

Germán Domingo Padilla Hernández

List of Publications by Year in descending order

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37
papers

772
citations

516710

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526287

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37
all docs

37
docs citations

37
times ranked

741
citing authors

#	ARTICLE	IF	CITATIONS
1	Global CO ₂ emission from volcanic lakes. <i>Geology</i> , 2011, 39, 235-238.	4.4	73
2	Diffusive helium emissions as a precursory sign of volcanic unrest. <i>Geology</i> , 2013, 41, 539-542.	4.4	72
3	Precursory diffuse CO ₂ and H ₂ S emission signatures of the 2011–2012 El Hierro submarine eruption, Canary Islands. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	70
4	Precursory Subsurface ²²² Rn and ²²⁰ Rn Degassing Signatures of the 2004 Seismic Crisis at Tenerife, Canary Islands. <i>Pure and Applied Geophysics</i> , 2007, 164, 2431-2448.	1.9	44
5	Soil gas radon emissions and volcanic activity at El Hierro (Canary Islands): The 2011–2012 submarine eruption. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 432-447.	2.5	43
6	Changes in the Diffuse CO ₂ Emission and Relation to Seismic Activity in and around El Hierro, Canary Islands. <i>Pure and Applied Geophysics</i> , 2008, 165, 95-114.	1.9	41
7	Spatial and temporal variations of diffuse CO ₂ degassing at El Hierro volcanic system: Relation to the 2011–2012 submarine eruption. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 6976-6991.	3.4	41
8	A magmatic source for fumaroles and diffuse degassing from the summit crater of Teide Volcano (Tenerife, Canary Islands): a geochemical evidence for the 2004–2005 seismic–volcanic crisis. <i>Bulletin of Volcanology</i> , 2012, 74, 1465-1483.	3.0	37
9	Geochemical evidence of magma intrusion inferred from diffuse CO ₂ emissions and fumarole plume chemistry: the 2010–2011 volcanic unrest at Taal Volcano, Philippines. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	3.0	37
10	Dynamics of diffuse carbon dioxide emissions from Cumbre Vieja volcano, La Palma, Canary Islands. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	30
11	An increasing trend of diffuse CO ₂ emission from Teide volcano (Tenerife, Canary) $T_j ETQq1 1 0.784314 \text{ rgBT /Overlock}$ <i>Bulletin of Volcanology</i> , 2015, 77, 1.	2.1	27
12	Diffuse volcanic gas emission and thermal energy release from the summit crater of Pico do Fogo, Cape Verde. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	26
13	Helium emission at Cumbre Vieja volcano, La Palma, Canary Islands. <i>Chemical Geology</i> , 2012, 312-313, 138-147.	3.3	23
14	A new method for estimating greenhouse gases and ammonia emissions from livestock buildings. <i>Atmospheric Environment</i> , 2013, 74, 10-17.	4.1	20
15	Surface geochemical and geophysical studies for geothermal exploration at the southern volcanic rift zone of Tenerife, Canary Islands, Spain. <i>Geothermics</i> , 2015, 55, 195-206.	3.4	19
16	Diffuse CO ₂ degassing and volcanic activity at Cape Verde islands, West Africa. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	16
17	Analysis of long- and short-term temporal variations of the diffuse CO ₂ emission from Timanfaya volcano, Lanzarote, Canary Islands. <i>Applied Geochemistry</i> , 2012, 27, 2486-2499.	3.0	15
18	Satellite and Ground Remote Sensing Techniques to Trace the Hidden Growth of a Lava Flow Field: The 2014–2015 Effusive Eruption at Fogo Volcano (Cape Verde). <i>Remote Sensing</i> , 2018, 10, 1115.	4.0	15

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19	Soil gas geochemistry in relation to eruptive fissures on Timanfaya volcano, Lanzarote Island (Canary) Tj ETQq1 1 0,784314 rgBT /Ovele	2.1	13
20	Geochemical evidences of seismo-volcanic unrests at the NW rift zone of Tenerife, Canary Islands, inferred from diffuse CO2 emission. Bulletin of Volcanology, 2017, 79, 1.	3.0	11
21	Multiscale Temporal and Spatial Estimation of the b-Value. Seismological Research Letters, 2021, 92, 3712-3724.	1.9	10
22	The 2016 Tenerife (Canary Islands) Long-Period Seismic Swarm. Journal of Geophysical Research: Solid Earth, 2019, 124, 8739-8752.	3.4	9
23	Magma emission rates from shallow submarine eruptions using airborne thermal imaging. Remote Sensing of Environment, 2014, 154, 219-225.	11.0	8
24	Carbon dioxide and helium dissolved gases in groundwater at central Tenerife Island, Canary Islands: chemical and isotopic characterization. Bulletin of Volcanology, 2015, 77, 1.	3.0	8
25	Anomalous Diffuse CO2 Emissions at the Masaya Volcano (Nicaragua) Related to Seismic-Volcanic Unrest. Pure and Applied Geophysics, 2014, 171, 1791-1804.	1.9	7
26	Geochemical evidence of different sources of long-period seismic events at Deception volcano, South Shetland Islands, Antarctica. Antarctic Science, 2015, 27, 557-565.	0.9	7
27	Aquifer Recharge Estimation through Atmospheric Chloride Mass Balance at Las Cañadas Caldera, Tenerife, Canary Islands, Spain. Water (Switzerland), 2015, 7, 2451-2471.	2.7	7
28	Exploration of deep-seated geothermal reservoirs in the Canary Islands by means of soil CO degassing surveys. Renewable Energy, 2021, 164, 1017-1028.	8.9	7
29	Changes in the Diffuse CO2 Emission and Relation to Seismic Activity in and around El Hierro, Canary Islands. , 2008, , 95-114.		7
30	Muography of 1949 fault in La Palma, Canary Islands, Spain. Annals of Geophysics, 2017, 60, .	1.0	7
31	Changes in Diffuse Degassing From the Summit Crater of Teide Volcano (Tenerife, Canary Islands) Prior to the 2016 Tenerife Long-Period Seismic Swarm. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020318.	3.4	6
32	Diffuse Helium and Hydrogen Degassing to Reveal Hidden Geothermal Resources in Oceanic Volcanic Islands: The Canarian Archipelago Case Study. Surveys in Geophysics, 2015, 36, 351-369.	4.6	5
33	Prospects of Autonomous Volcanic Monitoring Stations: Experimental Investigation on Thermoelectric Generation from Fumaroles. Sensors, 2020, 20, 3547.	3.8	5
34	On the Functional Expression of Frequency-Magnitude Distributions: A Comprehensive Statistical Examination. Bulletin of the Seismological Society of America, 2019, 109, 482-486.	2.3	4
35	Insights from Fumarole Gas Geochemistry on the Recent Volcanic Unrest of Pico do Fogo, Cape Verde. Frontiers in Earth Science, 2021, 9, .	1.8	2
36	Reply to comment from Dominguez Cerdeña et al. (2017) on "Geochemical evidences of seismo-volcanic unrests at the NW rift-zone of Tenerife, Canary Islands, inferred from diffuse CO2 emission" by Hernandez et al. [Bull. Volcanol. (2017), 79:30]. Bulletin of Volcanology, 2018, 80, 1.	3.0	0

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37	Precursory Subsurface ^{222}Rn and ^{220}Rn Degassing Signatures of the 2004 Seismic Crisis at Tenerife, Canary Islands. , 2007, , 2431-2448.		0