

Luis E E Lara

List of Publications by Year in descending order

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46
papers

1,700
citations

331670
21
h-index

289244
40
g-index

47
all docs

47
docs citations

47
times ranked

1563
citing authors

#	ARTICLE	IF	CITATIONS
1	The link between volcanism and tectonics in the southern volcanic zone of the Chilean Andes: A review. <i>Tectonophysics</i> , 2009, 471, 96-113.	2.2	293
2	Eruptive history, geochronology, and magmatic evolution of the Puyehue-Cordon Caulle volcanic complex, Chile. <i>Bulletin of the Geological Society of America</i> , 2008, 120, 599-618.	3.3	157
3	Rhyodacitic fissure eruption in Southern Andes (Cord�n Caulle; 40.5�S) after the 1960 (Mw:9.5) Chilean earthquake: a structural interpretation. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 138, 127-138.	2.1	122
4	Across-arc geochemical variations in the Southern Volcanic Zone, Chile (34.5��38.0�S): Constraints on mantle wedge and slab input compositions. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 218-243.	3.9	105
5	Structural controls of volcanism in transversal chains: Resheared faults and neotectonics in the Cord�n Caulle��Puyehue area (40.5�S), Southern Andes. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 158, 70-86.	2.1	90
6	Magmatic evolution of the Puyehue��Cord�n Caulle Volcanic Complex (40� S), Southern Andean Volcanic Zone: From shield to unusual rhyolitic fissure volcanism. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 157, 343-366.	2.1	82
7	Locating magma reservoirs using InSAR and petrology before and during the 2011��2012 Cord�n Caulle silicic eruption. <i>Earth and Planetary Science Letters</i> , 2014, 395, 254-266.	4.4	77
8	The role of dyking and fault control in the rapid onset of eruption at Chait�n volcano, Chile. <i>Nature</i> , 2011, 478, 374-377.	27.8	65
9	Recent unrest (2002��2015) imaged by space geodesy at the highest risk Chilean volcanoes: Villarrica, Llaima, and Calbuco (Southern Andes). <i>Journal of Volcanology and Geothermal Research</i> , 2017, 344, 270-288.	2.1	62
10	Geochemical variations in the Central Southern Volcanic Zone, Chile (38��43�S): The role of fluids in generating arc magmas. <i>Chemical Geology</i> , 2014, 371, 27-45.	3.3	57
11	The Chait�n rhyolite lava dome: Eruption sequence, lava dome volumes, rapid effusion rates and source of the rhyolite magma. <i>Andean Geology</i> , 2013, 40, .	0.5	42
12	Overview of Chait�n Volcano, Chile, and its 2008-2009 eruption. <i>Andean Geology</i> , 2013, 40, .	0.5	36
13	Use of remote imagery to analyse changes in morphology and longitudinal large wood distribution in the blanco river after the 2008 chait�n volcanic eruption, southern chile. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2015, 97, 523-541.	1.5	34
14	Secular variation of the Earth��s magnetic field and application to paleomagnetic dating of historical lava flows in Chile. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 242, 65-78.	1.9	29
15	High effusion rates of the Cord�n Caulle 2011��2012 eruption (Southern Andes) and their relation with the quasi��harmonic tremor. <i>Geophysical Research Letters</i> , 2015, 42, 7054-7063.	4.0	28
16	Quaternary Vertical Displacement along the Liqui��e-Ofqui Fault Zone: Differential Uplift and Coeval Volcanism in the Southern Andes?. <i>International Geology Review</i> , 2008, 50, 975-993.	2.1	27
17	The 2008 eruption of the Chait�n Volcano, Chile: a preliminary report. <i>Andean Geology</i> , 2009, 36, .	0.5	26
18	The Carr��n��Los Venados volcanic field and its relationship with coeval and nearby polygenetic volcanism in an intra-arc setting. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 308, 70-81.	2.1	25

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19	Transtension driving volcano-edifice anatomy: Insights from Andean transverse-to-the-orogen tectonic domains. <i>Quaternary International</i> , 2017, 438, 33-49.	1.5	25
20	Volatile (sulphur and chlorine), major, and trace element geochemistry of mafic to intermediate tephra from the Chilean Southern Volcanic Zone (33°–43°S). <i>International Journal of Earth Sciences</i> , 2014, 103, 1945-1962.	1.8	24
21	Rapid reinflation following the 2011–2012 rhyodacite eruption at Cordón Caulle volcano (Southern) Tj ETQq1 1 0.784314 rgBT /O 4.0 23 9552-9562.	4.0	23
22	Lanín volcano (39.5°S), Southern Andes: geology and morphostructural evolution. <i>Andean Geology</i> , 2004, 31, .	0.5	19
23	Plate tectonics and the origin of the Juan Fernandez Ridge: analysis of bathymetry and magnetic patterns. <i>Latin American Journal of Aquatic Research</i> , 2014, 42, 907-917.	0.6	18
24	Paleomagnetic study of juvenile basaltic–andesite clasts from Andean pyroclastic density current deposits. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 227, 20-29.	1.9	18
25	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
26	Late Holocene history of Chaitón Volcano: New evidence for a 17th century eruption. <i>Andean Geology</i> , 2013, 40, .	0.5	18
27	The 2008 “silent” eruption of Nevados de Chillán (Chile) detected from space: Effusive rates and trends from the MIROVA system. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 327, 322-329.	2.1	17
28	Possible structural control on the 2011 eruption of Puyehue-Cordón Caulle Volcanic Complex (southern Chile) determined by InSAR, GPS and seismicity. <i>Geophysical Journal International</i> , 2017, 208, 134-147.	2.4	17
29	40Ar/39Ar Geochronological Constraints on the Age Progression Along the Juan Fernández Ridge, SE Pacific. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	15
30	Measuring effusion rates of obsidian lava flows by means of satellite thermal data. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 347, 82-90.	2.1	13
31	Eruptive sequence and seismic activity of Llaima volcano (Chile) during the 2007–2009 eruptive period: Inferences of the magmatic feeding system. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 379, 90-105.	2.1	12
32	Active Normal Faulting, Diking, and Doming Above the Rapidly Inflating Laguna del Maule Volcanic Field, Chile, Imaged With CHIRP, Magnetic, and Focal Mechanism Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019329.	3.4	12
33	Contrasting P-T paths of shield and rejuvenated volcanism at Robinson Crusoe Island, Juan Fernández Ridge, SE Pacific. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 341, 242-254.	2.1	11
34	Sustainable Risk Management of Rural Road Networks Exposed to Natural Hazards: Application to Volcanic Lahars in Chile. <i>Sustainability</i> , 2020, 12, 6774.	3.2	11
35	Holocene record of large explosive eruptions from Chaitón and Michinmahuida Volcanoes, Chile. <i>Andean Geology</i> , 2013, 40, .	0.5	9
36	Biostratigraphic evidence for dramatic Holocene uplift of Robinson Crusoe Island, Juan Fernández Ridge, SE Pacific Ocean. <i>Biogeosciences</i> , 2015, 12, 1993-2001.	3.3	8

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37	Late Cenozoic Quaternary Volcanism in Patagonia and Tierra del Fuego. Developments in Quaternary Sciences, 2008, 11, 95-119.	0.1	7
38	Stratigraphically controlled sampling captures the onset of highly fluid-fluxed melting at San Jorge volcano, Southern Volcanic Zone, Chile. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	6
39	Unraveling short-lived rejuvenated volcanism and a rapid transition from shield stage at Oâ€™Higgins Guyot, Juan FernÃ¡ndez Ridge, Pacific SE. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 141, 33-42.	1.4	5
40	Peligro y riesgo especÃ­fico asociado al volcÃ¡n ChaitÃ©n: perspectiva geolÃ³gica de la vulnerabilidad en el entorno de un volcÃ¡n activo. Magallania, 2015, 43, 27-35.	0.1	5
41	Decoding the plumbing system of Nevados de ChillÃ¡n Volcanic complex, Southern Andes. Journal of Volcanology and Geothermal Research, 2022, 422, 107455.	2.1	5
42	The 2011 CordÃ³n Caulle eruption triggered by slip on the LiquiÃ±e-Ofqui fault system. Earth and Planetary Science Letters, 2022, 583, 117386.	4.4	5
43	Petrogenesis of shield volcanism from the Juan FernÃ¡ndez Ridge, Southeast Pacific: Melting of a low-temperature pyroxenite-bearing mantle plume. Geochimica Et Cosmochimica Acta, 2019, 257, 311-335.	3.9	4
44	Co-eruptive deformation and dome growth during the 2008-2009 ChaitÃ©n eruption, Southern Andes. Andean Geology, 2013, 40, .	0.5	4
45	The AD1835 eruption at Robinson Crusoe Island discredited: Geological and historical evidence. Progress in Physical Geography, 2021, 45, 187-206.	3.2	3
46	The strong competition between growth and erosive processes on the Juan FernÃ¡ndez Archipelago (SE) Tj ETQq0 0.0 rgBT /Qverlock 10	2.6	2