

João Mata

List of Publications by Year in descending order

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57
papers

1,298
citations

279701

23
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360920

35
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58
all docs

58
docs citations

58
times ranked

1354
citing authors

#	ARTICLE	IF	CITATIONS
1	Rift-related magmatism of the Central Atlantic magmatic province in Algarve, Southern Portugal. <i>Lithos</i> , 2008, 101, 102-124.	0.6	84
2	Age constraints on the Late Cretaceous alkaline magmatism on the West Iberian Margin. <i>Cretaceous Research</i> , 2009, 30, 575-586.	0.6	76
3	The 2014-15 eruption and the short-term geochemical evolution of the Fogo volcano (Cape Verde): Evidence for small-scale mantle heterogeneity. <i>Lithos</i> , 2017, 288-289, 91-107.	0.6	68
4	Volcano-stratigraphic and structural evolution of Brava Island (Cape Verde) based on $^{40}\text{Ar}/^{39}\text{Ar}$, U-Th and field constraints. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 196, 219-235.	0.8	67
5	Enriched mantle source for the Central Atlantic magmatic province: New supporting evidence from southwestern Europe. <i>Lithos</i> , 2014, 188, 15-32.	0.6	61
6	Primitive neon isotopes in Terceira Island (Azores archipelago). <i>Earth and Planetary Science Letters</i> , 2005, 233, 429-440.	1.8	57
7	Mantle source heterogeneity, magma generation and magmatic evolution at Terceira Island (Azores) <i>Tj ETQq1 1 0.784314 rgBT / Overbo</i> 402-418.	0.6	55
8	Calcium isotopic evidence for the mantle sources of carbonatites. <i>Science Advances</i> , 2020, 6, eaba3269.	4.7	48
9	Evidence for an early-MORB to fore-arc evolution within the Zagros suture zone: Constraints from zircon U-Pb geochronology and geochemistry of the Neyriz ophiolite (South Iran). <i>Gondwana Research</i> , 2018, 62, 287-305.	3.0	45
10	Quaternary extrusive calciocarbonatite volcanism on Brava Island (Cape Verde): A nephelinite-carbonatite immiscibility product. <i>Journal of African Earth Sciences</i> , 2010, 56, 59-74.	0.9	42
11	Geochemical evidence for melting of carbonated peridotite on Santa Maria Island, Azores. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 823-841.	1.2	42
12	Noble gas and carbon isotopic signatures of Cape Verde oceanic carbonatites: Implications for carbon provenance. <i>Earth and Planetary Science Letters</i> , 2010, 291, 70-83.	1.8	41
13	The Jurassic-Cretaceous basaltic magmatism of the Oued El-Abid syncline (High Atlas, Morocco): Physical volcanology, geochemistry and geodynamic implications. <i>Journal of African Earth Sciences</i> , 2013, 81, 60-81.	0.9	40
14	Chemical and mineralogical evidence of the occurrence of mantle metasomatism by carbonate-rich melts in an oceanic environment (Santiago Island, Cape Verde). <i>Mineralogy and Petrology</i> , 2010, 99, 43-65.	0.4	36
15	Geochemical temporal evolution of Brava Island magmatism: Constraints on the variability of Cape Verde mantle sources and on carbonatite-silicate magma link. <i>Chemical Geology</i> , 2012, 334, 44-61.	1.4	34
16	Investigating collapse structures in oceanic islands using magnetotelluric surveys: The case of Fogo Island in Cape Verde. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 152-162.	0.8	34
17	A geological record of multiple Pleistocene tsunami inundations in an oceanic island: The case of Maio, Cape Verde. <i>Sedimentology</i> , 2020, 67, 1529-1552.	1.6	32
18	Elemental and isotopic (Sr, Nd, and Pb) characteristics of Madeira Island basalts: evidence for a composite HIMU - EM I plume fertilizing lithosphere. <i>Canadian Journal of Earth Sciences</i> , 1998, 35, 980-997.	0.6	31

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19	40Ar/39Ar ages and petrogenesis of the West Iberian Margin onshore magmatism at the Jurassic–Cretaceous transition: Geodynamic implications and assessment of open-system processes involving saline materials. <i>Lithos</i> , 2015, 236-237, 156-172.	0.6	31
20	Alternating crustal architecture in West Iberia: a review of its significance in the context of NE Atlantic rifting. <i>Journal of the Geological Society</i> , 2017, 174, 522-540.	0.9	28
21	Exhumation of a migmatite complex along a transpressive shear zone: inferences from the Variscan Juzbado–Penalva do Castelo Shear Zone (Central Iberian Zone). <i>Journal of the Geological Society</i> , 2017, 174, 1004-1018.	0.9	26
22	Morphology, internal architecture and emplacement mechanisms of lava flows from the Central Atlantic Magmatic Province (CAMP) of Argana Basin (Morocco). <i>Geological Society Special Publication</i> , 2011, 357, 167-193.	0.8	25
23	Capture of the Canary mantle plume material by the Gibraltar arc mantle wedge during slab rollback. <i>Geophysical Journal International</i> , 2015, 201, 1717-1721.	1.0	24
24	Revised stratigraphic framework for the lower Anti-Atlas Supergroup based on U–Pb geochronology of magmatic and detrital zircons (Zenaga and Bou Azzer-El Graara inliers, Anti-Atlas Belt, Morocco). <i>Journal of African Earth Sciences</i> , 2020, 171, 103946.	0.9	23
25	Primary and secondary processes constraining the noble gas isotopic signatures of carbonatites and silicate rocks from Brava Island: evidence for a lower mantle origin of the Cape Verde plume. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 995-1009.	1.2	18
26	Tectonically assisted exhumation and cooling of Variscan granites in an anatexic complex of the Central Iberian Zone, Portugal: constraints from LA-ICP-MS zircon and apatite U–Pb ages. <i>International Journal of Earth Sciences</i> , 2019, 108, 2153-2175.	0.9	18
27	Constraints on the structure of Maio Island (Cape Verde) by a three-dimensional gravity model: imaging partially exhumed magma chambers. <i>Geophysical Journal International</i> , 2012, 190, 931-940.	1.0	16
28	Helium isotope systematics in the vicinity of the Azores triple junction: Constraints on the Azores geodynamics. <i>Chemical Geology</i> , 2014, 372, 62-71.	1.4	14
29	The Role of the Seismically Slow Central–East Atlantic Anomaly in the Genesis of the Canary and Madeira Volcanic Provinces. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092874.	1.5	14
30	The Alpine Orogeny in the West and Southwest Iberia Margins. <i>Regional Geology Reviews</i> , 2019, , 487-505.	1.2	13
31	High-precision geochronology of Mesozoic magmatism in Macao, Southeast China: Evidence for multistage granite emplacement. <i>Geoscience Frontiers</i> , 2020, 11, 243-263.	4.3	13
32	Madeira Island alkaline lava spinels: petrogenetic implications. <i>Mineralogy and Petrology</i> , 2004, 81, 85-111.	0.4	11
33	Evidence for high temperature in the upper mantle beneath Cape Verde archipelago from Rayleigh-wave phase-velocity measurements. <i>Tectonophysics</i> , 2019, 770, 228225.	0.9	11
34	Restitic or not? Insights from trace element content and crystal structure of spinels in African mantle xenoliths. <i>Lithos</i> , 2017, 278-281, 464-476.	0.6	10
35	Evidence for mixed contribution of mantle and lower and upper crust to the genesis of Jurassic I-type granites from Macao, SE China. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 37-56.	1.6	10
36	Petrology of ultramafic xenoliths from Madeira island. <i>Geological Magazine</i> , 1990, 127, 543-566.	0.9	9

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37	Environmental implication of subaqueous lava flows from a continental Large Igneous Province: Examples from the Moroccan Central Atlantic Magmatic Province (CAMP). <i>Journal of African Earth Sciences</i> , 2017, 127, 211-221.	0.9	9
38	Interplay of tectonics and magmatism during post-rift inversion on the central West Iberian Margin (Estremadura Spur). <i>Basin Research</i> , 2021, 33, 1497-1519.	1.3	8
39	Interaction between felsic and mafic magmas in the Salmas intrusive complex, Northwestern Iran: Constraints from petrography and geochemistry. <i>Journal of Asian Earth Sciences</i> , 2015, 111, 440-458.	1.0	7
40	The role of melting on the geochemical evolution and isotopic variability of an anatectic complex in the Iberian Variscides. <i>Lithos</i> , 2020, 378-379, 105769.	0.6	7
41	The genetic link between the Azores Archipelago and the Southern Azores Seamount Chain (SASC): The elemental, isotopic and chronological evidences. <i>Lithos</i> , 2017, 294-295, 133-146.	0.6	6
42	Martin Vaz island geochronology: Constraint on the Trindade Mantle Plume track from the youngest and easternmost volcanic episodes. <i>Journal of South American Earth Sciences</i> , 2021, 106, 103090.	0.6	6
43	Magmatic Evolution of Garnet-Bearing Highly Fractionated Granitic Rocks from Macao, Southeast China: Implications for Granite-Related Mineralization Processes. <i>Journal of Earth Science (Wuhan)</i> , 2021, 42, 1078-1114.	0.784314	6
44	Lower Paleozoic rifting event in Central Iberian Zone (central-north Portugal): Evidence from elemental and isotopic geochemistry of metabasic rocks. <i>Chemie Der Erde</i> , 2021, 81, 125768.	0.8	5
45	Extrusive carbonatite outcrops – A source of chemical elements imbalance in topsoils of oceanic volcanic islands. <i>Catena</i> , 2017, 157, 333-343.	2.2	5
46	Evidences for multiple remagnetization of Proterozoic dykes from Iguerda inlier (Anti-Atlas Belt, Morocco). <i>Journal of African Earth Sciences</i> , 2010, 50, 300-308.	0.3	4
47	Noble Gas Constraints on the Origin of the Azores Hotspot. <i>Active Volcanoes of the World</i> , 2018, 281-299.	1.0	4
48	Rifting of the Southwest and West Iberia Continental Margins. <i>Regional Geology Reviews</i> , 2019, 251-283.	1.2	4
49	Geochemistry and Geochronology of the Neoproterozoic Backarc Basin Khzama Ophiolite (Anti-Atlas, Morocco). <i>Journal of African Earth Sciences</i> , 2014, 94, 107-118.	0.8	4
50	U-Pb Zircon Geochronological and Petrologic Constraints on the Post-Collisional Variscan Volcanism of the Tiddas-Souk Es-Sebt des Akko Basin (Western Meseta, Morocco). <i>Minerals (Basel)</i> , 2020, 10, 1008.	0.8	4
51	New evidence of Late Cretaceous magmatism on the offshore central West Iberian Margin (Estremadura Spur) from potential field data. <i>Tectonophysics</i> , 2022, 229354.	0.9	3
52	2D and 3D resistivity tomography of the Suão garnet-bearing dyke, Lisbon Volcanic Complex, Portugal: a case study. <i>Journal of Geophysics and Engineering</i> , 2013, 10, 035013.	0.7	2
53	Reply to Comment on “The Jurassic-Cretaceous basaltic magmatism of the Oued El-Abid syncline (High Atlas, Morocco)”. <i>Journal of African Earth Sciences</i> , 2013, 88, 101-105.	0.9	2
54	Nature, timing and magnitude of buried Late Cretaceous magmatism on the central West Iberian Margin. <i>Basin Research</i> , 2022, 34, 771-796.	1.3	2

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55	A comparison between the sub-continental lithospheric mantle of Libya, Morocco and Cameroon: Evidences from structural data and trace element of mantle xenolith Cr-diopsides. <i>Journal of African Earth Sciences</i> , 2019, 158, 103521.	0.9	1
56	Physical volcanology and emplacement mechanism of the Central Atlantic Magmatic Province (CAMP) lava flows from the Central High Atlas, Morocco. <i>Comptes Rendus - Geoscience</i> , 2020, 352, 455-473.	0.4	1
57	Geology of the Macao Special Administrative Region (China). <i>Journal of Maps</i> , 2021, 17, 257-267.	1.0	0