Claudio Marchesi

List of Publications by Year
in descending order

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48 papers	1,857 citations	236833 25 h-index	254106 43 g-index
49 all docs	49 docs citations	49 times ranked	1655 citing authors

#	Article	IF	Citations
1	The role of serpentinites in cycling of carbon and sulfur: Seafloor serpentinization and subduction metamorphism. Lithos, 2013, 178, 40-54.	0.6	193
2	Recycling of water, carbon, and sulfur during subduction of serpentinites: A stable isotope study of Cerro del Almirez, Spain. Earth and Planetary Science Letters, 2012, 327-328, 50-60.	1.8	153
3	Tschermak's substitution in antigorite and consequences for phase relations and water liberation in high-grade serpentinites. Lithos, 2013, 178, 186-196.	0.6	153
4	Petrogenesis of highly depleted peridotites and gabbroic rocks from the MayarÃ-Baracoa Ophiolitic Belt (eastern Cuba). Contributions To Mineralogy and Petrology, 2006, 151, 717-736.	1.2	103
5	Garnet lherzolite and garnet-spinel mylonite in the Ronda peridotite: Vestiges of Oligocene backarc mantle lithospheric extension in the western Mediterranean. Geology, 2011, 39, 927-930.	2.0	91
6	Migration and accumulation of ultra-depleted subduction-related melts in the Massif du Sud ophiolite (New Caledonia). Chemical Geology, 2009, 266, 171-186.	1.4	90
7	11B-rich fluids in subduction zones: The role of antigorite dehydration in subducting slabs and boron isotope heterogeneity in the mantle. Chemical Geology, 2014, 376, 20-30.	1.4	66
8	Carbonation of mantle peridotite by CO2-rich fluids: the formation of listvenites in the Advocate ophiolite complex (Newfoundland, Canada). Lithos, 2018, 323, 238-261.	0.6	61
9	Platinum-group elements, S, Se and Cu in highly depleted abyssal peridotites from the Mid-Atlantic Ocean Ridge (ODP Hole 1274A): Influence of hydrothermal and magmatic processes. Contributions To Mineralogy and Petrology, 2013, 166, 1521-1538.	1.2	57
10	Element mobility from seafloor serpentinization to high-pressure dehydration of antigorite in subducted serpentinite: Insights from the Cerro del Almirez ultramafic massif (southern Spain). Lithos, 2013, 178, 128-142.	0.6	54
11	In situ Reâ€“Os isotopic analysis of platinum-group minerals from the MayarÃ-Cristal ophiolitic massif (MayarÃ-Baracoa Ophiolitic Belt, eastern Cuba): implications for the origin of Os-isotope heterogeneities in podiform chromitites. Contributions To Mineralogy and Petrology, 2011, 161, 977-990.	1.2	51
12	Backarc basin inversion and subcontinental mantle emplacement in the crust: kilometre-scale folding and shearing at the base of the proto-AlborÃ¡n lithospheric mantle (Betic Cordillera, southern Spain). Journal of the Geological Society, 2013, 170, 47-55.	0.9	51
13	Neoproterozoic granitoids in the basement of the Moroccan Central Meseta: Correlation with the Anti-Atlas at the NW paleo-margin of Gondwana. Precambrian Research, 2017, 299, 34-57.	1.2	49
14	Mantle refertilization by melts of crustal-derived garnet pyroxenite: Evidence from the Ronda peridotite massif, southern Spain. Earth and Planetary Science Letters, 2013, 362, 66-75.	1.8	44
15	A Late Oligocene Suprasubduction Setting in the Westernmost Mediterranean Revealed by Intrusive Pyroxenite Dikes in the Ronda Peridotite (Southern Spain). Journal of Geology, 2012, 120, 237-247.	0.7	43
16	Geochemical record of subduction initiation in the sub-arc mantle: Insights from the Loma Caribe peridotite (Dominican Republic). Lithos, 2016, 252-253, 1-15.	0.6	41
17	Fluid-assisted strain localization in the shallow subcontinental lithospheric mantle. Lithos, 2016, 262, 636-650.	0.6	38
18	Persistence of mantle lithospheric Reâ€“Os signature during asthenospherization of the subcontinental lithospheric mantle: insights from in situ isotopic analysis of sulfides from the Ronda peridotite (Southern Spain). Contributions To Mineralogy and Petrology, 2010, 159, 315-330.	1.2	37

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19	Highâ€P metamorphism of rodingites during serpentinite dehydration (Cerro del Almirez,) Tj ETQq1 1 0.784314 rgBT /Overlock Geology, 2018, 36, 1141-1173.	1.6	32
20	Effects of seawater mixing on the mobility of trace elements in acid phosphogypsum leachates. Marine Pollution Bulletin, 2018, 127, 695-703.	2.3	30
21	Stable isotope insights into the weathering processes of a phosphogypsum disposal area. Water Research, 2018, 140, 344-353.	5.3	30
22	Transfer of Os isotopic signatures from peridotite to chromitite in the subcontinental mantle: Insights from in situ analysis of platinum-group and base-metal minerals (OjÃ©n peridotite massif,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.6	29
23	Strain Localization in Pyroxenite by Reaction-Enhanced Softening in the Shallow Subcontinental Lithospheric Mantle. Journal of Petrology, 2013, 54, 1997-2031.	1.1	29
24	Fractionation of highly siderophile elements in refertilized mantle: Implications for the Os isotope composition of basalts. Earth and Planetary Science Letters, 2014, 400, 33-44.	1.8	29
25	Zircon recycling and crystallization during formation of chromite- and Ni-arsenide ores in the subcontinental lithospheric mantle (SerranÃa de Ronda, Spain). Ore Geology Reviews, 2017, 90, 193-209.	1.1	26
26	Lichens as a spatial record of metal air pollution in the industrialized city of Huelva (SW Spain). Environmental Pollution, 2019, 253, 918-929.	3.7	25
27	Petrogenesis of meta-volcanic rocks from the MaimÃ³n Formation (Dominican Republic): Geochemical record of the nascent Greater Antilles paleo-arc. Lithos, 2017, 278-281, 255-273.	0.6	24
28	Hyperextension of continental to oceanic-like lithosphere: The record of late gabbros in the shallow subcontinental lithospheric mantle of the westernmost Mediterranean. Tectonophysics, 2015, 650, 65-79.	0.9	22
29	Subduction metamorphism of serpentiniteâ€hosted carbonates beyond antigoriteâ€serpentinite dehydration (Nevadoâ€FilÃ¡bride Complex, Spain). Journal of Metamorphic Geology, 2019, 37, 681-715.	1.6	22
30	Genesis of ultra-high pressure garnet pyroxenites in orogenic peridotites and its bearing on the compositional heterogeneity of the Earthâ€™s mantle. Geochimica Et Cosmochimica Acta, 2018, 232, 303-328.	1.6	21
31	Titanian clinohumite and chondrodite in antigorite serpentinites from Central Chile: evidence for deep and cold subduction. European Journal of Mineralogy, 2017, 29, 959-970.	0.4	18
32	Petrology and geochemistry of mafic and ultramafic cumulate rocks from the eastern part of the Sabzevar ophiolite (NE Iran): Implications for their petrogenesis and tectonic setting. Geoscience Frontiers, 2020, 11, 2347-2364.	4.3	17
33	Sr-Nd-Pb isotopic systematics of crustal rocks from the western Betics (S. Spain): Implications for crustal recycling in the lithospheric mantle beneath the westernmost Mediterranean. Lithos, 2017, 276, 45-61.	0.6	16
34	Lithosphere tearing along STEP faults and synkinematic formation of lherzolite and wehrlite in the shallow subcontinental mantle. Solid Earth, 2019, 10, 1099-1121.	1.2	16
35	Refertilization Processes in the Subcontinental Lithospheric Mantle: the Record of the Beni Bousera Orogenic Peridotite (Rif Belt, Northern Morocco). Journal of Petrology, 2016, 57, 2251-2270.	1.1	15
36	Late Cadomian rifting of the NW Gondwana margin and the reworking of Precambrian crust â€“ evidence from bimodal magmatism in the early Paleozoic Moroccan Meseta. International Geology Review, 2021, 63, 2013-2036.	1.1	13

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37	Spatial variability of pyroxenite layers in the Beni Bousera orogenic peridotite (Morocco) and implications for their origin. Comptes Rendus - Geoscience, 2016, 348, 619-629.	0.4	12
38	Flow in the western Mediterranean shallow mantle: Insights from xenoliths in Pliocene alkali basalts from SE Iberia (eastern Betics, Spain). Tectonics, 2016, 35, 2657-2676.	1.3	10
39	Multi-stage evolution of the lithospheric mantle beneath the westernmost Mediterranean: Geochemical constraints from peridotite xenoliths in the eastern Betic Cordillera (SE Spain). Lithos, 2017, 276, 75-89.	0.6	10
40	Unraveling the impact of chronic exposure to metal pollution through human gallstones. Science of the Total Environment, 2018, 624, 1031-1040.	3.9	10
41	Metallogenic fingerprint of a metasomatized lithospheric mantle feeding gold endowment in the western Mediterranean basin. Bulletin of the Geological Society of America, 2022, 134, 1468-1484.	1.6	7
42	Effects of redox oscillations on the phosphogypsum waste in an estuarine salt-marsh system. Chemosphere, 2020, 242, 125174.	4.2	6
43	New insights into the metal partitioning in different microphases of human gallstones. Journal of Trace Elements in Medicine and Biology, 2017, 44, 339-348.	1.5	5
44	Trace element fingerprints of Niâ€“Feâ€“Sâ€“As minerals in subduction channel serpentinites. Lithos, 2021, 400-401, 106432.	0.6	3
45	Suspected meteorite fragments in marine sediments from East Antarctica. Antarctic Science, 2018, 30, 307-321.	0.5	1
46	Geochemical evolution of rodingites during subduction: insights from Cerro del Almirez (southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	1
47	Comments on the paper â€œTi-poor high-Al chromitites of the Moa-Baracoa ophiolitic massif (eastern) Tj ETQq1 1 0.784314 rgBT /Over 2022, 148, 105019.	1.1	1
48	Native copper formation associated with serpentinization in the Cheshmeh-Bid ophiolite massif (Southern Iran). Lithos, 2021, 382-383, 105953.	0.6	0