Pablo Samaniego

List of Publications by Year
in descending order

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63 papers	1,799 citations	218677 26 h-index	289244 40 g-index
69 all docs	69 docs citations	69 times ranked	1310 citing authors

#	Article	IF	Citations
1	Tephra Fallout Probabilistic Hazard Maps for Cotopaxi and Guagua Pichincha Volcanoes (Ecuador) With Uncertainty Quantification. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	8
2	Geochronological evolution of the potentially active Iliniza Volcano (Ecuador) based on new K-Ar ages. Journal of Volcanology and Geothermal Research, 2022, 424, 107489.	2.1	5
3	Growth and evolution of long-lived, large volcanic clusters in the Central Andes: The Chachani Volcano Cluster, southern Peru. Journal of Volcanology and Geothermal Research, 2022, 426, 107539.	2.1	3
4	Introductory paper of the 8th International Symposium on Andean Geodynamics (ISAG) special number. Journal of South American Earth Sciences, 2022, , 103802.	1.4	0
5	The eruptive chronology of the Carihuairazo volcano (Ecuador): Recurrent sector collapses of a Middle Pleistocene stratovolcano of the northern andes. Journal of South American Earth Sciences, 2022, 116, 103865.	1.4	2
6	Unrest at Cayambe Volcano revealed by SAR imagery and seismic activity after the Pedernales subduction earthquake, Ecuador (2016). Journal of Volcanology and Geothermal Research, 2022, 428, 107577.	2.1	2
7	Evidence of destructive debris flows at (pre-) Hispanic Cayambe settlements, Ecuador. Quaternary International, 2022, 634, 65-80.	1.5	1
8	Noble gas magmatic signature of the Andean Northern Volcanic Zone from fluid inclusions in minerals. Chemical Geology, 2021, 559, 119966.	3.3	8
9	Eruption type probability and eruption source parameters at Cotopaxi and Guagua Pichincha volcanoes (Ecuador) with uncertainty quantification. Bulletin of Volcanology, 2021, 83, 1.	3.0	7
10	The Tutupaca volcanic complex (Southern Peru): Eruptive chronology and successive destabilization of a dacitic dome complex. Journal of South American Earth Sciences, 2021, 109, 103227.	1.4	8
11	Crustal thickness and magma storage beneath the Ecuadorian arc. Journal of South American Earth Sciences, 2021, 110, 103331.	1.4	14
12	First identification, geochemical characterization, and land-sea correlations of Holocene marine distal tephra from the Ecuadorian arc. , 2021, , .		0
13	The trace element signature of Ecuadorian magma: slab or crustal origin. , 2021, , .		0
14	Quantifying the Uncertainty of a Coupled Plume and Tephra Dispersal Model: PLUMEâ€MOM/HYSPLIT Simulations Applied to Andean Volcanoes. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018390.	3.4	15
15	Volcanic history reconstruction in northern Ecuador: insights for eruptive and erosion rates on the whole Ecuadorian arc. Bulletin of Volcanology, 2020, 82, 1.	3.0	22
16	Pre-eruptive magmatic processes associated with the historical (218â€‰Â±â€‰14 aBP) explosive eruption of Tutupaca volcano (southern Peru). Bulletin of Volcanology, 2020, 82, 1.	3.0	10
17	Linking magmatic processes and magma chemistry during the post-glacial to recent explosive eruptions of Ubinas volcano (southern Peru). Journal of Volcanology and Geothermal Research, 2020, 407, 107095.	2.1	6
18	The eruptive chronology of the Yucamane-Calientes compound volcano: A potentially active edifice of the Central Andes (southern Peru). Journal of Volcanology and Geothermal Research, 2020, 393, 106787.	2.1	5

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19	Glass shard K-Ar dating of the Chalupas caldera major eruption: Main Pleistocene stratigraphic marker of the Ecuadorian volcanic arc. Quaternary Geochronology, 2020, 57, 101053.	1.4	13
20	Active Tectonics and Earthquake Geology Along the Pallatanga Fault, Central Andes of Ecuador. Frontiers in Earth Science, 2020, 8, .	1.8	13
21	InSAR Deformation Analysis and Source Modelling of the Guagua Pichincha Volcano (Ecuador). , 2020, , .		0
22	Up to 1% Pb isotope disequilibrium between minerals hosted in dacites from the Guagua Pichincha volcano, Ecuador: Implication for tracing the source and crustal history of continental arc magmas. Chemical Geology, 2019, 525, 177-189.	3.3	4
23	Interactions between volcanism and geodynamics in the southern termination of the Ecuadorian arc. Tectonophysics, 2019, 751, 54-72.	2.2	24
24	Granular fingering as a mechanism for ridge formation in debris avalanche deposits: Laboratory experiments and implications for Tutupaca volcano, Peru. Journal of Volcanology and Geothermal Research, 2018, 349, 409-418.	2.1	16
25	The genetic relationship between andesites and dacites at Tungurahua volcano, Ecuador. Journal of Volcanology and Geothermal Research, 2018, 349, 283-297.	2.1	13
26	Constraining magma sources using primitive olivine-hosted melt inclusions from PuÃ±alica and Sangay volcanoes (Ecuador). Contributions To Mineralogy and Petrology, 2018, 173, 1.	3.1	21
27	Eruptive chronology of Tungurahua volcano (Ecuador) revisited based on new K-Ar ages and geomorphological reconstructions. Journal of Volcanology and Geothermal Research, 2018, 357, 378-398.	2.1	28
28	Evolution of the 2015 Cotopaxi Eruption Revealed by Combined Geochemical and Seismic Observations. Geochemistry, Geophysics, Geosystems, 2018, 19, 2087-2108.	2.5	33
29	Acrossâ€arc versus alongâ€arc <scp>S</scp>râ€Ndâ€Pb isotope variations in the <scp>E</scp>cuadorian volcanic arc. Geochemistry, Geophysics, Geosystems, 2017, 18, 1163-1188.	2.5	53
30	Antisana volcano: A representative andesitic volcano of the eastern cordillera of Ecuador: Petrography, chemistry, tephra and glacial stratigraphy. Journal of South American Earth Sciences, 2017, 73, 50-64.	1.4	23
31	Contrasting origin of two clay-rich debris flows at Cayambe Volcanic Complex, Ecuador. Bulletin of Volcanology, 2017, 79, 1.	3.0	9
32	Structure of the Plumbing System at Tungurahua Volcano, Ecuador: Insights from Phase Equilibrium Experiments on Julyâ€“August 2006 Eruption Products. Journal of Petrology, 2017, 58, 1249-1278.	2.8	32
33	The eruptive chronology of the Ampatoâ€“Sabancaya volcanic complex (Southern Peru). Journal of Volcanology and Geothermal Research, 2016, 323, 110-128.	2.1	36
34	Eruptive parameters and dynamics of the April 2015 sub-Plinian eruptions of Calbuco volcano (southern Chile). Bulletin of Volcanology, 2016, 78, 1.	3.0	58
35	Dynamic implications of ridges on a debris avalanche deposit at Tutupaca volcano (southern Peru). Bulletin of Volcanology, 2016, 78, 1.	3.0	25
36	The historical (218â€‰Â±â€‰14ÂaBP) explosive eruption of Tutupaca volcano (Southern Peru). Bulletin of Volcanology, 2015, 77, 1.	3.0	24

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37	The 2006â€“2009 activity of the Ubinas volcano (Peru): Petrology of the 2006 eruptive products and insights into genesis of andesite magmas, magma recharge and plumbing system. Journal of Volcanology and Geothermal Research, 2014, 270, 122-141.	2.1	28
38	A Devastating Plinian Eruption at Tungurahua Volcano Reveals Formative Occupation at â^¼1100 cal BC in Central Ecuador. Radiocarbon, 2013, 55, 1199-1214.	1.8	14
39	The Medieval Climate Anomaly and the Little Ice Age in the eastern Ecuadorian Andes. Climate of the Past, 2013, 9, 307-321.	3.4	56
40	A Devastating Plinian Eruption at Tungurahua Volcano Reveals Formative Occupation at ~1100 cal BC in Central Ecuador. Radiocarbon, 2013, 55, .	1.8	2
41	Eruptive history of Chimborazo volcano (Ecuador): A large, ice-capped and hazardous compound volcano in the Northern Andes. Journal of Volcanology and Geothermal Research, 2012, 221-222, 33-51.	2.1	38
42	Role of crustal and slab components in the Northern Volcanic Zone of the Andes (Ecuador) constrained by Srâ€“Ndâ€“O isotopes. Lithos, 2012, 132-133, 180-192.	1.4	42
43	Petrological analysis of the pre-eruptive magmatic process prior to the 2006 explosive eruptions at Tungurahua volcano (Ecuador). Journal of Volcanology and Geothermal Research, 2011, 199, 69-84.	2.1	96
44	Evolving metasomatic agent in the Northern Andean subduction zone, deduced from magma composition of the long-lived Pichincha volcanic complex (Ecuador). Contributions To Mineralogy and Petrology, 2010, 160, 239-260.	3.1	49
45	New radiometric and petrological constraints on the evolution of the Pichincha volcanic complex (Ecuador). Bulletin of Volcanology, 2010, 72, 1109-1129.	3.0	39
46	Evolution of the late Pleistocene Mojandaâ€“Fuya Fuya volcanic complex (Ecuador), by progressive adakitic involvement in mantle magma sources. Bulletin of Volcanology, 2009, 71, 233-258.	3.0	46
47	Testing the suitability of frictional behaviour for pyroclastic flow simulation by comparison with a well-constrained eruption at Tungurahua volcano (Ecuador). Bulletin of Volcanology, 2009, 71, 1057-1075.	3.0	109
48	Late Holocene phases of dome growth and Plinian activity at Guagua Pichincha volcano (Ecuador). Journal of Volcanology and Geothermal Research, 2008, 176, 7-15.	2.1	36
49	Pre-eruptive physical conditions of El Reventador volcano (Ecuador) inferred from the petrology of the 2002 and 2004â€“05 eruptions. Journal of Volcanology and Geothermal Research, 2008, 176, 82-93.	2.1	35
50	The Chimborazo sector collapse and debris avalanche: Deposit characteristics as evidence of emplacement mechanisms. Journal of Volcanology and Geothermal Research, 2008, 176, 36-43.	2.1	57
51	Holocene recurrent explosive activity at Chimborazo volcano (Ecuador). Journal of Volcanology and Geothermal Research, 2008, 176, 27-35.	2.1	18
52	The AD 1300â€“1700 eruptive periods at Tungurahua volcano, Ecuador, revealed by historical narratives, stratigraphy and radiocarbon dating. Journal of Volcanology and Geothermal Research, 2008, 176, 70-81.	2.1	67
53	Ecuadorian Andes volcanism: A review of Late Pliocene to present activity. Journal of Volcanology and Geothermal Research, 2008, 176, 1-6.	2.1	94
54	Degassing patterns of Tungurahua volcano (Ecuador) during the 1999â€“2006 eruptive period, inferred from remote spectroscopic measurements of SO2 emissions. Journal of Volcanology and Geothermal Research, 2008, 176, 151-162.	2.1	79

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55	Seismic, petrologic, and geodetic analyses of the 1999 dome-forming eruption of Guagua Pichincha volcano, Ecuador. Journal of Volcanology and Geothermal Research, 2007, 161, 333-351.	2.1	38
56	Temporal Evolution of Magmatism in the Northern Volcanic Zone of the Andes: The Geology and Petrology of Cayambe Volcanic Complex (Ecuador). Journal of Petrology, 2005, 46, 2225-2252.	2.8	91
57	Dubious case for slab melting in the Northern volcanic zone of the Andes: Comment and Reply. Geology, 2004, 32, e46-e47.	4.4	8
58	Volcanic eruptions with little warning: the case of VolcÃ¡n Reventador's Surprise November 3, 2002 Eruption, Ecuador. Andean Geology, 2004, 31, .	0.5	36
59	Slab melting and slab melt metasomatism in the Northern Andean Volcanic Zone : adakites and high-Mg andesites from Pichincha volcano (Ecuador). Bulletin - Societie Geologique De France, 2002, 173, 195-206.	2.2	33
60	Transition from calc-alkalic to adakitic magmatism at Cayambe volcano, Ecuador: Insights into slab melts and mantle wedge interactions. Geology, 2002, 30, 967.	4.4	59
61	Sangay volcano, Ecuador: structural development, present activity and petrology. Journal of Volcanology and Geothermal Research, 1999, 90, 49-79.	2.1	60
62	Late Holocene eruptive activity at Nevado Cayambe Volcano, Ecuador. Bulletin of Volcanology, 1998, 59, 451-459.	3.0	25
63	Changes in the vegetation and water cycle of the Ecuadorian pÃ¡ramo during the last 5000â€‰years. Holocene, 0, , 095968362211012.	1.7	0