

# JosÃ© F Molina

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,937  
citations

257450

24  
h-index

254184

43  
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51  
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51  
docs citations

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times ranked

1708  
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#	ARTICLE	IF	CITATIONS
1	The roles of partial melting of metasomatised mantle, magma mixing at continental crust level and fractionation in calc-alkaline minette genesis, SE Spain. <i>International Geology Review</i> , 2024, 66, 463-503.	2.1	0
2	Experimental Annealing of Zircon: Influence of Inclusions on Stability, Intracrystalline Melt Migration, Common Lead Leaching, and Permeability to Fluids. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 288-307.	2.7	3
3	Emplacement conditions and exhumation of the Varvarco Tonalite and associated plutons from the Cordillera del Viento, Southern Central Andes. <i>Geological Magazine</i> , 2022, 159, 645-672.	1.5	0
4	Zircon crystallization in low-Zr mafic magmas: Possible or impossible?. <i>Chemical Geology</i> , 2022, 602, 120898.	3.3	14
5	Zircon stability grids in crustal partial melts: implications for zircon inheritance. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	23
6	A Cautionary Note on Amphibole Geobarometry. <i>Environmental Sciences Proceedings</i> , 2021, 6, .	0.3	0
7	Compositional Evolution of the Variscan Intra-Orogenic Extensional Magmatism in the Valencia del Ventoso Plutonic Complex, Ossa-Morena Zone (SW Iberia): A View from Amphibole Compositional Relationships. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 431.	2.0	5
8	Secular variations of magma source compositions in the North Patagonian batholith from the Jurassic to Tertiary: Was mantle melting involved?. , 2021, 17, 766-785.		16
9	A reassessment of the amphibole-plagioclase NaSi-CaAl exchange thermometer with applications to igneous and high-grade metamorphic rocks. <i>American Mineralogist</i> , 2021, 106, 782-800.	1.9	14
10	Editorial for Special Issue "Distribution of Major- and Trace-Elements in Igneous Minerals". <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 942.	2.0	0
11	Contrasting high-Mg, high-K rocks in Central Iberia: the appinite-vaugnerite conundrum and their (non-existent) relation with arc magmatism. <i>Journal of Iberian Geology</i> , 2021, 47, 235-261.	1.3	12
12	Zircon xenocryst evidence for crustal recycling at the Mid-Atlantic Ridge. <i>Lithos</i> , 2020, 354-355, 105361.	1.4	18
13	Petrogenesis of the F-rich peraluminous A-type granites: An example from the Devonian Achala batholith (Characato Suite), Sierras Pampeanas, Argentina. <i>Lithos</i> , 2020, 378-379, 105792.	1.4	7
14	The Archean to Late-Paleozoic architecture of the Oulad Dlim Massif, the main Gondwanan indenter during the collision with Laurentia. <i>Earth-Science Reviews</i> , 2020, 208, 103273.	9.1	19
15	Quartzite crests in Paleoproterozoic granites (Anti-Atlas, Morocco); a hint to Pan-African deformation of the West African Craton margin. <i>Journal of African Earth Sciences</i> , 2019, 157, 103501.	2.0	6
16	Constraints of mantle and crustal sources and interaction during orogenesis: A zircon SHRIMP U-Th-Pb and O isotope study of the calc-alkaline Brovales pluton, Ossa-Morena Zone, Iberian Variscan Belt. <i>Lithos</i> , 2019, 324-325, 661-683.	1.4	12
17	Petrology, phase equilibria modelling, noble gas chronology and thermal constraints of the El Pozo L5 meteorite. <i>Chemie Der Erde</i> , 2018, 78, 248-253.	2.0	2
18	Lu-Hf ratios of crustal rocks and their bearing on zircon Hf isotope model ages: The effects of accessories. <i>Chemical Geology</i> , 2018, 484, 179-190.	3.3	34

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19	Experimental evidence for the preservation of U-Pb isotope ratios in mantle-recycled crustal zircon grains. <i>Scientific Reports</i> , 2018, 8, 12904.	3.3	18
20	Petrogenesis of Derraman Peralkaline granite (Oulad Dlim Massif, West African Craton Margin,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70</i> <i>Geoscience</i> , 2018, 350, 236-244.	1.2	10
21	High-P amphibolite-facies metamorphism in the Adrarâ€™Souttoug Metamafic Complex, Oulad Dlim Massif (West African Craton margin, Morocco). <i>Comptes Rendus - Geoscience</i> , 2018, 350, 245-254.	1.2	9
22	Th-REE- and Nb-Ta-accessory minerals in post-collisional Ediacaran felsic rocks from the Katerina Ring Complex (S. Sinai, Egypt): An assessment for the fractionation of Y/Nb, Th/Nb, La/Nb and Ce/Pb in highly evolved A-type granites. <i>Lithos</i> , 2016, 258-259, 173-196.	1.4	46
23	Contrasting SHRIMP Uâ€™Pb zircon ages of two carbonatite complexes from the peri-cratonic terranes of the Reguibat Shield: Implications for the lateral extension of the West African Craton. <i>Gondwana Research</i> , 2016, 38, 238-250.	6.0	33
24	Miocene andesitic lavas of Sierra de Anganguero: a petrological, geochemical, and geochronological approach to arc magmatism in Central Mexico. <i>International Geology Review</i> , 2016, 58, 603-625.	2.1	5
25	First evidence for Cambrian rift-related magmatism in the West African Craton margin: The Derraman Peralkaline Felsic Complex. <i>Gondwana Research</i> , 2016, 36, 423-438.	6.0	29
26	Calcic amphibole thermobarometry in metamorphic and igneous rocks: New calibrations based on plagioclase/amphibole Al-Si partitioning and amphibole/liquid Mg partitioning. <i>Lithos</i> , 2015, 232, 286-305.	1.4	150
27	SHRIMP Uâ€™Pb zircon dating of the Valencia del Ventoso plutonic complex, Ossa-Morena Zone, SW Iberia: Early Carboniferous intra-orogenic extension-related â€™calc-alkalineâ€™™ magmatism. <i>Gondwana Research</i> , 2015, 28, 735-756.	6.0	34
28	Unraveling sources of A-type magmas in juvenile continental crust: Constraints from compositionally diverse Ediacaran post-collisional granitoids in the Katerina Ring Complex, southern Sinai, Egypt. <i>Lithos</i> , 2014, 192-195, 56-85.	1.4	88
29	Kalsilite-bearing plutonic rocks: The deep-seated Archean Awsard massif of the Reguibat Rise, South Morocco, West African Craton. <i>Earth-Science Reviews</i> , 2014, 138, 1-24.	9.1	25
30	Anomalous xenocryst dispersion during tonaliteâ€™granodiorite crystal mush hybridization in the mid crust: Mineralogical and geochemical evidence from Variscan appinites (Avila Batholith, Central) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 20</i>	1.4	10
31	On the Seventh Hutton Symposium on the origin of granites and related rocks. <i>Lithos</i> , 2012, 153, 1-2.	1.4	0
32	SHRIMP Uâ€™Pb zircon dating of the Katerina Ring Complex: Insights into the temporal sequence of Ediacaran calc-alkaline to peralkaline magmatism in southern Sinai, Egypt. <i>Gondwana Research</i> , 2012, 21, 887-900.	6.0	44
33	Lamprophyre dikes as tectonic markers of late orogenic transtension timing and kinematics: A case study from the Central Iberian Zone. <i>Tectonics</i> , 2011, 30, .	2.8	39
34	The Bir Safsaf Precambrian inlier of South West Egypt revisited. A model for ~1.5Ga TDM late Pan-African granite generation by crustal reworking. <i>Lithos</i> , 2011, 125, 897-914.	1.4	23
35	The palaeogeographic position of Central Iberia in Gondwana during the Ordovician: evidence from zircon chronology and Nd isotopes. <i>Terra Nova</i> , 2010, 22, 341-346.	2.1	83
36	Reply to discussion on the Eocene bimodal Piranshahr massif of the Sanadajâ€™Sirjan Zone, West Iran: a marker of the end of collision in the Zagros orogen. <i>Journal of the Geological Society</i> , 2009, 166, 983-984.	2.1	1

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37	The Eocene bimodal Piranshahr massif of the Sanandaj-Sirjan Zone, NW Iran: a marker of the end of the collision in the Zagros orogen. <i>Journal of the Geological Society</i> , 2009, 166, 53-69.	2.1	125
38	Within-plate calc-alkaline rocks: Insights from alkaline mafic magma-peraluminous crustal melt hybrid appinites of the Central Iberian Variscan continental collision. <i>Lithos</i> , 2009, 110, 50-64.	1.4	57
39	High-Ti amphibole as a petrogenetic indicator of magma chemistry: evidence for mildly alkalic-hybrid melts during evolution of Variscan basic-ultrabasic magmatism of Central Iberia. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 69-98.	3.1	103
40	Shoshonites, vaugnerites and potassic lamprophyres: similarities and differences between ultra-high-K rocks. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2008, 99, 159-175.	0.3	25
41	Zircon thermometry and U-Pb ion-microprobe dating of the gabbros and associated migmatites of the Variscan Toledo Anatectic Complex, Central Iberia. <i>Journal of the Geological Society</i> , 2006, 163, 847-855.	2.1	67
42	Deformation-driven differentiation of granitic magma: the Stepninsk pluton of the Uralides, Russia. <i>Lithos</i> , 2005, 81, 209-233.	1.4	72
43	Eclogite-facies vein systems in the Marun-Keu complex (Polar Urals, Russia): textural, chemical and thermal constraints for patterns of fluid flow in the lower crust. <i>Contributions To Mineralogy and Petrology</i> , 2004, 147, 484-504.	3.1	24
44	55 million years of continuous anatexis in Central Iberia: single-zircon dating of the Peña Negra Complex. <i>Journal of the Geological Society</i> , 2004, 161, 255-263.	2.1	51
45	Rb/Sr record of fluid-rock interaction in eclogites: The Marun-Keu complex, Polar Urals, Russia. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4353-4371.	3.9	94
46	Precise eclogitization ages deduced from Rb/Sr mineral systematics: The Maksyutov complex, Southern Urals, Russia. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 1221-1235.	3.9	90
47	The eclogites of the Marun-Keu complex, Polar Urals (Russia): fluid control on reaction kinetics and metasomatism during high P metamorphism. <i>Lithos</i> , 2002, 61, 55-78.	1.4	31
48	Carbonate stability and fluid composition in subducted oceanic crust: an experimental study on H <sub>2</sub> O-CO <sub>2</sub> -bearing basalts. <i>Earth and Planetary Science Letters</i> , 2000, 176, 295-310.	4.4	194
49	Mafic Precursors, Peraluminous Granitoids, and Late Lamprophyres in the Avila Batholith: A Model for the Generation of Variscan Batholiths in Iberia. <i>Journal of Geology</i> , 1999, 107, 399-419.	1.4	151
50	Singular Equilibria in Paragonite Blueschists, Amphibolites and Eclogites. <i>Journal of Petrology</i> , 1998, 39, 1325-1346.	2.8	2