}$ values in stalagmites from tropical South America for the last two millennia. <i>Quaternary Science Reviews</i> , 2021, 255, 106822.	1.4	12
24	Groundwater isotopic data as potential proxy for Holocene paleohydroclimatic and paleoecological models in NE Brazil. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 469, 92-103.	1.0	10
25	The origin of continental carbonates in Andean salars: A multi-tracer geochemical approach in Laguna Pastos Grandes (Bolivia). <i>Geochimica Et Cosmochimica Acta</i> , 2020, 279, 220-237.	1.6	9
26	Sediment budget in the Ucayali River basin, an Andean tributary of the Amazon River. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 367, 320-325.	1.0	8
27	Temporal variability and annual budget of inorganic dissolved matter in Andean Pacific Rivers located along a climate gradient from northern Ecuador to southern Peru. <i>Comptes Rendus - Geoscience</i> , 2018, 350, 76-87.	0.4	7
28	Control of seasonal and inter-annual rainfall distribution on the Strontium-Neodymium isotopic compositions of suspended particulate matter and implications for tracing ENSO events in the Pacific coast (Tumbes basin, Peru). <i>Global and Planetary Change</i> , 2020, 185, 103080.	1.6	5
29	Geochemistry of organic-rich river waters in Amazonia: Insights on weathering processes of intertropical cratonic terrain. <i>Applied Geochemistry</i> , 2016, 65, 22-35.	1.4	4
30	Geoquímica de rios de Água preta do sudeste do Amazonas: origem, fluxo dos elementos e consumo de CO_2 . <i>Acta Amazonica</i> , 2013, 43, 343-352.	0.3	4
31	Spatial-temporal variation of dissolved inorganic material in the Amazon basin. <i>Acta Amazonica</i> , 2015, 45, 175-186.	0.3	3
32	Contaminant transfer and hydrodispersive parameters in basaltic lava flows: artificial tracer test and implications for long-term management. <i>Open Geosciences</i> , 2015, 7, .	0.6	3
33	Hydrological control, fractionation, and fluxes of dissolved rare earth elements in the lower Orinoco River, Venezuela. <i>Applied Geochemistry</i> , 2020, 112, 104462.	1.4	3
34	Contrasted Chemical Weathering Rates in Cratonic Basins: The OgoouÃ© and Mbei Rivers, Western Central Africa. <i>Frontiers in Water</i> , 2021, 2, .	1.0	1