

Mauricio Ibañez Mejía

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,665
citations

279798

23
h-index

315739

38
g-index

41
all docs

41
docs citations

41
times ranked

1611
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion anisotropy of Ti in zircon and implications for Ti-in-zircon thermometry. <i>Earth and Planetary Science Letters</i> , 2022, 578, 117317.	4.4	15
2	Tectonic domains in the NW Amazonian Craton from geophysical and geological data. <i>Precambrian Research</i> , 2022, 377, 106735.	2.7	1
3	Drivers of zirconium isotope fractionation in Zr-bearing phases and melts: The roles of vibrational, nuclear field shift and diffusive effects. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 217-234.	3.9	38
4	San Jos� de Guaviare Syenite, Colombia: Repeated Ediacaran intrusions in the northwestern Amazonian Craton. <i>Bolet�n Geol�gico</i> , 2021, 48, 49-79.	0.2	2
5	Absence of a long-lived lunar paleomagnetosphere. <i>Science Advances</i> , 2021, 7, .	10.3	18
6	Reliability of detrital marine sediments as proxy for continental crust composition: The effects of hydrodynamic sorting on Ti and Zr isotope systematics. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 310, 221-239.	3.9	26
7	Unlocking the Single-Crystal Record of Heavy Stable Isotopes. <i>Elements</i> , 2021, 17, 389-394.	0.5	10
8	Petrology and geochronology of a suite of pelitic granulites from parts of the Chotanagpur Granite Gneiss Complex , eastern India : Evidence for Stenian�Tonian reworking of a late Paleoproterozoic crust. <i>Geological Journal</i> , 2020, 55, 2851-2880.	1.3	16
9	Widespread silicic and alkaline magmatism synchronous with the Deccan Traps flood basalts, India. <i>Earth and Planetary Science Letters</i> , 2020, 552, 116616.	4.4	21
10	Neogene precipitation, vegetation, and elevation history of the Central Andean Plateau. <i>Science Advances</i> , 2020, 6, eaaz4724.	10.3	24
11	Multispecies Diffusion of Yttrium, Rare Earth Elements and Hafnium in Garnet. <i>Journal of Petrology</i> , 2020, 61, .	2.8	26
12	Zirconium stable isotope analysis of zircon by MC-ICP-MS: methods and application to evaluating intra-crystalline zonation in a zircon megacryst. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1167-1186.	3.0	29
13	The Guaviare Complex: new evidence of Mesoproterozoic (ca. 1.3 Ga) crust in the Colombian Amazonian Craton. <i>Bolet�n Geol�gico</i> , 2020, , 5-34.	0.2	5
14	²³⁸ U/ ²³⁵ U measurement in single-zircon crystals: implications for the Hadean environment, magmatic differentiation and geochronology. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 2035-2052.	3.0	19
15	Bulk rock and zircon geochemistry of granitoids from the Chotanagpur Granite Gneissic Complex�(CGGC): implications for the late Paleoproterozoic continental arc magmatism in the East Indian Shield. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	18
16	Extreme Zr stable isotope fractionation during magmatic fractional crystallization. <i>Science Advances</i> , 2019, 5, eaax8648.	10.3	46
17	Structural analysis combined with new geothermobarometric and geochronological results of the Al�m Para�ba shear zone, between Tr�s Rios and Bananal, Ribeira Orogen, SE Brazil. <i>Journal of South American Earth Sciences</i> , 2019, 90, 118-136.	1.4	18
18	<sc>GHR</sc>1 Zircon �� A New Eocene Natural Reference Material for Microbeam U�Pb Geochronology and Hf Isotopic Analysis of Zircon. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 113-132.	3.1	18

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19	Geochemistry, U-Pb geochronology and Lu-Hf isotope systematics of a suite of ferroan (A-type) granitoids from the CGGC: Evidence for Mesoproterozoic crustal extension in the east Indian shield. <i>Precambrian Research</i> , 2018, 305, 40-63.	2.7	41
20	Optimization of a Laser Ablation-Single Collector-Inductively Coupled Plasma-Mass Spectrometer (Thermo Element 2) for Accurate, Precise, and Efficient Zircon U-Th-Pb Geochronology. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3689-3705.	2.5	57
21	Timescales of collisional metamorphism from Sm-Nd, Lu-Hf and U-Pb thermochronology: A case from the Proterozoic Putumayo Orogen of Amazonia. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 103-126.	3.9	21
22	Petrology and U-Pb geochronology of zircon in a suite of charnockitic gneisses from parts of the Chotanagpur Granite Gneiss Complex (CGGC): evidence for the reworking of a Mesoproterozoic basement during the formation of the Rodinia supercontinent. <i>Geological Society Special Publication</i> , 2017, 457, 197-231.	1.3	37
23	Timing of initial seafloor spreading in the Newfoundland-Iberia rift. <i>Geology</i> , 2017, 45, 527-530.	4.4	35
24	New age constraints for early Paleogene strata of central Patagonia, Argentina: Implications for the timing of South American Land Mammal Ages. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 886-903.	3.3	51
25	Structure and age of the Lower Magdalena Valley basin basement, northern Colombia: New reflection-seismic and U-Pb-Hf insights into the termination of the central andes against the Caribbean basin. <i>Journal of South American Earth Sciences</i> , 2017, 74, 1-26.	1.4	39
26	Linking Late Cretaceous to Eocene Tectonostratigraphy of the San Jacinto Fold Belt of NW Colombia With Caribbean Plateau Collision and Flat Subduction. <i>Tectonics</i> , 2017, 36, 2599-2629.	2.8	44
27	Recent crustal foundering in the Northern Volcanic Zone of the Andean arc: Petrological insights from the roots of a modern subduction zone. <i>Earth and Planetary Science Letters</i> , 2017, 476, 47-58.	4.4	30
28	Revised chronostratigraphy and biostratigraphy of the early-middle Miocene Railroad Canyon section of central-eastern Idaho, USA. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 1241-1251.	3.3	7
29	Deciphering Sedimentary Provenance and Timing of Sedimentation From a Suite of Metapelites From the Chotanagpur Granite Gneissic Complex, India. , 2017, , 453-486.		14
30	Magmatic history and crustal genesis of western South America: Constraints from U-Pb ages and Hf isotopes of detrital zircons in modern rivers. , 2016, 12, 1532-1555.		87
31	Unraveling crustal growth and reworking processes in complex zircons from orogenic lower-crust: The Proterozoic Putumayo Orogen of Amazonia. <i>Precambrian Research</i> , 2015, 267, 285-310.	2.7	66
32	New age constraints for the Salamanca Formation and lower Rio Chico Group in the western San Jorge Basin, Patagonia, Argentina: Implications for Cretaceous-Paleogene extinction recovery and land mammal age correlations. <i>Bulletin of the Geological Society of America</i> , 2014, 126, 289-306.	3.3	103
33	Small-volume baddeleyite (ZrO ₂) U-Pb geochronology and Lu-Hf isotope geochemistry by LA-ICP-MS. Techniques and applications. <i>Chemical Geology</i> , 2014, 384, 149-167.	3.3	40
34	What happens when n= 1000? Creating large-n geochronological datasets with LA-ICP-MS for geologic investigations. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 971-980.	3.0	168
35	Inversion tectonics under increasing rates of shortening and sedimentation: Cenozoic example from the Eastern Cordillera of Colombia. <i>Geological Society Special Publication</i> , 2013, 377, 411-442.	1.3	67
36	Reply to Comment on "U-Pb baddeleyite ages and geochemistry of dolerite dykes in the Bas-Drac inlier of the Anti-Atlas of Morocco: Newly identified 1380Ma event in the West African Craton" by André Michard and Dominique Gasquet. <i>Lithos</i> , 2013, 174, 101-108.	1.4	60

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37	Relationship of Mesozoic graben development, stress, shortening magnitude, and structural style in the Eastern Cordillera of the Colombian Andes. Geological Society Special Publication, 2013, 377, 257-283.	1.3	44
38	Early Paleogene magmatism in the northern Andes: Insights on the effects of Oceanic Plateau-continent convergence. Earth and Planetary Science Letters, 2012, 331-332, 97-111.	4.4	67
39	The Putumayo Orogen of Amazonia and its implications for Rodinia reconstructions: New U-Pb geochronological insights into the Proterozoic tectonic evolution of northwestern South America. Precambrian Research, 2011, 191, 58-77.	2.7	134
40	Grenvillian remnants in the Northern Andes: Rodinian and Phanerozoic paleogeographic perspectives. Journal of South American Earth Sciences, 2010, 29, 92-104.	1.4	78
41	Use and abuse of detrital zircon U-Pb geochronology: A case from the Orinoco delta, eastern Venezuela. Geology, 0, , .	4.4	25