

Hugo Delgado Granados

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,355
citations

279798

23
h-index

265206

42
g-index

47
all docs

47
docs citations

47
times ranked

2866
citing authors

#	ARTICLE	IF	CITATIONS
1	Historically unprecedented global glacier decline in the early 21st century. <i>Journal of Glaciology</i> , 2015, 61, 745-762.	2.2	561
2	Explosive dynamics of violent Strombolian eruptions: The eruption of Parícutin Volcano 1943–1952 (Mexico). <i>Earth and Planetary Science Letters</i> , 2008, 271, 359-368.	4.4	194
3	Magmatic volatile contents and degassing-induced crystallization at Volcán Jorullo, Mexico: Implications for melt evolution and the plumbing systems of monogenetic volcanoes. <i>Earth and Planetary Science Letters</i> , 2008, 269, 478-487.	4.4	139
4	Subduction-related Volatile Recycling and Magma Generation beneath Central Mexico: Insights from Melt Inclusions, Oxygen Isotopes and Geodynamic Models. <i>Journal of Petrology</i> , 2009, 50, 1729-1764.	2.8	128
5	Evaluation of ASTER and SRTM DEM data for lahar modeling: A case study on lahars from Popocatepetl Volcano, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 170, 99-110.	2.1	108
6	Sulfur dioxide emissions from Popocatepetl volcano (Mexico): case study of a high-emission rate, passively degassing erupting volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2001, 108, 107-120.	2.1	99
7	Mafic magma recharge supplies high CO ₂ and SO ₂ gas fluxes from Popocatepetl volcano, Mexico. <i>Geology</i> , 2009, 37, 107-110.	4.4	90
8	Magma eruption rates constrained by ⁴⁰ Ar/ ³⁹ Ar chronology and GIS for the Ceboruco–San Pedro volcanic field, western Mexico. <i>Bulletin of the Geological Society of America</i> , 2004, 116, 259.	3.3	83
9	Compositional evolution of magma from Parícutin Volcano, Mexico: The tephra record. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 197, 167-187.	2.1	68
10	Degassing of volatiles (H ₂ O, CO ₂ , S, Cl) during ascent, crystallization, and eruption at mafic monogenetic volcanoes in central Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 197, 225-238.	2.1	68
11	Energy consumption by magmatic fragmentation and pyroclast ejection during Vulcanian eruptions. <i>Earth and Planetary Science Letters</i> , 2010, 291, 60-69.	4.4	68
12	A Pliocene ignimbrite flare-up along the Tepic-Zacoalco rift: Evidence for the initial stages of rifting between the Jalisco block (Mexico) and North America. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 49-64.	3.3	67
13	SO ₂ emissions from Popocatepetl volcano: emission rates and plume imaging using optical remote sensing techniques. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 6655-6663.	4.9	67
14	The eruptive history of the Tequila volcanic field, western Mexico: ages, volumes, and relative proportions of lava types. <i>Bulletin of Volcanology</i> , 2005, 67, 391-414.	3.0	59
15	Volcán Tancitaro, Michoacán, Mexico, ⁴⁰ Ar/ ³⁹ Ar constraints on its history of sector collapse. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 161, 1-14.	2.1	58
16	On the absolute calibration of SO ₂ cameras. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 677-696.	3.1	54
17	Hazard map for volcanic ballistic impacts at Popocatepetl volcano (Mexico). <i>Bulletin of Volcanology</i> , 2012, 74, 2155-2169.	3.0	35
18	Volcanic eruption monitoring by thermal image correlation: Pixel offsets show episodic dome growth of the Colima volcano. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1408-1419.	3.4	35

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19	CO2 output discharged from Stromboli Island (Italy). <i>Chemical Geology</i> , 2013, 339, 52-60.	3.3	33
20	Contrasting volcanism in the Michoacán-Guanajuato Volcanic Field, central Mexico: Shield volcanoes vs cinder cones. <i>Geofísica Internacional</i> , 1994, 33, 125-138.	0.2	32
21	Synoptic analysis of a decade of daily measurements of SO ₂ emission in the troposphere from volcanoes of the global ground-based Network for Observation of Volcanic and Atmospheric Change. <i>Earth System Science Data</i> , 2021, 13, 1167-1188.	9.9	31
22	Impact of the eruptive activity on glacier evolution at Popocatepetl Volcano (Mexico) during 1994-2004. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 170, 86-98.	2.1	30
23	Chronicle of a death foretold: Extinction of the small-size tropical glaciers of Popocatepetl volcano (Mexico). <i>Global and Planetary Change</i> , 2007, 56, 13-22.	3.5	28
24	Assessing lahars from ice-capped volcanoes using ASTER satellite data, the SRTM DTM and two different flow models: case study on Iztaccáhuatl (Central Mexico). <i>Natural Hazards and Earth System Sciences</i> , 2008, 8, 559-571.	3.6	25
25	On the use of different spectral windows in DOAS evaluations: Effects on the estimation of SO ₂ emission rate and mixing ratios during strong emission of Popocatepetl volcano. <i>Chemical Geology</i> , 2017, 462, 67-73.	3.3	19
26	Early in-flight detection of SO ₂ via Differential Optical Absorption Spectroscopy: a feasible aviation safety measure to prevent potential encounters with volcanic plumes. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 1785-1804.	3.1	18
27	The glaciers of Popocatepetl volcano (Mexico): Changes and causes. <i>Quaternary International</i> , 1997, 43-44, 53-60.	1.5	17
28	Area changes of glaciers on active volcanoes in Latin America between 1986 and 2015 observed from multi-temporal satellite imagery. <i>Journal of Glaciology</i> , 2019, 65, 542-556.	2.2	17
29	Fast hazard evaluation employing digital photogrammetry: Popocatepetl glaciers, Mexico. <i>Geofísica Internacional</i> , 2003, 42, 275-283.	0.2	17
30	Volcanic emissions from Popocatepetl volcano, Mexico, quantified using Moderate Resolution Imaging Spectroradiometer (MODIS) infrared data: A case study of the December 2000-January 2001 emissions. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 170, 76-85.	2.1	16
31	Paleomagnetism of the Pleistocene Tequila Volcanic Field (Western Mexico). <i>Earth, Planets and Space</i> , 2006, 58, 1349-1358.	2.5	15
32	Late Cenozoic tectonics offshore western Mexico and its relation to the structure and volcanic activity in the western Trans-Mexican Volcanic Belt. <i>Geofísica Internacional</i> , 1993, 32, 543-559.	0.2	15
33	Pliocene to Holocene volcanic geology at the junction of Las Cruces, Chichinautzin and Ajusco ranges, southwest of Mexico City. <i>Geofísica Internacional</i> , 1993, 32, 511-522.	0.2	10
34	Three thousand years of flank and central vent eruptions of the San Salvador volcanic complex (El Tzuc) / Overlock 10 Tf 508 <i>Bulletin of Volcanology</i> , 2011, 73, 833-850.	3.0	8
35	Subsidencia y sus mapas de peligro: Un ejemplo en el Área nororiental de la Zona Metropolitana de la Ciudad de México. <i>Boletín De La Sociedad Geológica Mexicana</i> , 2011, 63, 53-60.	0.3	8
36	Distribution and current status of permafrost in the highest volcano in North America: Citlaltepétl (Pico de Orizaba), Mexico. <i>Geofísica Internacional</i> , 2020, 59, 39-53.	0.2	7

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37	Estimaci3n de la temperatura del aire en la alta monta3a mexicana mediante un modelo de elevaci3n del terreno: caso del volc3n Nevado de Toluca (M3xico) / Estimation of the air temperature in the Mexican high mountain environment by means of a model of elevation of the terrain, case of the Nevado de Toluca volcano (Mexico). Er3a, 2020, 2, 167-182.	0.1	4
38	Aortic mineralisation in children with congenital cardiac disease. <i>Cardiology in the Young</i> , 2011, 21, 551-555.	0.8	3
39	Estimaci3n de la temperatura basal del "Glaciar Norte" del volc3n Citlalt3petl, M3xico. Modelo para determinar la presencia de permafrost subglaciar. <i>Estudios Geograficos</i> , 2019, 80, 019.	0.3	3
40	Extreme Volcanic Risks 1. , 2015, , 315-354.		1
41	Evaluaci3n de la vulnerabilidad de edificaciones ante la g3nesis de lahares: Caso de estudio en la poblaci3n de Santiago Xalitzi, en el flanco NE del volc3n Popocatepetl (M3xico). <i>Boletín De La Sociedad Geologica Mexicana</i> , 2017, 69, 223-241.	0.3	1
42	Fechamiento arqueomagn3tico de flujos de lava del Holoceno provenientes del volc3n Ceboruco, occidente de M3xico. <i>Boletín De La Sociedad Geologica Mexicana</i> , 2019, 71, 445-455.	0.3	1
43	Total CO2 output and carbon origin discharged from Rinc3n de Parangueo Maar (M3xico). <i>Journal of Geochemical Exploration</i> , 2020, 215, 106558.	3.2	1
44	Reply to the comments by Kochtitzky and Edwards (2020) on the study "Area changes of glaciers on active volcanoes in Latin America" by Reinthaler and others (2019). <i>Journal of Glaciology</i> , 2020, 66, 887-888.	2.2	0
45	Comparaci3n del flujo de emisi3n de SO2 derivadas de COSPEC y MODIS y su complementariedad en el monitoreo volc3nico: Caso de estudio en el Volc3n Popocatepetl (M3xico). <i>Boletín De La Sociedad Geologica Mexicana</i> , 2018, 70, 709-729.	0.3	0
46	Comparaci3n de distintos m3todos de instalaci3n de mini data loggers en suelo de alta monta3a; una contribuci3n al estudio del ambiente periglacial / Comparison of different methods of installing mini data loggers in high mountain ground; a contribution to the study of the periglacial environment. <i>Er3a</i> , 2019, 2, 165-182.	0.1	0