GermÃ¡n Domingo Padilla HernÃ¡ndez

List of Publications by Year
in descending order

37 papers	772 citations	516710 16 h-index	526287 27 g-index
37 all docs	37 docs citations	37 times ranked	741 citing authors

#	Article	IF	Citations
1	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
2	Changes in Diffuse Degassing From the Summit Crater of Teide Volcano (Tenerife, Canary Islands) Prior to the 2016 Tenerife Longâ€Period Seismic Swarm. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020318.	3.4	6
3	Multiscale Temporal and Spatial Estimation of the b-Value. Seismological Research Letters, 2021, 92, 3712-3724.	1.9	10
4	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
5	Prospects of Autonomous Volcanic Monitoring Stations: Experimental Investigation on Thermoelectric Generation from Fumaroles. Sensors, 2020, 20, 3547.	3.8	5
6	The 2016 Tenerife (Canary Islands) Longâ€Period Seismic Swarm. Journal of Geophysical Research: Solid Earth, 2019, 124, 8739-8752.	3.4	9
7	On the Functional Expression of Frequencyâ€“Magnitude Distributions: A Comprehensive Statistical Examination. Bulletin of the Seismological Society of America, 2019, 109, 482-486.	2.3	4
8	Reply to comment from Dominguez CerdeÃ±a et al. (2017) on â€œGeochemical evidences of seismo-volcanic unrests at the NW rift-zone of Tenerife, Canary Islands, inferred from diffuse CO2 emissionâ€•by HernÃ¡ndez et al. [Bull. Volcanol. (2017), 79:30]. Bulletin of Volcanology, 2018, 80, 1.	3.0	0
9	Satellite and Ground Remote Sensing Techniques to Trace the Hidden Growth of a Lava Flow Field: The 2014â€“2015 Effusive Eruption at Fogo Volcano (Cape Verde). Remote Sensing, 2018, 10, 1115.	4.0	15
10	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
11	Muography of 1949 fault in La Palma, Canary Islands, Spain. Annals of Geophysics, 2017, 60, .	1.0	7
12	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
13	Aquifer Recharge Estimation through Atmospheric Chloride Mass Balance at Las CaÃ±adas Caldera, Tenerife, Canary Islands, Spain. Water (Switzerland), 2015, 7, 2451-2471.	2.7	7
14	Diffuse CO2 degassing and volcanic activity at Cape Verde islands, West Africa. Earth, Planets and Space, 2015, 67, .	2.5	16
15	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
16	Diffuse volcanic gas emission and thermal energy release from the summit crater of Pico do Fogo, Cape Verde. Bulletin of Volcanology, 2015, 77, 1.	3.0	26
17	Dynamics of diffuse carbon dioxide emissions from Cumbre Vieja volcano, La Palma, Canary Islands. Bulletin of Volcanology, 2015, 77, 1.	3.0	30
18	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

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19	Surface geochemical and geophysical studies for geothermal exploration at the southern volcanic rift zone of Tenerife, Canary Islands, Spain. Geothermics, 2015, 55, 195-206.	3.4	19
20	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
21	Magma emission rates from shallow submarine eruptions using airborne thermal imaging. Remote Sensing of Environment, 2014, 154, 219-225.	11.0	8
22	Spatial and temporal variations of diffuse CO₂ degassing at El Hierro volcanic system: Relation to the 2011â€“2012 submarine eruption. Journal of Geophysical Research: Solid Earth, 2014, 119, 6976-6991.	3.4	41
23	Soil gas geochemistry in relation to eruptive fissures on Timanfaya volcano, Lanzarote Island (Canary) Tj ETQq1 1 0.784314 rgBT /Ove	2.1	13
24	Soil gas radon emissions and volcanic activity at El Hierro (Canary Islands): The 2011â€2012 submarine eruption. Geochemistry, Geophysics, Geosystems, 2013, 14, 432-447.	2.5	43
25	A new method for estimating greenhouse gases and ammonia emissions from livestock buildings. Atmospheric Environment, 2013, 74, 10-17.	4.1	20
26	Geochemical evidence of magma intrusion inferred from diffuse CO2 emissions and fumarole plume chemistry: the 2010â€“2011 volcanic unrest at Taal Volcano, Philippines. Bulletin of Volcanology, 2013, 75, 1.	3.0	37
27	An increasing trend of diffuse CO ₂ emission from Teide volcano (Tenerife, Canary) Tj ETQq1 1 0.784314 rgBT /Overlock 10 170, 585-592.	2.1	27
28	Diffusive helium emissions as a precursory sign of volcanic unrest. Geology, 2013, 41, 539-542.	4.4	72
29	A magmatic source for fumaroles and diffuse degassing from the summit crater of Teide Volcano (Tenerife, Canary Islands): a geochemical evidence for the 2004â€“2005 seismicâ€“volcanic crisis. Bulletin of Volcanology, 2012, 74, 1465-1483.	3.0	37
30	Helium emission at Cumbre Vieja volcano, La Palma, Canary Islands. Chemical Geology, 2012, 312-313, 138-147.	3.3	23
31	Precursory diffuse CO₂ and H₂S emission signatures of the 2011â€“2012 El Hierro submarine eruption, Canary Islands. Geophysical Research Letters, 2012, 39, .	4.0	70
32	Analysis of long- and short-term temporal variations of the diffuse CO2 emission from Timanfaya volcano, Lanzarote, Canary Islands. Applied Geochemistry, 2012, 27, 2486-2499.	3.0	15
33	Global CO2 emission from volcanic lakes. Geology, 2011, 39, 235-238.	4.4	73
34	Changes in the Diffuse CO2 Emission and Relation to Seismic Activity in and around El Hierro, Canary Islands. Pure and Applied Geophysics, 2008, 165, 95-114.	1.9	41
35	Changes in the Diffuse CO2 Emission and Relation to Seismic Activity in and around El Hierro, Canary Islands. , 2008, , 95-114.		7
36	Precursory Subsurface 222Rn and 220Rn Degassing Signatures of the 2004 Seismic Crisis at Tenerife, Canary Islands. Pure and Applied Geophysics, 2007, 164, 2431-2448.	1.9	44

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