

Claus Siebe

List of Publications by Year in descending order

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76
papers

2,998
citations

136950

32
h-index

175258

52
g-index

79
all docs

79
docs citations

79
times ranked

1777
citing authors

#	ARTICLE	IF	CITATIONS
1	Volcano-sedimentary processes at Las Derrumbadas rhyolitic twin domes, Serdın-Oriental Basin, Eastern Trans-Mexican Volcanic Belt. Geological Society Special Publication, 2023, 520, 165-189.	1.3	3
2	Reconstructing the middle to late Pleistocene explosive eruption histories of Popocatpetl, Iztacchuatl and Tlloc-Telapn volcanoes in Central Mxico. Journal of Volcanology and Geothermal Research, 2022, 421, 107413.	2.1	4
3	No evidence for tephra in Greenland from the historic eruption of Vesuvius in 79CE: implications for geochronology and paleoclimatology. Climate of the Past, 2022, 18, 45-65.	3.4	13
4	From Explosive Vent Opening to Effusive Outpouring: Mineral Constraints on Magma Dynamics and Timescales at Paricutin Monogenetic Volcano. Journal of Petrology, 2021, 62, .	2.8	10
5	The historical case of Paricutin volcano (Michoacn, Mxico): challenges of simulating lava flows on a gentle slope during a long-lasting eruption. Natural Hazards, 2021, 107, 809-829.	3.4	5
6	Late Holocene Malpas de Zacapu (Michoacn, Mexico) andesitic lava flows: rheology and eruption properties based on LiDAR image. Bulletin of Volcanology, 2021, 83, 1.	3.0	6
7	Rancho Seco monogenetic volcano (Michoacn, Mexico): Petrogenesis and lava flow emplacement based on LiDAR images. Journal of Volcanology and Geothermal Research, 2021, 411, 107169.	2.1	8
8	Monogenetic volcanoes with initial phreatomagmatic phases in the Ceboruco graben, western Mexico: The cases of Potrerillo I, Potrerillo II, and San Juanito. Journal of Volcanology and Geothermal Research, 2021, 412, 107184.	2.1	3
9	Las Cabras volcano, Michoacn-Guanajuato Volcanic Field, Mxico: Topographic, climatic, and shallow magmatic controls on scoria cone eruptions. Revista Mexicana De Ciencias Geologicas, 2021, 38, 101-121.	0.4	3
10	Stratigraphy and radiocarbon ages of late-Holocene Las Derrumbadas rhyolitic domes and surrounding vents in the Serdın-Oriental basin (Mexico): Implications for archeology, biology, and hazard assessment. Holocene, 2020, 30, 402-419.	1.7	12
11	Crystals reveal magma convection and melt transport in dyke-fed eruptions. Scientific Reports, 2020, 10, 11632.	3.3	16
12	The ~ AD 500700 (Late Classic) El Astillero and El Pedregal volcanoes (Michoacn, Mexico): a new monogenetic cluster in the making?. Bulletin of Volcanology, 2019, 81, 1.	3.0	18
13	¹⁴ C and ⁴⁰ Ar/ ³⁹ Ar radiometric dating and geologic setting of young lavas of Rancho Seco and Mazcuta volcanoes hosting archaeological sites at the margins of the Ptzcuaro and Zacapu lake basins (central Michoacn, Mexico). Journal of Volcanology and Geothermal Research, 2019, 388, 106674.	2.1	10
14	Ceboruco hazard map: part II modeling volcanic phenomena and construction of the general hazard map. Natural Hazards, 2019, 96, 893-933.	3.4	13
15	Late-Quaternary secular variation data from Mexican volcanoes. Earth and Planetary Science Letters, 2019, 519, 28-39.	4.4	18
16	Petrographic, Geochemical and Isotopic (SrNdPbOs) Study of Plio-Quaternary Volcanics and the Tertiary Basement in the Jorullo-Tacmbaro Area, Michoacn-Guanajuato Volcanic Field, Mexico. Journal of Petrology, 2019, 60, 2317-2338.	2.8	8
17	Ceboruco hazard map: part I - definition of hazard scenarios based on the eruptive history. Journal of Applied Volcanology, 2019, 8, .	2.0	9
18	A re-interpretation of the petrogenesis of Paricutin volcano: Distinguishing crustal contamination from mantle heterogeneity. Chemical Geology, 2019, 504, 66-82.	3.3	31

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19	Paleomagnetic constraints on the ages of the Holocene Malpa�s de Zacapu lava flow eruptions, Michoac�n (M�xico): Implications for archeology and volcanic hazards. <i>Holocene</i> , 2018, 28, 229-245.	1.7	25
20	Geology and radiometric dating of Quaternary monogenetic volcanism in the western Zacapu lacustrine basin (Michoac�n, M�xico): implications for archeology and future hazard evaluations. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	3.0	32
21	Paleomagnetic study of El Metate shield volcano (Michoac�n, Mexico) confirms its monogenetic nature and young age (~ 1250 CE). <i>Journal of Volcanology and Geothermal Research</i> , 2017, 336, 209-218.	2.1	26
22	The ~ 23,500 y 14 C BP White Pumice Plinian eruption and associated debris avalanche and Tochimilco lava flow of Popocatepetl volcano, M�xico. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 333-334, 66-95.	2.1	40
23	The other stone. Dacite quarries and workshops in the prehispanic Tarascan territory, Michoac�n, Mexico. <i>Journal of Archaeological Science: Reports</i> , 2017, 12, 219-231.	0.5	3
24	Compositional and volumetric development of a monogenetic lava flow field: The historical case of Paricutin (Michoac�n, Mexico). <i>Journal of Volcanology and Geothermal Research</i> , 2017, 348, 36-48.	2.1	23
25	Paleomagnetically inferred ages of a cluster of Holocene monogenetic eruptions in the Tac�mbaro-Puruar�n area (Michoac�n, M�xico): Implications for volcanic hazards. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 347, 360-370.	2.1	26
26	Temporal and compositional evolution of Jorullo volcano, Mexico: Implications for magmatic processes associated with a monogenetic eruption. <i>Chemical Geology</i> , 2016, 434, 62-80.	3.3	28
27	The AD 1250 El Metate shield volcano (Michoac�n): Mexico's most voluminous Holocene eruption and its significance for archaeology and hazards. <i>Holocene</i> , 2016, 26, 471-488.	1.7	34
28	Geological and environmental controls on the change of eruptive style (phreatomagmatic to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 392 volcanoes around the Zacapu basin (Michoac�n, M�xico). <i>Journal of Volcanology and Geothermal Research</i> , 2016, 318, 114-133.	2.1	32
29	The �1/4AD 1250 effusive eruption of El Metate shield volcano (Michoac�n, Mexico): magma source, crustal storage, eruptive dynamics, and lava rheology. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	3.0	36
30	Volcanic stratigraphy of a high-altitude <i>Mammuthus columbi</i> (Tlacotenco, Sierra Chichinautzin), Central M�xico. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	17
31	Skarn xenolith record crustal CO2 liberation during Pompeii and Pollena eruptions, Vesuvius volcanic system, central Italy. <i>Chemical Geology</i> , 2015, 415, 17-36.	3.3	37
32	Late Pleistocene Alberca de Guadalupe maar volcano (Zacapu basin, Michoac�n): Stratigraphy, tectonic setting, and paleo-hydrogeological environment. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 304, 214-236.	2.1	38
33	Paleomagnetic secular variation study of Ar�-Ar dated lavas flows from Tacambaro area (Central) Tj ETQq1 1 0.784314 rgBT /Overlock Earth and Planetary Interiors, 2014, 229, 98-109.	1.9	9
34	Long-range hazard assessment of volcanic ash dispersal for a Plinian eruptive scenario at Popocatepetl volcano (Mexico): implications for civil aviation safety. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	16
35	"The Process of Melt Differentiation in Arc Volcanic Rocks: Insights from OIB-type Arc Magmas in the Central Mexican Volcanic Belt" by Straub et al., A Critical Comment. <i>Journal of Petrology</i> , 2013, 54, 1547-1550.	2.8	0
36	Reconstruction of the volcanic history of the Tac�mbaro-Puruar�n area (Michoac�n, M�xico) reveals high frequency of Holocene monogenetic eruptions. <i>Bulletin of Volcanology</i> , 2012, 74, 1187-1211.	3.0	62

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37	A caldera-forming eruption ~14,100±14Cyr BP at Popocatepetl volcano, México: Insights from eruption dynamics and magma mixing. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 213-214, 27-40.	2.1	55
38	Gas composition of Popocatepetl Volcano between 2007 and 2008: FTIR spectroscopic measurements of an explosive event and during quiescent degassing. <i>Earth and Planetary Science Letters</i> , 2011, 301, 502-510.	4.4	37
39	Geology and geochemistry of Pelagatos, Cerro del Agua, and Dos Cerros monogenetic volcanoes in the Sierra Chichinautzin Volcanic Field, south of México City. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 201, 143-162.	2.1	54
40	Geology, geochronology, and tectonic setting of the Jorullo Volcano region, Michoacán, México. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 201, 97-112.	2.1	60
41	Maars and scoria cones: the enigma of monogenetic volcanic fields. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 201, v-viii.	2.1	13
42	Surface ocean iron fertilization: The role of airborne volcanic ash from subduction zone and hot spot volcanoes and related iron fluxes into the Pacific Ocean. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	122
43	Substrate deformation associated with the Jocotitlán edifice collapse and debris avalanche deposit, Central México. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 197, 133-148.	2.1	20
44	Dynamics of the ca. 4965yr 14C BP "Ochre Pumice" Plinian eruption of Popocatepetl volcano, México. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 192, 212-231.	2.1	49
45	Eruptive style of the young high-Mg basaltic-andesite Pelagatos scoria cone, southeast of México City. <i>Bulletin of Volcanology</i> , 2009, 71, 859-880.	3.0	50
46	Deposition of a high-sulfidation Au assemblage from a magmatic volatile phase, Volcán Popocatepetl, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 170, 51-60.	2.1	33
47	Revised stratigraphy and eruption rates of Ceboruco stratovolcano and surrounding monogenetic vents (Nayarit, Mexico) from historical documents and new radiocarbon dates. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 176, 241-264.	2.1	37
48	Late Pleistocene-Holocene stratigraphy and radiocarbon dating of La Malinche volcano, Central Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 162, 20-42.	2.1	40
49	Comment on: Schmitt, A.K. et al. (2006): Eruption and magma crystallization ages of Las Tres Virgenes (Baja California) constrained by combined ²³⁰ Th/ ²³⁸ U and (^U - Th)/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
50	Geology and hydrogeochemistry of the Jungapeo CO ₂ -rich thermal springs, State of Michoacán, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 163, 1-33.	2.1	15
51	Volcanic hazards in the Mexico City metropolitan area from eruptions at Popocatepetl, Nevado de Toluca, and Jocotitlán stratovolcanoes and monogenetic scoria cones in the Sierra Chichinautzin Volcanic Field. , 2006, , .		17
52	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
53	Geology and radiocarbon ages of Tláloc, Tlacotenco, Cuauhtzin, Hijo del Cuauhtzin, Teuhtli, and Ocusacayo monogenetic volcanoes in the central part of the Sierra Chichinautzin, México. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 141, 225-243.	2.1	81
54	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

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55	Geochemistry, Sr ⁸⁷ /Nd isotope composition, and tectonic setting of Holocene Pelado, Guespalapa and Chichinautzin scoria cones, south of Mexico City. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 130, 197-226.	2.1	95
56	Pyroclastic Flow Hazard at Volc ³ Citlalt ³ petl. <i>Natural Hazards</i> , 2004, 33, 209-221.	3.4	28
57	Radiocarbon ages of Holocene Pelado, Guespalapa, and Chichinautzin scoria cones, south of Mexico City: implications for archaeology and future hazards. <i>Bulletin of Volcanology</i> , 2004, 66, 203-225.	3.0	99
58	The Quetzalapa Pumice: a voluminous late Pleistocene rhyolite deposit in the eastern Trans-Mexican Volcanic Belt. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 113, 177-212.	2.1	24
59	Gauging short-term volcanic hazards at Popocatepetl [Popocat' {e}petl]. <i>Eos</i> , 2001, 82, 185-185.	0.1	30
60	Passive infrared remote sensing evidence for large, intermittent CO ₂ emissions at Popocat ³ petl volcano, Mexico. <i>Chemical Geology</i> , 2001, 177, 133-156.	3.3	109
61	Passive infrared spectroscopic remote sensing of volcanic gases: Ground-based studies at White Island and Ruapehu, New Zealand, and Popocat ³ petl, Mexico. <i>Geophysical Monograph Series</i> , 2000, , 117-138.	0.1	15
62	Age and archaeological implications of Xitle volcano, southwestern Basin of Mexico-City. <i>Journal of Volcanology and Geothermal Research</i> , 2000, 104, 45-64.	2.1	142
63	Timing of the prehistoric eruption of Xitle Volcano and the abandonment of Cuicuilco Pyramid, Southern Basin of Mexico. <i>Geological Society Special Publication</i> , 2000, 171, 205-224.	1.3	15
64	Mammoth bones embedded in a late Pleistocene lahar from Popocat ³ petl volcano, near Tocuila, central M ³ xico. <i>Bulletin of the Geological Society of America</i> , 1999, 111, 1550-1562.	3.3	62
65	Passive infrared spectroscopy of the eruption plume at Popocat ³ petl volcano, Mexico. <i>Nature</i> , 1998, 396, 563-567.	27.8	117
66	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
67	Metal-residence sites in lavas and tuffs from Volc ³ Popocat ³ petl, Mexico: implications for metal mobility in the environment. <i>Environmental Geology</i> , 1998, 33, 197-208.	1.2	26
68	Geochemical surveillance of magmatic volatiles at Popocate ³ petl volcano, Mexico. <i>Bulletin of the Geological Society of America</i> , 1998, 110, 0695.	3.3	89
69	The giant Popocat ³ petl stirs. <i>Nature</i> , 1997, 388, 227-227.	27.8	42
70	Repeated volcanic disasters in Prehispanic time at Popocat ³ petl, central Mexico: Past key to the future?. <i>Geology</i> , 1996, 24, 399.	4.4	180
71	Submarine eruption near Socorro Island, Mexico: Geochemistry and scanning electron microscopy studies of floating scoria and reticulite. <i>Journal of Volcanology and Geothermal Research</i> , 1995, 68, 239-271.	2.1	60
72	Cerro Xalapaxco: an unusual tuff cone with multiple explosion craters, in central Mexico (Puebla). <i>Journal of Volcanology and Geothermal Research</i> , 1994, 63, 183-199.	2.1	23

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73	Major Holocene block-and-ash fan at the western slope of ice-capped Pico de Orizaba volcano, MÃ©xico: Implications for future hazards. <i>Journal of Volcanology and Geothermal Research</i> , 1993, 59, 1-33.	2.1	45
74	Morphology and emplacement of an unusual debris-avalanche deposit at JocotitlÃ¡n volcano, Central Mexico. <i>Bulletin of Volcanology</i> , 1992, 54, 573-589.	3.0	81
75	Field observations of pristine block- and ash-flow deposits emplaced April 16-17, 1991 at VolcÃ¡n de Colima, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 1991, 48, 399-412.	2.1	67
76	On the possible use of cinder cones and maars as palaeoclimatic indicators in the closed basin of Serdanoriental, Puebla, MÃ©xico. <i>Journal of Volcanology and Geothermal Research</i> , 1986, 28, 397-400.	2.1	11