

Miguel Angel Parada

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,720
citations

279798

23
h-index

276875

41
g-index

48
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docs citations

48
times ranked

1771
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Pyrite as a record of hydrothermal fluid evolution in a porphyry copper system: A SIMS/EMPA trace element study. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 104, 42-62. | 3.9 | 335 |
| 2 | Adakite-like signature of Late Miocene intrusions at the Los Pelambres giant porphyry copper deposit in the Andes of central Chile: metallogenic implications. <i>Mineralium Deposita</i> , 2003, 38, 876-885. | 4.1 | 136 |
| 3 | Multiple sources for the Coastal Batholith of central Chile (31°-34°S): geochemical and Sr-Nd isotopic evidence and tectonic implications. <i>Lithos</i> , 1999, 46, 505-521. | 1.4 | 120 |
| 4 | Emplacement, petrological and magnetic susceptibility characteristics of diverse magmatic epidote-bearing granitoid rocks in Brazil, Argentina and Chile. <i>Lithos</i> , 1999, 46, 367-392. | 1.4 | 71 |
| 5 | Supergene enrichment of copper deposits since the onset of modern hyperaridity in the Atacama Desert, Chile. <i>Mineralium Deposita</i> , 2009, 44, 497-504. | 4.1 | 67 |
| 6 | Calbuco Volcano and minor eruptive centers distributed along the Liquiñe-Ofqui Fault Zone, Chile (41°-42° S): contrasting origin of andesitic and basaltic magma in the Southern Volcanic Zone of the Andes. <i>Contributions To Mineralogy and Petrology</i> , 1995, 119, 345-361. | 3.1 | 66 |
| 7 | Assessment of high enthalpy geothermal resources and promising areas of Chile. <i>Geothermics</i> , 2016, 59, 1-13. | 3.4 | 57 |
| 8 | Atacamite formation by deep saline waters in copper deposits from the Atacama Desert, Chile: evidence from fluid inclusions, groundwater geochemistry, TEM, and ³⁶ Cl data. <i>Mineralium Deposita</i> , 2008, 43, 663-675. | 4.1 | 52 |
| 9 | Upper Cambrian carbonate sequences of the Argentine Precordillera and the Steptoean C-isotope positive excursion (SPICE). <i>Gondwana Research</i> , 2008, 13, 437-452. | 6.0 | 51 |
| 10 | Crustal xenoliths from Calbuco Volcano, Andean Southern Volcanic Zone: implications for crustal composition and magma-crust interaction. <i>Contributions To Mineralogy and Petrology</i> , 1995, 119, 331-344. | 3.1 | 50 |
| 11 | Numerical Modeling of Time-dependent Fluid Dynamics and Differentiation of a Shallow Basaltic Magma Chamber. <i>Journal of Petrology</i> , 2010, 51, 731-762. | 2.8 | 46 |
| 12 | The Mantos Blancos copper deposit: an upper Jurassic breccia-style hydrothermal system in the Coastal Range of Northern Chile. <i>Mineralium Deposita</i> , 2006, 41, 246-258. | 4.1 | 42 |
| 13 | High-resolution stable isotope stratigraphy of the upper Cambrian and Ordovician in the Argentine Precordillera: Carbon isotope excursions and correlations. <i>Gondwana Research</i> , 2013, 24, 330-348. | 6.0 | 42 |
| 14 | A general view on the Chilean-Argentine Andes, with emphasis on their early history. <i>Geodynamic Series</i> , 1987, , 97-113. | 0.1 | 39 |
| 15 | Formation of cristobalite nanofibers during explosive volcanic eruptions. <i>Geology</i> , 2009, 37, 435-438. | 4.4 | 39 |
| 16 | Contrasting records from mantle to surface of Holocene lavas of two nearby arc volcanic complexes: Caburgua-Huelemolle Small Eruptive Centers and Villarrica Volcano, Southern Chile. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 306, 1-16. | 2.1 | 39 |
| 17 | Ages and cooling history of the Early Cretaceous Caleu pluton: testimony of a switch from a rifted to a compressional continental margin in central Chile. <i>Journal of the Geological Society</i> , 2005, 162, 273-287. | 2.1 | 34 |
| 18 | Mantle driven cretaceous flare-ups in Cordilleran arcs. <i>Lithos</i> , 2019, 326-327, 19-27. | 1.4 | 34 |

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|----|---|-----|-----------|
| 19 | Estimating low-enthalpy geothermal energy potential for district heating in Santiago basin (33.5°S). <i>Renewable Energy</i> , 2015, 76, 186-195. | 8.9 | 33 |
| 20 | Sr- and Nd- isotope variations along the Pleistocene San Pedro Linzor volcanic chain, N. Chile: Tracking the influence of the upper crustal Altiplano-Puna Magma Body. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 341, 172-186. | 2.1 | 27 |
| 21 | Syntectonic emplacement of the Middle Jurassic ConcÃn Mafic Dike Swarm, Coastal Range, central Chile (33° S). <i>Tectonophysics</i> , 2006, 425, 101-122. | 2.2 | 26 |
| 22 | Late-stage magma flow in a shallow felsic reservoir: Merging the anisotropy of magnetic susceptibility record with numerical simulations in La Gloria Pluton, central Chile. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1984-1998. | 3.4 | 26 |
| 23 | Comparing magnetic and magmatic fabrics to constrain the magma flow record in La Gloria pluton, central Chile. <i>Journal of Structural Geology</i> , 2014, 69, 32-46. | 2.3 | 26 |
| 24 | Localised heating and intensive magmatic conditions prior to the 22-23 April 2015 Calbuco volcano eruption (Southern Chile). <i>Bulletin of Volcanology</i> , 2019, 81, 1. | 3.0 | 23 |
| 25 | Contribution of ground surface altitude difference to thermal anomaly detection using satellite images: Application to volcanic/geothermal complexes in the Andes of Central Chile. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 237-238, 69-80. | 2.1 | 21 |
| 26 | The genetic relationship between mafic dike swarms and plutonic reservoirs in the mesozoic of central Chile (30°-33°45'S): insights from AMS and geochemistry. <i>International Journal of Earth Sciences</i> , 2009, 98, 177-201. | 1.8 | 18 |
| 27 | A geochemical approach to distinguishing competing tectono-magmatic processes preserved in small eruptive centres. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1. | 3.1 | 18 |
| 28 | Origin of Holocene trachyte lavas of the QuetrupillÃn volcanic complex, Chile: Examples of residual melts in a rejuvenated crystalline mush reservoir. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 163-176. | 2.1 | 17 |
| 29 | Old magma and a new, intrusive trigger: using diffusion chronometry to understand the rapid-onset Calbuco eruption, April 2015 (Southern Chile). <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1. | 3.1 | 16 |
| 30 | Pre-Andean peraluminous and metaluminous leucogranitoid suites in the High Andes of central Chile. <i>Journal of South American Earth Sciences</i> , 1988, 1, 211-221. | 1.4 | 14 |
| 31 | Transient shallow reservoirs beneath small eruptive centres: Constraints from Mg-Fe interdiffusion in olivine. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 347, 327-336. | 2.1 | 14 |
| 32 | Geological evolution of Paniri volcano, Central Andes, northern Chile. <i>Journal of South American Earth Sciences</i> , 2018, 84, 184-200. | 1.4 | 14 |
| 33 | Geochemistry of the Triassic to Jurassic plutonism of central Chile (30 to 33°S); Petrogenetic implications and a tectonic discussion. <i>Special Paper of the Geological Society of America</i> , 1991, , 99-112. | 0.5 | 13 |
| 34 | Magnetic fabrics and compositional evidence for the construction of the Caleu pluton by multiple injections, Coastal Range of central Chile. <i>Tectonophysics</i> , 2005, 399, 399-420. | 2.2 | 13 |
| 35 | Cryptic magma recharge associated with the most voluminous 20th century eruptions (1921, 1948 and) Tj ETQq1 1 0.784314 rgBT /Ov | 2.1 | 13 |
| 36 | Magmatic Gradients in the Cretaceous Caleu Pluton (Central Chile): Injections of Pulses from a Stratified Magma Reservoir. <i>Gondwana Research</i> , 2002, 5, 307-324. | 6.0 | 12 |

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|----|--|-----|-----------|
| 37 | Protracted late magmatic stage of the Caleu pluton (central Chile) as a consequence of heat redistribution by diiking: Insights from zircon data and thermal modeling. <i>Lithos</i> , 2015, 227, 255-268. | 1.4 | 10 |
| 38 | A model for thermal gradient and heat flow in central Chile: The role of thermal properties. <i>Journal of South American Earth Sciences</i> , 2019, 91, 88-101. | 1.4 | 10 |
| 39 | Magmatic evolution of the Mantos Blancos copper deposit, Coastal Range of northern Chile: insight from Sr ⁸⁷ /Nd isotope, geochemical data and silicate melt inclusions. <i>Resource Geology</i> , 2008, 58, 124-142. | 0.8 | 8 |
| 40 | Morphology, Effusion Rates, and Petrology of Postglacial Lavas of Laguna del Maule Volcanic Field, Chilean Andes, and Implications for Their Plumbing System. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4925-4944. | 2.5 | 6 |
| 41 | Stratigraphically controlled sampling captures the onset of highly fluid-fluxed melting at San Jorge volcano, Southern Volcanic Zone, Chile. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1. | 3.1 | 6 |
| 42 | Lower Triassic alkaline granites of Central Chile (30°S) in the high-Andean Cordillera. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1981, 70, 1043-1053. | 1.3 | 5 |
| 43 | Base and precious metals geochemistry of rock units of the mainland Ays n region, Chilean Patagonia. <i>Journal of Geochemical Exploration</i> , 2000, 68, 21-46. | 3.2 | 5 |
| 44 | Transtension y transpresion del Jurasico Medio-Superior al Cretacico Inferior durante la construccion del arco magmatico en Chile central: evidencia a partir de enjambres de diques maficos.. <i>Andean Geology</i> , 2011, 38, . | 0.5 | 5 |
| 45 | Cordierite-bearing granitic rocks in South America: Contrasting sources and conditions of formation. <i>Journal of South American Earth Sciences</i> , 2019, 92, 417-434. | 1.4 | 1 |
| 46 | Zircon inheritance from long-lived sources of Late Triassic post-orogenic plutons, High Andes, Central Chile (~30°S): Magmatic feedbacks and petrogenetic implications. <i>Lithos</i> , 2020, 370-371, 105662. | 1.4 | 0 |
| 47 | Contrasting sources and conditions of shallow magmatic reservoirs of the Fui Group small eruptive centres associated with the Liqui e-Ofqui Fault Zone (Chilean Andes). <i>Journal of South American Earth Sciences</i> , 2022, 117, 103875. | 1.4 | 0 |