

# Juan DÃ-az-Alvarado

## List of Publications by Year in descending order

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25  
papers

735  
citations

687363

13  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

970  
citing authors

#	ARTICLE	IF	CITATIONS
1	Melting Relations of MORB-Sediment Melanges in Underplated Mantle Wedge Plumes; Implications for the Origin of Cordilleran-type Batholiths. <i>Journal of Petrology</i> , 2010, 51, 1267-1295.	2.8	179
2	Eruption dynamics of the 22 <sup>nd</sup> April 2015 Calbuco Volcano (Southern Chile): Analyses of tephra fall deposits. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 317, 15-29.	2.1	94
3	Chronological link between deep-seated processes in magma chambers and eruptions: Permo-Carboniferous magmatism in the core of Pangaea (Southern Pyrenees). <i>Gondwana Research</i> , 2014, 25, 290-308.	6.0	86
4	Petrology and SHRIMP U <sup>235</sup> Pb zircon geochronology of Cordilleran granitoids of the Bariloche area, Argentina. <i>Journal of South American Earth Sciences</i> , 2011, 32, 508-530.	1.4	76
5	Assessing Bulk Assimilation in Cordierite-bearing Granitoids from the Central System Batholith, Spain; Experimental, Geochemical and Geochronological Constraints. <i>Journal of Petrology</i> , 2011, 52, 223-256.	2.8	48
6	The North Patagonian batholith at Paso Puyehue (Argentina-Chile). SHRIMP ages and compositional features. <i>Journal of South American Earth Sciences</i> , 2011, 32, 547-554.	1.4	32
7	The unexpected explosive sub-Plinian eruption of Calbuco volcano (22 <sup>nd</sup> April 2015; southern Chile): Triggering mechanism implications. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 378, 35-50.	2.1	31
8	Multi-pulse cotectic evolution and in-situ fractionation of calc-alkaline tonalite <sup>235</sup> granodiorite rocks, Sierra de Velasco batholith, Famatinian belt, Argentina. <i>Gondwana Research</i> , 2015, 27, 258-280.	6.0	25
9	Fabric evidence for granodiorite emplacement with extensional shear zones in the Variscan Gredos massif (Spanish Central System). <i>Journal of Structural Geology</i> , 2012, 42, 74-90.	2.3	21
10	Tracing the Cambro-Ordovician ferrosilicic to calc-alkaline magmatic association in Iberia by in situ U <sup>235</sup> Pb SHRIMP zircon geochronology (Gredos massif, Spanish Central System batholith). <i>Tectonophysics</i> , 2016, 681, 95-110.	2.2	21
11	Fractionation and incipient self-granulitization during deep-crust emplacement of Lower Ordovician Valle F <sup>3</sup> ortil batholith at the Gondwana active margin of South America. <i>Gondwana Research</i> , 2014, 25, 685-706.	6.0	19
12	Age and composition of granulite xenoliths from Paso de Indios, Chubut province, Argentina. <i>Journal of South American Earth Sciences</i> , 2011, 32, 567-574.	1.4	17
13	Structural analysis and shape-preferred orientation determination of the m <sup>3</sup> lange facies in the Cha <sup>3</sup> aral m <sup>3</sup> lange, Las T <sup>3</sup> rtolas Formation, Coastal Cordillera, northern Chile. <i>Journal of South American Earth Sciences</i> , 2016, 67, 40-56.	1.4	15
14	Mantle derived crystal-poor rhyolitic ignimbrites: Eruptive mechanism from geochemical and geochronological data of the Piedra Parada caldera, Southern Argentina. <i>Geoscience Frontiers</i> , 2018, 9, 1529-1553.	8.4	12
15	The significance of U <sup>235</sup> Pb zircon ages in zoned plutons: the case of the Flamenco pluton, Coastal Range batholith, northern Chile. <i>Geoscience Frontiers</i> , 2019, 10, 1073-1099.	8.4	10
16	Tephra fallout from the long-lasting Tungurahua eruptive cycle (1999-2014): Variations through eruptive style transition and deposition processes. <i>Andean Geology</i> , 2017, 45, 47.	0.5	9
17	Petrology, geochemistry and thermobarometry of the northern area of the Flamenco pluton, Coastal Range batholith, northern Chile. A thermal approach to the emplacement processes in the Jurassic andean batholiths. <i>Journal of South American Earth Sciences</i> , 2016, 67, 122-139.	1.4	8
18	Geochemistry, petrogenesis and tectonic significance of the volcanic rocks of the Las Tortolas Formation, Coastal Cordillera, northern Chile. <i>Journal of South American Earth Sciences</i> , 2018, 87, 66-86.	1.4	8

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19	Using 3D kinematic models in subduction channels. The case of the Chañaral tectonic mélange, Coastal Cordillera, northern Chile. <i>Gondwana Research</i> , 2019, 74, 251-270.	6.0	7
20	Petrology and geochemistry of the orbicular granitoid of Caldera, northern Chile. Models and hypotheses on the formation of radial orbicular textures. <i>Lithos</i> , 2017, 284-285, 327-346.	1.4	6
21	Structural characteristics of the "Puguinos chaos" and its relationship with the Andean middle Cretaceous extensional tectonics at 27°S, northern Chile. <i>Journal of South American Earth Sciences</i> , 2020, 98, 102454.	1.4	3
22	The juxtaposition of Cambrian and early Ordovician magmatism in the Tafel del Valle area. Characteristics and recognition of Pampean and Famatinian magmatic suites in the easternmost Sierras Pampeanas. <i>Journal of South American Earth Sciences</i> , 2020, 104, 102878.	1.4	3
23	Fragments of the late Paleozoic accretionary complex in central and northern Chile: Similarities and differences as a key to decipher the complexity of the late Paleozoic to Triassic early Andean events. , 2019, , 509-530.		2
24	Relation between intrusive and deformational processes in oblique subductive margins. The case of the zoned Flamenco pluton in northern Chile. <i>Journal of South American Earth Sciences</i> , 2021, 112, 103553.	1.4	1
25	Submarine Basaltic Magmatism in the Subbetic Basin (Southern Spain): Insights into Melt-Weakening Processes during Mesozoic Continental Rifting. <i>Lithosphere</i> , 2021, 2021, .	1.4	1