

Franco Marcantonio

List of Publications by Year in descending order

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59
papers

2,514
citations

172457

29
h-index

197818

49
g-index

61
all docs

61
docs citations

61
times ranked

2318
citing authors

#	ARTICLE	IF	CITATIONS
1	Re-assessing the surface cycling of molybdenum and rhenium. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7146-7179.	3.9	225
2	Os isotope systematics in ocean island basalts. <i>Earth and Planetary Science Letters</i> , 1993, 120, 149-167.	4.4	216
3	Os isotope systematics of La Palma, Canary Islands: Evidence for recycled crust in the mantle source of HIMU ocean islands. <i>Earth and Planetary Science Letters</i> , 1995, 133, 397-410.	4.4	121
4	Extraterrestrial ³ He as a tracer of marine sediment transport and accumulation. <i>Nature</i> , 1996, 383, 705-707.	27.8	120
5	Sediment focusing in the central equatorial Pacific Ocean. <i>Paleoceanography</i> , 2001, 16, 260-267.	3.0	95
6	A comparative study of accumulation rates derived by He and Th isotope analysis of marine sediments. <i>Earth and Planetary Science Letters</i> , 1995, 133, 549-555.	4.4	92
7	Isotopic evidence for the crustal evolution of the Frontenac Arch in the Grenville Province of Ontario, Canada. <i>Chemical Geology</i> , 1990, 83, 297-314.	3.3	84
8	Deglacial changes in dust flux in the eastern equatorial Pacific. <i>Earth and Planetary Science Letters</i> , 2007, 257, 215-230.	4.4	80
9	Ocean dynamics, not dust, have controlled equatorial Pacific productivity over the past 500,000 years. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6119-6124.	7.1	79
10	A 1,800-million-year-old Proterozoic gneiss terrane in Islay with implications for the crustal structure and evolution of Britain. <i>Nature</i> , 1988, 335, 62-64.	27.8	77
11	Variations in productivity and eolian fluxes in the northeastern Arabian Sea during the past 110 ka. <i>Earth and Planetary Science Letters</i> , 2004, 221, 39-54.	4.4	67
12	No iron fertilization in the equatorial Pacific Ocean during the last ice age. <i>Nature</i> , 2016, 529, 519-522.	27.8	63
13	1.1 Ga K-rich alkaline plutonism in the SW Grenville Province. <i>Contributions To Mineralogy and Petrology</i> , 1990, 105, 473-485.	3.1	58
14	A Pb isotope record of mid-Atlantic US atmospheric Pb emissions in Chesapeake Bay sediments. <i>Marine Chemistry</i> , 2002, 77, 123-132.	2.3	57
15	²³⁰ Th Normalization: New Insights on an Essential Tool for Quantifying Sedimentary Fluxes in the Modern and Quaternary Ocean. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003820.	2.9	56
16	The accretion rate of extraterrestrial ³ He based on oceanic ²³⁰ Th flux and the relation to Os isotope variation over the past 200,000 years in an Indian Ocean core. <i>Earth and Planetary Science Letters</i> , 1999, 170, 157-168.	4.4	52
17	Deglacial variability of Antarctic Intermediate Water penetration into the North Atlantic from authigenic neodymium isotope ratios. <i>Paleoceanography</i> , 2012, 27, .	3.0	49
18	Re-Os isotopic systematics in chromitites from the Stillwater Complex, Montana, USA. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 4029-4037.	3.9	45

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19	Abrupt intensification of the SW Indian Ocean monsoon during the last deglaciation: constraints from Th, Pa, and He isotopes. <i>Earth and Planetary Science Letters</i> , 2001, 184, 505-514.	4.4	40
20	Terrigenous helium in deep-sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 1535-1543.	3.9	37
21	Comment on "Do geochemical estimates of sediment focusing pass the sediment test in the equatorial Pacific?" by M. Lyle et al.. <i>Paleoceanography</i> , 2007, 22, n/a-n/a.	3.0	37
22	Sediment focusing creates 100-ka cycles in interplanetary dust accumulation on the Ontong Java Plateau. <i>Earth and Planetary Science Letters</i> , 2002, 203, 383-397.	4.4	36
23	Solar forcing of Florida Straits surface salinity during the early Holocene. <i>Paleoceanography</i> , 2012, 27, .	3.0	35
24	Lead Isotopes in Tree Rings: A Chronology of Pollution in Bayou Trepagnier, Louisiana. <i>Environmental Science & Technology</i> , 1998, 32, 2371-2376.	10.0	33
25	The response of excess ²³⁰ Th and extraterrestrial ³ He to sediment redistribution at the Blake Ridge, western North Atlantic. <i>Earth and Planetary Science Letters</i> , 2010, 299, 138-149.	4.4	33
26	The behavior of natural and anthropogenic osmium in Long Island Sound, an urban estuary in the eastern U.S.. <i>Earth and Planetary Science Letters</i> , 1997, 148, 341-347.	4.4	32
27	Deglacial dust provenance changes in the Eastern Equatorial Pacific and implications for ITCZ movement. <i>Earth and Planetary Science Letters</i> , 2012, 317-318, 386-395.	4.4	31
28	Constraints on the magnitude of the deglacial migration of the ITCZ in the Central Equatorial Pacific Ocean. <i>Earth and Planetary Science Letters</i> , 2016, 453, 1-8.	4.4	31
29	The Lamont-Doherty Geological Observatory Isotop Lab 54 isotope ratio mass spectrometer. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1992, 121, 201-240.	1.8	30
30	Millennial-scale iron fertilization of the eastern equatorial Pacific over the past 100,000 years. <i>Nature Geoscience</i> , 2017, 10, 760-764.	12.9	30
31	Iron fertilization of primary productivity by volcanic ash in the Late Cretaceous (Cenomanian) Western Interior Seaway. <i>Geology</i> , 2018, 46, 859-862.	4.4	30
32	An isotopic study of the Ni-Cu-PGE-rich Wellgreen intrusion of the Wrangellia Terrane: Evidence for hydrothermal mobilization of rhenium and osmium. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 1007-1018.	3.9	29
33	A 28-ka history of sea surface temperature, primary productivity and planktonic community variability in the western Arabian Sea. <i>Paleoceanography</i> , 2007, 22, .	3.0	29
34	Temporal variability of uranium concentrations and ²³⁴ U/ ²³⁸ U activity ratios in the Mississippi river and its tributaries. <i>Chemical Geology</i> , 2007, 243, 344-356.	3.3	28
35	Comparison of eastern tropical Pacific TEX86 and <i>Globigerinoides ruber</i> Mg/Ca derived sea surface temperatures: Insights from the Holocene and Last Glacial Maximum. <i>Earth and Planetary Science Letters</i> , 2016, 434, 320-332.	4.4	28
36	Particle sorting during sediment redistribution processes and the effect on ²³⁰ Th-normalized mass accumulation rates. <i>Geophysical Research Letters</i> , 2014, 41, 5547-5554.	4.0	25

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37	Pyrogenic Inputs of Anthropogenic Pb and Hg to Sediments of the Hood Canal, Washington, in the 20th Century: Source Evidence from Stable Pb Isotopes and PAH Signatures. <i>Environmental Science & Technology</i> , 2012, 46, 5772-5781.	10.0	24
38	Composition and depth distribution of hydrocarbons in Barataria Bay marsh sediments after the Deepwater Horizon oil spill. <i>Environmental Pollution</i> , 2016, 214, 101-113.	7.5	24
39	Sediment focusing in the Panama Basin, Eastern Equatorial Pacific Ocean. <i>Earth and Planetary Science Letters</i> , 2011, 309, 33-44.	4.4	22
40	Speciation of strontium in particulates and sediments from the Mississippi River mixing zone. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2649-2657.	3.9	20
41	Strontium isotope variations in the lower Mississippi River and its estuarine mixing zone. <i>Marine Chemistry</i> , 2007, 105, 118-128.	2.3	20
42	Brachiopod geochemical records from across the Carboniferous seas of North America: Evidence for salinity gradients, stratification, and circulation patterns. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 485, 136-153.	2.3	20
43	Biogenic sedimentation in the equatorial Pacific: Carbon cycling and paleoproduction, 12â€“24 Ma. <i>Paleoceanography</i> , 2012, 27, .	3.0	17
44	Water column ²³⁰ Th systematics in the eastern equatorial Pacific Ocean and implications for sediment focusing. <i>Earth and Planetary Science Letters</i> , 2013, 362, 294-304.	4.4	16
45	Sediment size fractionation and focusing in the equatorial Pacific: Effect on ²³⁰ Th normalization and paleoflux measurements. <i>Paleoceanography</i> , 2014, 29, 747-763.	3.0	15
46	Reconstruction of intermediate water circulation in the tropical North Atlantic during the past 22,000 years. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 455-467.	3.9	15
47	Dissolved and particulate ²³⁰ Thâ€“ ²³² Th in the Central Equatorial Pacific Ocean: Evidence for far-field transport of the East Pacific Rise hydrothermal plume. <i>Earth and Planetary Science Letters</i> , 2015, 431, 87-95.	4.4	15
48	Extraterrestrial ³ He in Paleocene sediments from Shatsky Rise: Constraints on sedimentation rate variability. <i>Earth and Planetary Science Letters</i> , 2009, 287, 24-30.	4.4	13
49	Late Holocene sedimentation in a high Arctic coastal setting: Simpson Lagoon and Colville Delta, Alaska. <i>Continental Shelf Research</i> , 2014, 74, 11-24.	1.8	13
50	Origin of Indus ophiolite-hosted ophicarbonates: Isotopic evidence of mixing between seawater and continental crust-derived fluid during Neo-Tethys closure. <i>Chemical Geology</i> , 2020, 551, 119772.	3.3	9
51	Tracking the source of contaminant lead in children's blood. <i>Environmental Research</i> , 2022, 212, 113307.	7.5	9
52	Contrasting watershed-scale trends in runoff and sediment yield complicate rangeland water resources planning. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2295-2307.	4.9	8
53	Reply to: No evidence for equatorial Pacific dust fertilization. <i>Nature Geoscience</i> , 2019, 12, 156-156.	12.9	8
54	Comparison of one- and two-color ionization schemes for the analysis for osmium and rhenium isotopic ratios by sputter-induced resonance ionization mass spectrometry. <i>Analytical Chemistry</i> , 1992, 64, 2623-2627.	6.5	7

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55	Sediment redistribution and grainsize effects on ²³⁰ Th-normalized mass accumulation rates and focusing factors in the Panama Basin. <i>Earth and Planetary Science Letters</i> , 2017, 480, 107-120.	4.4	7
56	Deep Equatorial Pacific Ocean Oxygenation and Atmospheric CO ₂ Over The Last Ice Age. <i>Scientific Reports</i> , 2020, 10, 6606.	3.3	7
57	The Penultimate Glacial Termination and Variability of the Pacific Intertropical Convergence Zone. <i>Geophysical Research Letters</i> , 2019, 46, 4826-4835.	4.0	6
58	An Assessment of ^x sBa Flux as a Paleoproductivity Indicator and Its Water-Depth Dependence in the Easternmost Equatorial Pacific Ocean. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003945.	2.9	4
59	Thorium-derived dust fluxes to the tropical Pacific Ocean, 58Ma. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 87, 194-209.	3.9	3