Hugo Delgado Granados

List of Publications by Year
in descending order

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	Synoptic analysis of a decade of daily measurements of SO₂ emission in the troposphere from volcanoes of the global ground-based Network for Observation of Volcanic and Atmospheric Change. Earth System Science Data, 2021, 13, 1167-1188.	9.9	31
2	Reply to the comments by Kochtitzky and Edwards (2020) on the study â€˜Area changes of glaciers on active volcanoes in Latin Americaâ€™ by Reinthaler and others (2019). Journal of Glaciology, 2020, 66, 887-888.	2.2	0
3	EstimaciÃ³n de la temperatura del aire en la alta montaÃ±a mexicana mediante un modelo de elevaciÃ³n del terreno: caso del volcÃ¡n Nevado de Toluca (MÃ©xico) / 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). ErÃa, 2020, 2, 167-182.	0.1	4
4	Distribution and current status of permafrost in the highest volcano in North America: Citlaltepetl (Pico de Orizaba), Mexico. Geofisica International, 2020, 59, 39-53.	0.2	7
5	Total CO2 output and carbon origin discharged from RincÃ³n de Parangueo Maar (MÃ©xico). Journal of Geochemical Exploration, 2020, 215, 106558.	3.2	1
6	Area changes of glaciers on active volcanoes in Latin America between 1986 and 2015 observed from multi-temporal satellite imagery. Journal of Glaciology, 2019, 65, 542-556.	2.2	17
7	EstimaciÃ³n de la temperatura basal del â€œGlaciar Norteâ€•del volcÃ¡n CitlaltÃ©petl, MÃ©xico. Modelo para determinar la presencia de permafrost subglaciar. Estudios Geograficos, 2019, 80, 019.	0.3	3
8	Fechamiento arqueomagnÃ©tico de flujos de lava del Holoceno provenientes del volcÃ¡n Ceboruco, occidente de MÃ©xico. Boletin De La Sociedad Geologica Mexicana, 2019, 71, 445-455.	0.3	1
9	ComparaciÃ³n de distintos mÃ©todos de instalaciÃ³n de mini data loggers en suelo de alta montaÃ±a; una contribuciÃ³n al estudio del ambiente periglaciar / Comparison of different methods of installing mini data loggers in high mountain ground; a contribution to the study of the periglacial environment. ErÃa, 2019, 2, 165-182.	0.1	0
10	ComparaciÃ³n del flujo de emisiÃ³n de SO2 derivadas de COSPEC y MODIS y su complementariedad en el monitoreo volcÃ¡nico: Caso de estudio en el VolcÃ¡n PopocatÃ©petl (MÃ©xico). Boletin De La Sociedad Geologica Mexicana, 2018, 70, 709-729.	0.3	0
11	On the use of different spectral windows in DOAS evaluations: Effects on the estimation of SO2 emission rate and mixing ratios during strong emission of PopocatÃ©petl volcano. Chemical Geology, 2017, 462, 67-73.	3.3	19
12	EvaluaciÃ³n de la vulnerabilidad de edificaciones ante la gÃ©nesis de lahares: Caso de estudio en la poblaciÃ³n de Santiago Xalitzintla, en el flanco NE del volcÃ¡n PopocatÃ©petl (MÃ©xico). Boletin De La Sociedad Geologica Mexicana, 2017, 69, 223-241.	0.3	1
13	Historically unprecedented global glacier decline in the early 21st century. Journal of Glaciology, 2015, 61, 745-762.	2.2	561
14	Extreme Volcanic Risks 1. , 2015, , 315-354.		1
15	CO2 output discharged from Stromboli Island (Italy). Chemical Geology, 2013, 339, 52-60.	3.3	33
16	On the absolute calibration of SO₂ cameras. Atmospheric Measurement Techniques, 2013, 6, 677-696.	3.1	54
17	Volcanic eruption monitoring by thermal image correlation: Pixel offsets show episodic dome growth of the Colima volcano. Journal of Geophysical Research: Solid Earth, 2013, 118, 1408-1419.	3.4	35
18	Hazard map for volcanic ballistic impacts at PopocatÃ©petl volcano (Mexico). Bulletin of Volcanology, 2012, 74, 2155-2169.	3.0	35

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19	Three thousand years of flank and central vent eruptions of the San Salvador volcanic complex (El) Tj ETQq1 1 0.784314 rgBT /Overlo Bulletin of Volcanology, 2011, 73, 833-850.	3.0	8
20	Aortic mineralisation in children with congenital cardiac disease. Cardiology in the Young, 2011, 21, 551-555.	0.8	3
21	Early in-flight detection of SO₂ via Differential Optical Absorption Spectroscopy: a feasible aviation safety measure to prevent potential encounters with volcanic plumes. Atmospheric Measurement Techniques, 2011, 4, 1785-1804.	3.1	18
22	Subsidencia y sus mapas de peligro: Un ejemplo en el Ã¡rea nororiental de la Zona Metropolitana de la Ciudad de MÃ©xico. Boletin De La Sociedad Geologica Mexicana, 2011, 63, 53-60.	0.3	8
23	Compositional evolution of magma from ParÃcutin Volcano, Mexico: The tephra record. Journal of Volcanology and Geothermal Research, 2010, 197, 167-187.	2.1	68
24	Degassing of volatiles (H2O, CO2, S, Cl) during ascent, crystallization, and eruption at mafic monogenetic volcanoes in central Mexico. Journal of Volcanology and Geothermal Research, 2010, 197, 225-238.	2.1	68
25	Energy consumption by magmatic fragmentation and pyroclast ejection during Vulcanian eruptions. Earth and Planetary Science Letters, 2010, 291, 60-69.	4.4	68
26	Mafic magma recharge supplies high CO2 and SO2 gas fluxes from PopocatÃ©petl volcano, Mexico. Geology, 2009, 37, 107-110.	4.4	90
27	Subduction-related Volatile Recycling and Magma Generation beneath Central Mexico: Insights from Melt Inclusions, Oxygen Isotopes and Geodynamic Models. Journal of Petrology, 2009, 50, 1729-1764.	2.8	128
28	Evaluation of ASTER and SRTM DEM data for lahar modeling: A case study on lahars from PopocatÃ©petl Volcano, Mexico. Journal of Volcanology and Geothermal Research, 2008, 170, 99-110.	2.1	108
29	Volcanic emissions from PopocatÃ©petl volcano, Mexico, quantified using Moderate Resolution Imaging Spectroradiometer (MODIS) infrared data: A case study of the December 2000â€“January 2001 emissions. Journal of Volcanology and Geothermal Research, 2008, 170, 76-85.	2.1	16
30	Impact of the eruptive activity on glacier evolution at PopocatÃ©petl Volcano (MÃ©xico) during 1994â€“2004. Journal of Volcanology and Geothermal Research, 2008, 170, 86-98.	2.1	30
31	Magmatic volatile contents and degassing-induced crystallization at VolcÃ¡n Jorullo, Mexico: Implications for melt evolution and the plumbing systems of monogenetic volcanoes. Earth and Planetary Science Letters, 2008, 269, 478-487.	4.4	139
32	Explosive dynamics of violent Strombolian eruptions: The eruption of ParÃcutin Volcano 1943â€“1952 (Mexico). Earth and Planetary Science Letters, 2008, 271, 359-368.	4.4	194
33	SO₂ emissions from PopocatÃ©petl volcano: emission rates and plume imaging using optical remote sensing techniques. Atmospheric Chemistry and Physics, 2008, 8, 6655-6663.	4.9	67
34	Assessing lahars from ice-capped volcanoes using ASTER satellite data, the SRTM DTM and two different flow models: case study on IztaccÃhuatl (Central Mexico). Natural Hazards and Earth System Sciences, 2008, 8, 559-571.	3.6	25
35	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. Bulletin of the Geological Society of America, 2007, 119, 49-64.	3.3	67
36	Chronicle of a death foretold: Extinction of the small-size tropical glaciers of PopocatÃ©petl volcano (Mexico). Global and Planetary Change, 2007, 56, 13-22.	3.5	28

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37	VolcÃ¡n TancÃtaro, MichoacÃ¡n, Mexico, 40Ar/39Ar constraints on its history of sector collapse. Journal of Volcanology and Geothermal Research, 2007, 161, 1-14.	2.1	58
38	Paleomagnetism of the Pleistocene Tequila Volcanic Field (Western Mexico). Earth, Planets and Space, 2006, 58, 1349-1358.	2.5	15
39	The eruptive history of the Tequila volcanic field, western Mexico: ages, volumes, and relative proportions of lava types. Bulletin of Volcanology, 2005, 67, 391-414.	3.0	59
40	Magma eruption rates constrained by 40Ar/39Ar chronology and GIS for the Ceborucoâ€“San Pedro volcanic field, western Mexico. Bulletin of the Geological Society of America, 2004, 116, 259.	3.3	83
41	Fast hazard evaluation employing digital photogrammetry: PopocatÃ©petl glaciers, Mexico. Geofisica International, 2003, 42, 275-283.	0.2	17
42	Sulfur dioxide emissions from PopocatÃ©petl volcano (Mexico): case study of a high-emission rate, passively degassing erupting volcano. Journal of Volcanology and Geothermal Research, 2001, 108, 107-120.	2.1	99
43	The glaciers of PopocatÃ©petl volcano (Mexico): Changes and causes. Quaternary International, 1997, 43-44, 53-60.	1.5	17
44	Contrasting volcanism in the MichoacÃ¡n-Guanajuato Volcanic Field, central Mexico: Shield volcanoes vs cinder cones. Geofisica International, 1994, 33, 125-138.	0.2	32
45	Pliocene to Holocene volcanic geology at the junction of Las Cruces, Chichinautzin and Ajusto ranges, southwest of Mexico City. Geofisica International, 1993, 32, 511-522.	0.2	10
46	Late Cenozoic tectonics offshore western Mexico and its relation to the structure and volcanic activity in the western Trans-Mexican Volcanic Belt. Geofisica International, 1993, 32, 543-559.	0.2	15