

# JosÃ© Luis MacÃ¡s

## List of Publications by Year in descending order

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times ranked

2281  
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#	ARTICLE	IF	CITATIONS
1	Repeated volcanic disasters in Prehispanic time at Popocatepetl, central Mexico: Past key to the future?. <i>Geology</i> , 1996, 24, 399.	4.4	180
2	Geochemical Evidence for Mantle Origin and Crustal Processes in Volcanic Rocks from Popocatepetl and Surrounding Monogenetic Volcanoes, Central Mexico. <i>Journal of Petrology</i> , 2005, 46, 1243-1282.	2.8	167
3	Debris avalanches and debris flows transformed from collapses in the Trans-Mexican Volcanic Belt, Mexico – behavior, and implications for hazard assessment. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 113, 81-110.	2.1	141
4	Catastrophic precipitation-triggered lahar at Casita volcano, Nicaragua: occurrence, bulking and transformation. <i>Earth Surface Processes and Landforms</i> , 2005, 30, 59-79.	2.5	137
5	Modeling of pyroclastic flows of Colima Volcano, Mexico: implications for hazard assessment. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 139, 103-115.	2.1	108
6	Geochemistry of the volcano-hydrothermal system of El Chichón Volcano, Chiapas, Mexico. <i>Bulletin of Volcanology</i> , 1998, 59, 436-449.	3.0	107
7	The cohesive Naranjo debris-flow deposit (10 km <sup>3</sup> ):. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 117, 213-235.	2.1	107
8	The 10.5 ka Plinian eruption of Nevado de Toluca volcano, Mexico: Stratigraphy and hazard implications. <i>Bulletin of the Geological Society of America</i> , 2003, 115, 230-248.	3.3	107
9	Eyewitness, stratigraphy, chemistry, and eruptive dynamics of the 1913 Plinian eruption of Volcán de Colima, México. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 191, 149-166.	2.1	102
10	Volcanic history of El Chichón Volcano (Chiapas, Mexico) during the Holocene, and its impact on human activity. <i>Bulletin of Volcanology</i> , 2000, 62, 90-104.	3.0	99
11	Miocene to Recent structural evolution of the Nevado de Toluca volcano region, Central Mexico. <i>Tectonophysics</i> , 2000, 318, 281-302.	2.2	99
12	Emplacement of pyroclastic flows during the 1998–1999 eruption of Volcán de Colima, México. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 117, 129-153.	2.1	82
13	Sta. Cruz Atizapán: a 22-ka lake level record and climatic implications for the late Holocene human occupation in the Upper Lerma Basin, Central Mexico. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2002, 186, 217-235.	2.3	81
14	Title is missing!. <i>Journal of Paleolimnology</i> , 1999, 22, 399-411.	1.6	78
15	Strike-slip faults and K-alkaline volcanism at El Chichón volcano, southeastern Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 136, 247-268.	2.1	74
16	Pyroclastic flow deposits of the 1991 eruption of Volcán de Colima, Mexico. <i>Bulletin of Volcanology</i> , 2004, 66, 291-306.	3.0	73
17	Source conditions and degradation processes of light hydrocarbons in volcanic gases: an example from El Chichón volcano (Chiapas State, Mexico). <i>Chemical Geology</i> , 2004, 206, 81-96.	3.3	68
18	Hazard map of El Chichón volcano, Chiapas, México: Constraints posed by eruptive history and computer simulations. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 175, 444-458.	2.1	65

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19	A 550-year-old Plinian eruption at El Chichón Volcano, Chiapas, Mexico: Explosive volcanism linked to reheating of the magma reservoir. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	64
20	Chemical composition of fumarolic gases and spring discharges from El Chichón volcano, Mexico: causes and implications of the changes detected over the period 1998-2000. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 123, 105-121.	2.1	61
21	Sr, Nd and Pb isotope and geochemical data from the Quaternary Nevado de Toluca volcano, a source of recent adakitic magmatism, and the Tenango Volcanic Field, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 138, 77-110.	2.1	57
22	Advances in studies of dense volcanic granular flows. <i>Reports on Progress in Physics</i> , 2005, 68, 271-301.	20.1	56
23	A caldera-forming eruption ~14,000 years BP at Popocatepetl volcano, Mexico: Insights from eruption dynamics and magma mixing. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 213-214, 27-40.	2.1	55
24	The 26 May 1982 breakout flows derived from failure of a volcanic dam at El Chichón, Chiapas, Mexico. <i>Bulletin of the Geological Society of America</i> , 2004, 116, 233.	3.3	54
25	<sup>40</sup> Ar/ <sup>39</sup> Ar dating, geochemistry, and isotopic analyses of the quaternary Chichinutzin volcanic field, south of Mexico City: implications for timing, eruption rate, and distribution of volcanism. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	3.0	54
26	The 12.1 ka Middle Toluca Pumice: A dacitic Plinian "subplinian" eruption of Nevado de Toluca in Central Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 147, 125-143.	2.1	53
27	Geología e historia eruptiva de algunos de los grandes volcanes activos de México. <i>Boletín De La Sociedad Geológica Mexicana</i> , 2005, 57, 379-424.	0.3	53
28	Holocene plinian eruption of La Virgen volcano, Baja California, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 80, 239-266.	2.1	51
29	Chemical characteristics of the crater lakes of Popocatepetl, El Chichon, and Nevado de Toluca volcanoes, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2000, 97, 105-125.	2.1	50
30	Sector collapse of the SW flank of Volcán de Colima, México. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 197, 52-66.	2.1	50
31	Development of lithic-breccias in the 1982 pyroclastic flow deposits of El Chichón Volcano, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 83, 173-196.	2.1	49
32	Dynamics of the ca. 4965 years BP "Ochre Pumice" Plinian eruption of Popocatepetl volcano, México. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 192, 212-231.	2.1	49
33	The 17 July 1999 block-and-ash flow (BAF) at Colima Volcano: New insights on volcanic granular flows from textural analysis. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 204, 40-56.	2.1	49
34	Late Holocene Pelean-style eruption at Tacana volcano, Mexico and Guatemala: Past, present, and future hazards. <i>Bulletin of the Geological Society of America</i> , 2000, 112, 1234-1249.	3.3	48
35	Preliminary report on the July 10-11, 2015 eruption at Volcán de Colima: Pyroclastic density currents with exceptional runouts and volume. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 310, 39-49.	2.1	47
36	Estimation of risk probability for gravity-driven pyroclastic flows at Volcan Colima, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 1995, 66, 251-256.	2.1	43

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37	The Amerindian mtDNA haplogroup B2 enhances the risk of HPV for cervical cancer: de-regulation of mitochondrial genes may be involved. <i>Journal of Human Genetics</i> , 2012, 57, 269-276.	2.3	43
38	Reappraisal of the 1982 eruptions of El Chichón Volcano, Chiapas, Mexico: new data from proximal deposits. <i>Bulletin of Volcanology</i> , 1997, 58, 459-471.	3.0	41
39	Volcanic hazard zonation of the Nevado de Toluca volcano, México. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 176, 469-484.	2.1	41
40	The ~ 23,500 y 14 C BP White Pumice Plinian eruption and associated debris avalanche and Tochimilco lava flow of Popocatepetl volcano, México. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 333-334, 66-95.	2.1	40
41	Popocatepetl's crater filled to the brim: significance for hazard evaluation. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 141, 327-330.	2.1	37
42	Late-Pleistocene flank collapse triggered by dome growth at Tacaná volcano, México-Guatemala, and its relationship to the regional stress regime. <i>Bulletin of Volcanology</i> , 2010, 72, 33-53.	3.0	36
43	Petrology of the 1998-2000 products of Volcán de Colima, México. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 117, 195-212.	2.1	35
44	Preliminary 3-D geological models of Los Humeros and Acoculco geothermal fields (Mexico) - H2020 GEMex Project. <i>Advances in Geosciences</i> , 0, 45, 321-333.	12.0	35
45	Geology and stratigraphy of the Mexico Basin (Mexico City), central Trans-Mexican Volcanic Belt. <i>Journal of Maps</i> , 2019, 15, 320-332.	2.0	33
46	Geology of the late Pliocene - Pleistocene Acoculco caldera complex, eastern Trans-Mexican Volcanic Belt (México). <i>Journal of Maps</i> , 2019, 15, 8-18.	2.0	33
47	Morphology of ash aggregates from wet pyroclastic surges of the 1982 eruption of El Chichón Volcano, Mexico. <i>Bulletin of Volcanology</i> , 2005, 68, 171-200.	3.0	32
48	The Sierra de Mil Cumbres, Michoacán, México: Transitional volcanism between the Sierra Madre Occidental and the Trans-Mexican Volcanic Belt. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 301, 128-147.	2.1	32
49	NW-SE Pliocene-Quaternary extension in the Apan-Acoculco region, eastern Trans-Mexican Volcanic Belt. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 349, 240-255.	2.1	32
50	The Acoculco Caldera Complex magmas: Genesis, evolution and relation with the Acoculco geothermal system. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 358, 288-306.	2.1	31
51	Gauging short-term volcanic hazards at Popocatepetl [Popocat' {e}petl]. <i>Eos</i> , 2001, 82, 185-185.	0.1	30
52	The ~12450 BP Asososca maar eruption: The youngest event along the Nejapa-Miraflores volcanic fault, Western Managua, Nicaragua. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 184, 292-312.	2.1	29
53	The control of preexisting faults on the distribution, morphology, and volume of monogenetic volcanism in the Michoacán-Guanajuato Volcanic Field. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 2455-2474.	3.3	29
54	The rain-triggered Atenquique volcaniclastic debris flow of October 16, 1955 at Nevado de Colima Volcano, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 173, 69-83.	2.1	28

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55	The 141245yr BP Asososca maar: New advances on recent volcanic stratigraphy of Managua (Nicaragua) and hazard implications. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 176, 493-512.	2.1	28
56	A 2.5 ka History of Dacitic Magmatism at Nevado de Toluca, Mexico: Petrological, 40Ar/39Ar Dating, and Experimental Constraints on Petrogenesis. <i>Journal of Petrology</i> , 2006, 47, 457-479.	2.8	26
57	El Ventorrillo, a paleostructure of Popocatepetl volcano: insights from geochronology and geochemistry. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	25
58	Stratigraphy, geomorphology, geochemistry and hazard implications of the Nejapa Volcanic Field, western Managua, Nicaragua. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 213-214, 51-71.	2.1	24
59	TITAN2D simulations of pyroclastic flows at Cerro Machán Volcano, Colombia: Hazard implications. <i>Journal of South American Earth Sciences</i> , 2010, 29, 161-170.	1.4	23
60	Storage conditions and magma processes triggering the 1818 CE Plinian eruption of Volcán de Colima. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 340, 117-129.	2.1	23
61	Eruptive chronology and tectonic context of the late Pleistocene Tres Virgenes volcanic complex, Baja California Sur (México). <i>Journal of Volcanology and Geothermal Research</i> , 2018, 360, 100-125.	2.1	22
62	Late Pleistocene flank collapse of Zempoala volcano (Central Mexico) and the role of fault reactivation. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 944-958.	2.1	21
63	Hazardous materials transportation in Mexico City: Chlorine and gasoline cases. <i>Transportation Research Part C: Emerging Technologies</i> , 2011, 19, 779-789.	7.6	21
64	Building stones used in the architectural heritage of Morelia (México): quarries location, rock durability and stone compatibility in the monument. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	21
65	Successive collapses of the El Estribo volcanic complex in the Pátzcuaro Lake, Michoacán, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 289, 41-50.	2.1	20
66	The eruptive history of the Pátzcuaro Lake area in the Michoacán Guanajuato Volcanic Field, central México: Field mapping, C-14 and 40Ar/39Ar geochronology. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 358, 307-328.	2.1	20
67	Eruptive chronology of the Acoculco caldera complex – A resurgent caldera in the eastern Trans-Mexican Volcanic Belt (México). <i>Journal of South American Earth Sciences</i> , 2020, 98, 102412.	1.4	20
68	Petrophysical and mechanical rock property database of the Los Humeros and Acoculco geothermal fields (Mexico). <i>Earth System Science Data</i> , 2021, 13, 571-598.	9.9	20
69	Deposition temperature of some PDC deposits from the 1982 eruption of El Chichón volcano (Chiapas). <i>Journal of Volcanology and Geothermal Research</i> , 2017, 340, 494-500.	2.1	19
70	The September 8–9, 1998 Rain-Triggered Flood Events at Motozintla, Chiapas, Mexico. <i>Natural Hazards</i> , 2006, 39, 103-126.	3.4	18
71	Geology and eruptive history of some active volcanoes of Mexico. , 2007, , .		18
72	Reconstruction of the Sibinal Pumice, an andesitic Plinian eruption at Tacaná Volcanic Complex, México–Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 217-218, 39-55.	2.1	18

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73	Geomorphology, internal structure and evolution of alluvial fans at Motozintla, Chiapas, Mexico. <i>Geomorphology</i> , 2015, 230, 1-12.	2.6	18
74	Volcanic hazards in the Mexico City metropolitan area from eruptions at Popocatepetl, Nevado de Toluca, and Jocotitlan stratovolcanoes and monogenetic scoria cones in the Sierra Chichinautzin Volcanic Field. , 2006, , .		17
75	Pre-eruptive conditions of dacitic magma erupted during the 21.7ka Plinian event at Nevado de Toluca volcano, Central Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 249, 49-65.	2.1	17
76	Geological evolution of the Tacaná Volcanic Complex, Mexico-Guatemala. , 2006, , .		16
77	The ~31ka rhyolitic Plinian to sub-Plinian eruption of Tlaloc Volcano, Sierra Nevada, central Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 252, 73-91.	2.1	16
78	LATE FORMATIVE FLOODING OF IZAPA AFTER AN ERUPTION OF TACANÁ VOLCANO. <i>Ancient Mesoamerica</i> , 2018, 29, 361-371.	0.3	16
79	The ~2500Âyr B.P. Chicoral non-cohesive debris flow from Cerro MachÃn Volcano, Colombia. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 171, 201-214.	2.1	15
80	Mixed magmaticâ€phreatomagmatic explosions during the formation of the Joya Honda maar, San Luis PotosÃ, Mexico. <i>Geological Society Special Publication</i> , 2017, 446, 255-279.	1.3	15
81	Geology and geochronology of Tlaloc, TelapÃn, IztaccÃhuatl, and PopocatÃpetl volcanoes, Sierra Nevada, central Mexico. , 2012, , 163-193.		14
82	Effect of strain rate in the distribution of monogenetic and polygenetic volcanism in the Transmexican volcanic belt: Comments and Reply. <i>Geology</i> , 1999, 27, 571.	4.4	13
83	Geologic mapping of the Colima volcanic complex (Mexico) and implications for hazard assessment. , 2010, , .		13
84	El Estribo Volcanic Complex: Evolution from a shield volcano to a cinder cone, PÃtzcuaro Lake, MichoacÃn, MÃxico. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 303, 130-145.	2.1	13
85	Probabilistic forecasting of plausible debris flows from Nevado de Colima (Mexico) using data from the Atenquique debris flow, 1955. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 791-820.	3.6	13
86	Evidence of volcanic activity in the growth rings of trees at the TacanÃ volcano, Mexicoâ€Guatemala border. <i>Canadian Journal of Forest Research</i> , 2020, 50, 65-72.	1.7	13
87	Magmatic controls on eruption dynamics of the 1950yrB.P. eruption of San Antonio Volcano, TacanÃ Volcanic Complex, Mexicoâ€Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 262, 134-152.	2.1	12
88	Genesis and evolution of the Cerro Prieto Volcanic Complex, Baja California, Mexico. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	3.0	12
89	Tree rings as indicators of climatic variation in the Trans-Mexican Volcanic Belt, central Mexico. <i>Ecological Indicators</i> , 2021, 120, 106920.	6.3	12
90	Products of the 1907 eruption of Shtyubel¼ Volcano, Ksudach Caldera, Kamchatka, Russia. <i>Bulletin of the Geological Society of America</i> , 1995, 107, 969-0986.	3.3	11

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91	Late Pleistocene–Holocene Volcanic Stratigraphy and Palaeoenvironments of the Upper Lerma Basin, Mexico. , 0, , 247-261.		11
92	Geomechanical characterization of the Miocene Cuitzeo ignimbrites, Michoacán, Central Mexico. Engineering Geology, 2016, 214, 79-93.	6.3	11
93	Eruptive chronology of monogenetic volcanoes northwestern of Morelia – Insights into volcano-tectonic interactions in the central-eastern Michoacán-Guanajuato Volcanic Field, México. Journal of South American Earth Sciences, 2020, 100, 102554.	1.4	11
94	Volcaniclastic sequences at the foot of Tacaná Volcano, southern México: implications for hazard assessment. Bulletin of Volcanology, 2014, 76, 1.	3.0	10
95	Geology of La Reforma caldera complex, Baja California, Mexico. Journal of Maps, 2019, 15, 487-498.	2.0	10
96	Late Pleistocene-Holocene Debris Avalanche Deposits from Volcán de Colima, Mexico. Active Volcanoes of the World, 2019, , 55-79.	1.4	10
97	Deposit temperature of pyroclastic density currents emplaced during the El Chichón 1982 and Colima 1913 eruptions. Geological Society Special Publication, 2015, 396, 35-49.	1.3	9
98	Tephra fallout hazard assessment at Tacaná volcano (Mexico). Journal of South American Earth Sciences, 2019, 91, 253-259.	1.4	9
99	Geophysical imaging of fluid circulation and its relation with the structural system of Cerritos Colorados geothermal field, La Primavera caldera (Mexico). Journal of Volcanology and Geothermal Research, 2019, 369, 238-249.	2.1	9
100	Late Holocene paleopedological records contained in tephra from El Chichón volcano, Chiapas, Mexico. Catena, 2007, 71, 444-455.	5.0	8
101	Internal Structure and Hydrothermal Fluid Circulation of Parícutin Volcano, Mexico: Insights Gained From Near-Surface Geophysics. Geophysical Research Letters, 2020, 47, e2020GL089270.	4.0	8
102	The Santa Fe Intrusion and Other Magmatic Bodies Under the Chichón Volcano Area (Mexico): Inferences from Aeromagnetic and New Petrologic-Geochronologic Data. Surveys in Geophysics, 2020, 41, 859-895.	4.6	8
103	Computational modeling of the 1991 block and ash flows at Colima Volcano, México. , 2006, , .		8
104	The 27 May 1937 catastrophic flow failure of gold tailings at Tlalpujahua, Michoacán, Mexico. Natural Hazards and Earth System Sciences, 2015, 15, 1069-1085.	3.6	7
105	Pyroclastic Density Currents at Volcán de Colima. Active Volcanoes of the World, 2019, , 111-139.	1.4	7
106	Geophysical modeling of La Primavera caldera and its relation to volcanology activity based on 3D susceptibility inversion and potential data analysis. Journal of Volcanology and Geothermal Research, 2020, 393, 106556.	2.1	7
107	Source and behavior of pyroclastic density currents generated by Vulcanian-style explosions of Popocatepetl volcano (Mexico) on 22 January 2001. Journal of Volcanology and Geothermal Research, 2020, 406, 107071.	2.1	7
108	A review of recent studies on landslide hazard in Latin America. Physical Geography, 2023, 44, 243-286.	1.4	7



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109	Implications of reworking processes on tephra distribution during volcanic eruptions: The case of Parícutin (1943–1952, western Mexico). <i>Earth Surface Processes and Landforms</i> , 2021, 46, 3143-3157.	2.5	7
110	The Lower Toluca Pumice: A ca. 21,700 yr B.P. Plinian eruption of Nevado de Toluca volcano, Mexico. , 2006, , .		6
111	Late Pleistocene rhyolitic explosive volcanism at Los Azufres Volcanic Field, central Mexico. , 2012, , 45-82.		6
112	Stratigraphy, chemistry, and eruptive dynamics of the 12.4 ka plinian eruption of Apoyeque volcano, Managua, Nicaragua. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	6
113	Tracking large volcanic eruptions and their regional variability. <i>Geology</i> , 2017, 45, 191-192.	4.4	6
114	Storage conditions of the ~29 ka rhyolitic Guangoche White Pumice Sequence, Los Azufres Volcanic Field, Central Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 358, 132-148.	2.1	6
115	New insights into the stratigraphy and <sup>230</sup> Th/U geochronology of the post-caldera explosive volcanism of La Primavera caldera, Mexico. <i>Journal of South American Earth Sciences</i> , 2020, 103, 102747.	1.4	6
116	A numerical model for the magmatic heat reservoir of the Las Tres Virgenes volcanic complex, Baja California Sur, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 414, 107227.	2.1	6
117	New Sr-Nd-Pb-O isotope data for Colima volcano and evidence for the nature of the local basement. , 2006, , .		6
118	Volatile elements in alkaline and calc-alkaline rocks from the Colima graben, Mexico: Constrains on their genesis and evolution. <i>Geofisica International</i> , 1993, 32, 575-589.	0.2	6
119	Surface hydrothermal activity controlled by the active structural system in the self-sealing geothermal field of Acoculco (Mexico). <i>Geothermics</i> , 2022, 101, 102372.	3.4	6
120	Comment on: Schmitt, A.K. et al. (2006): Eruption and magma crystallization ages of Las Tres Virgenes (Baja California) constrained by combined <sup>230</sup> Th/ <sup>238</sup> U and ( <sup>U</sup> – <sup>Th</sup> )/He dating of zircon [J. Volcanol. Geotherm. Res. V. 158: 281–295]. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 163, 98-101.	2.1	5
121	Geology of the late Pleistocene Tres Virgenes Volcanic Complex, Baja California Sur (Mexico). <i>Journal of Maps</i> , 2019, 15, 227-237.	2.0	5
122	Tectonic and magmatic controls on the evolution of post-collapse volcanism. Insights from the Acoculco Caldera Complex, Puebla, Mexico. <i>Lithos</i> , 2021, 380-381, 105878.	1.4	5
123	Integrated hazards maps of the Tacaná Volcanic complex, Mexico-Guatemala: Ashfall, block-and-ash flows, and lahars. <i>Journal of South American Earth Sciences</i> , 2021, 107, 103146.	1.4	5
124	Numerical simulation of block-and-ash flows for different eruptive scenarios of the Tacaná Volcanic Complex, Mexico-Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 373, 36-50.	2.1	4
125	Geodynamic Setting and Pre-volcanic Geology of Active Volcanism in Chiapas. <i>Active Volcanoes of the World</i> , 2015, , 1-23.	1.4	4
126	Reply to comment by: Lucia Capra, Claus Siebe, José Luis Macías, and Juan Manuel Espíndola. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 163, 102-103.	2.1	3



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127	Effect of fulvic acids on the electrolytes physiology in vertebrates. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 838-840.	1.6	3
128	Geological Setting, Volcanic Stratigraphy, and Flank Failure of the El Estribo Volcano, Páitzcuaro (Michoacán, Mexico). Springer Geology, 2014, , 1251-1256.	0.3	3
129	Landslide impact on the archaeological site of Mitla, Oaxaca. Geoarchaeology - an International Journal, 2020, 35, 644-658.	1.5	3
130	New chronological constraints on intense Holocene eruptions and landslide activity at Tacaná volcanic complex (Mexico). Quaternary Geochronology, 2021, 65, 101183.	1.4	3
131	Multitemporal landslide inventory analysis of an intertropical mountain in west-central Mexico "Basis for hazard management. Journal of Mountain Science, 2022, 19, 1650-1669.	2.0	3
132	Detailed geomorphology of debris avalanches of El Estribo volcanic complex (Central Mexico). Journal of Maps, 2020, 16, 552-564.	2.0	2
133	Provenance and compositional variations of intra-caldera lake sediments at La Primavera, Jalisco, Western Mexico. Journal of South American Earth Sciences, 2021, 110, 103335.	1.4	2
134	A two-dimensional temperature field simulation of the La Primavera geothermal area, México. Geothermics, 2021, 96, 102201.	3.4	2
135	Numerical modeling and hazard implications of landslides at the Ardillas Volcanic Dome (Tacaná) Tj ETQq1 1 0.784314 rgBT <sub>2</sub> Overlo	3.4	2
136	Caracterización granulométrica de los depósitos de abanicos aluviales en la Cuenca de Motozintla, Chiapas, México: un peligro geológico latente por eventos de inundación. Boletín De La Sociedad Geológica Mexicana, 2017, 69, 529-554.	0.3	1
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