

Joan Marti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9062935/publications.pdf>

Version: 2024-02-01

218
papers

7,394
citations

43973

48
h-index

82410

72
g-index

238
all docs

238
docs citations

238
times ranked

3982
citing authors

#	ARTICLE	IF	CITATIONS
1	Basement and cover architecture in the Central Pyrenees constrained by gravity data. <i>International Journal of Earth Sciences</i> , 2022, 111, 641-658.	0.9	5
2	Stratigraphy and eruptive history of the complex Puig de La Banya del Boc monogenetic volcano, Garrotxa Volcanic Field. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 423, 107460.	0.8	6
3	Pre-Eruptive Conditions and Dynamics Recorded in Banded Pumices from the El Abrigo Caldera-Forming Eruption (Tenerife, Canary Islands). <i>Journal of Petrology</i> , 2022, 63, .	1.1	6
4	The Volcanic Hazards of Jan Mayen Island (North-Atlantic). <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	1
5	Tenerife, a complex end member of basaltic oceanic island volcanoes, with explosive polygenetic phonolitic calderas, and phonolitic-basaltic stratovolcanoes. <i>Earth-Science Reviews</i> , 2022, 230, 103990.	4.0	12
6	Towards a Digital Twin of the Earth System: Geo-Soft-CoRe, a Geoscientific Software & Code Repository. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	1
7	Petrophysical Characterization of Non-Magnetic Granites; Density and Magnetic Susceptibility Relationships. <i>Geosciences (Switzerland)</i> , 2022, 12, 240.	1.0	2
8	Volcanotectonics: the tectonics and physics of volcanoes and their eruption mechanics. <i>Bulletin of Volcanology</i> , 2022, 84, .	1.1	7
9	The historical case of Parícutin volcano (Michoacán, México): challenges of simulating lava flows on a gentle slope during a long-lasting eruption. <i>Natural Hazards</i> , 2021, 107, 809-829.	1.6	5
10	Graben type calderas: The Bolaños case, Sierra Madre Occidental, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 417, 107315.	0.8	5
11	Pre-eruptive conditions at satellite vent eruptions at Teide-Pico Viejo complex (Tenerife, Canary) Tj ETQq1 1 0.784314 rgBT /Qverlock 10	0.6	4
12	Cascading Effects of Extreme Geohazards on Tenerife (Canary Islands). <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022294.	1.4	4
13	Eruptive evolution and 3D geological modeling of Camp dels Ninots maar-diatreme (Catalonia) through continuous intra-crater drill coring. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 419, 107369.	0.8	4
14	Four decades of geophysical research on Iberia and adjacent margins. <i>Earth-Science Reviews</i> , 2021, 222, 103841.	4.0	8
15	Gravity data on the Central Pyrenees: a step forward to help a better understanding of the Pyrenean structures. <i>Journal of Maps</i> , 2021, 17, 750-759.	1.0	4
16	Nb and REE Distribution in the Monte Verde Carbonatite "Alkaline" Aegpaitic Complex (Angola). <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 5.	0.8	8
17	Eruptive chronology of the Acoculco caldera complex "A resurgent caldera in the eastern Trans-Mexican Volcanic Belt (México). <i>Journal of South American Earth Sciences</i> , 2020, 98, 102412.	0.6	20
18	Identification, cataloguing and preservation of outcrops of geological interest in monogenetic volcanic fields: the case of La Garrotxa Volcanic Zone Natural Park. <i>Geoheritage</i> , 2020, 12, 1.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Controls of magma chamber zonation on eruption dynamics and deposits stratigraphy: The case of El Palomar fallout succession (Tenerife, Canary Islands). <i>Journal of Volcanology and Geothermal Research</i> , 2020, 399, 106908.	0.8	9
20	Characteristics and emplacement mechanisms of the CoranzulÃ-ignimbrites (Central Andes). <i>Sedimentary Geology</i> , 2020, 405, 105699.	1.0	9
21	Making a qualitative volcanic-hazards map by combining simulated scenarios: An example for San Miguel Volcano (El Salvador). <i>Journal of Volcanology and Geothermal Research</i> , 2020, 395, 106837.	0.8	7
22	Las CaÃ±adas caldera, Tenerife, Canary Islands: A review, or the end of a long volcanological controversy. <i>Earth-Science Reviews</i> , 2019, 196, 102889.	4.0	24
23	Gravimetric study of the shallow basaltic plumbing system of Tenerife, Canary Islands. <i>Physics of the Earth and Planetary Interiors</i> , 2019, 297, 106319.	0.7	9
24	Lamprophyre-Carbonatite Magma Mingling and Subsolidus Processes as Key Controls on Critical Element Concentration in Carbonatitesâ€”The Bonga Complex (Angola). <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 601.	0.8	9
25	The Deterioration of Geoh heritage in the Central Spanish Volcanic Region by Open-Pit Mining. <i>Geoh heritage</i> , 2019, 11, 1903-1917.	1.5	7
26	Estimating exposure around San Miguel Volcano, El Salvador. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 386, 106675.	0.8	2
27	Deciphering the evolution of Deception Islandâ€™s magmatic system. <i>Scientific Reports</i> , 2019, 9, 373.	1.6	33
28	The Neogene-Quaternary Alkaline Volcanism of Iberia. <i>Regional Geology Reviews</i> , 2019, , 167-182.	1.2	4
29	Geomorphological evolution and chronology of the eruptive activity of the Columba and Cuevas volcanoes (Campo de Calatrava Volcanic Field, Ciudad Real, Central Spain). <i>Geomorphology</i> , 2019, 336, 52-64.	1.1	6
30	Topographical controls on smallâ€”volume pyroclastic flows. <i>Sedimentology</i> , 2019, 66, 2297-2317.	1.6	14
31	New late Middle to early Late Ordovician Uâ€”Pb zircon ages of extension-related felsic volcanic rocks in the Eastern Pyrenees (NE Iberia): tectonic implications. <i>Geological Magazine</i> , 2019, 156, 1783-1792.	0.9	14
32	Dynamics of caldera collapse during the CoranzulÃ-eruption (6.6â€”Ma) (Central Andes, Argentina). <i>Journal of Volcanology and Geothermal Research</i> , 2019, 374, 1-12.	0.8	14
33	Geology of the late Pliocene â€” Pleistocene Aocolcal caldera complex, eastern Trans-Mexican Volcanic Belt (MÃ©xico). <i>Journal of Maps</i> , 2019, 15, 8-18.	1.0	33
34	Spatio-temporal hazard estimation in San Miguel volcano, El Salvador. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 358, 171-183.	0.8	6
35	Volcanic stratigraphy: A review. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 68-91.	0.8	59
36	Impact of volcanism on the sedimentary record of the NeuquÃ©n rift basin, Argentina: towards a cause and effect model. <i>Basin Research</i> , 2018, 30, 311-335.	1.3	16

#	ARTICLE	IF	CITATIONS
37	Proposal for an initial development strategy for the Borinquen geothermal zone (Cañas Dulces, Costa). <i>Tectonophysics</i> , 2017, 712-713, 72-81.	1.0	14
38	Susceptibility of intrusion-related landslides at volcanic islands: the Stromboli case study. <i>Landslides</i> , 2018, 15, 21-29.	2.7	23
39	A retrospective study of the pre-eruptive unrest on El Hierro (Canary Islands): implications of seismicity and deformation in the short-term volcanic hazard assessment. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 1759-1770.	1.5	4
40	Geotourism at the Natural Park of La Garrotxa Volcanic Zone (Catalonia, Spain): Impact, Viability, and Sustainability. <i>Geosciences (Switzerland)</i> , 2018, 8, 295.	1.0	19
41	Construction and degradation of a broad volcanic massif: The Vicuña Pampa volcanic complex, southern Central Andes, NW Argentina. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 750-766.	1.6	7
42	Structural interpretation of El Hierro (Canary Islands) rifts system from gravity inversion modelling. <i>Tectonophysics</i> , 2017, 712-713, 72-81.	0.9	6
43	Remarkable variability in dyke features at the Vicuña Pampa Volcanic Complex, Southern Central Andes. <i>Terra Nova</i> , 2017, 29, 224-232.	0.9	3
44	Stress barriers controlling lateral migration of magma revealed by seismic tomography. <i>Scientific Reports</i> , 2017, 7, 40757.	1.6	28
45	Basaltic ignimbrites in monogenetic volcanism: the example of La Garrotxa volcanic field. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	1.1	15
46	Early signs of geodynamic activity before the 2011-2012 El Hierro eruption. <i>Journal of Geodynamics</i> , 2017, 104, 1-14.	0.7	7
47	Probabilistic E-tools for Hazard Assessment and Risk Management. <i>Advances in Volcanology</i> , 2017, , 47-61.	0.7	3
48	Causes of complexity in a fallout dominated plinian eruption sequence: 312 ka Fasnía Member, Diego Hernández Formation, Tenerife, Spain. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 345, 21-45.	0.8	14
49	Driving magma to the surface: The 2011-2012 El Hierro Volcanic Eruption. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3165-3184.	1.0	9
50	Imaging the complex geometry of a magma reservoir using FEM-based linear inverse modeling of InSAR data: application to Rabaul Caldera, Papua New Guinea. <i>Geophysical Journal International</i> , 2017, 209, 1746-1760.	1.0	9
51	Geological Setting of La Garrotxa Volcanic Field. <i>Volcanic Tourist Destinations</i> , 2017, , 27-43.	0.2	1
52	Geosites and Geotineraries. <i>Volcanic Tourist Destinations</i> , 2017, , 69-83.	0.2	0
53	Volcanic Geoheritage. <i>Geoheritage</i> , 2017, 9, 251-254.	1.5	59
54	Using Statistics to Quantify and Communicate Uncertainty During Volcanic Crises. <i>Advances in Volcanology</i> , 2017, , 571-583.	0.7	0

#	ARTICLE	IF	CITATIONS
55	Assessing qualitative long-term volcanic hazards at Lanzarote Island (Canary Islands). <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1145-1157.	1.5	19
56	Assessing Volcanic Hazard. , 2017, , .		2
57	Stress Field Control during Large Caldera-Forming Eruptions. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	16
58	Stress Controls of Monogenetic Volcanism: A Review. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	32
59	Eruptive shearing of tube pumice: pure and simple. <i>Solid Earth</i> , 2016, 7, 1383-1393.	1.2	22
60	Dust storms, volcanic ash hurricanes, and turbidity currents: physical similarities and differences with emphasis on flow temperature. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	20
61	Volcano-structure of El Hierro (Canary Islands). <i>Journal of Maps</i> , 2016, 12, 43-52.	1.0	21
62	First-order estimate of the Canary Islands plate-scale stress field: Implications for volcanic hazard assessment. <i>Tectonophysics</i> , 2016, 679, 125-139.	0.9	21
63	Subsidence and current strain patterns on Tenerife Island (Canary Archipelago, Spain) derived from continuous GNSS time series (2008â€“2015). <i>Journal of Volcanology and Geothermal Research</i> , 2016, 327, 240-248.	0.8	5
64	The Borinquen geothermal system (CaÃ±as Dulces caldera, Costa Rica). <i>Geothermics</i> , 2016, 64, 410-425.	1.5	12
65	ST-HASSET for volcanic hazard assessment: A Python tool for evaluating the evolution of unrest indicators. <i>Computers and Geosciences</i> , 2016, 93, 77-87.	2.0	9
66	Reconstructing the eruptive history of a monogenetic volcano through a combination of fieldwork and geophysical surveys: the example of Puig d'Ã€dri (Garrotxa Volcanic Field). <i>Journal of the Geological Society</i> , 2016, 173, 875-888.	0.9	16
67	A scale for ranking volcanoes by risk. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	1.1	14
68	Modeling magmatic accumulations in the upper crust: Metamorphic implications for the country rock. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 319, 78-92.	0.8	10
69	Years to weeks of seismic unrest and magmatic intrusions precede monogenetic eruptions. <i>Geology</i> , 2016, 44, 211-214.	2.0	50
70	Multiparametric statistical investigation of seismicity occurred at El Hierro (Canary Islands) from 2011 to 2014. <i>Tectonophysics</i> , 2016, 672-673, 121-128.	0.9	30
71	Geochronological constraints on the evolution of El Hierro (Canary Islands). <i>Journal of African Earth Sciences</i> , 2016, 113, 88-94.	0.9	12
72	Enhancing Safety in a Volcano's Shadow. <i>Eos</i> , 2016, 97, .	0.1	4

#	ARTICLE	IF	CITATIONS
73	Preliminary assessment for the use of VORIS as a tool for rapid lava flow simulation at Goma Volcano Observatory, Democratic Republic of the Congo. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 2391-2400.	1.5	3
74	Evaluating Topographic Effects on Ground Deformation: Insights from Finite Element Modeling. <i>Surveys in Geophysics</i> , 2015, 36, 513-548.	2.1	10
75	Fractal Analysis of Enclaves as a New Tool for Estimating Rheological Properties of Magmas During Mixing: The Case of Montaña Reventada (Tenerife, Canary Islands). <i>Pure and Applied Geophysics</i> , 2015, 172, 1803-1814.	0.8	8
76	Multifractal investigation of continuous seismic signal recorded at El Hierro volcano (Canary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	0.9	14
77	Volcano-structural analysis of La Garrotxa Volcanic Field (NE Iberia): Implications for the plumbing system. <i>Tectonophysics</i> , 2015, 642, 58-70.	0.9	43
78	Studying monogenetic volcanoes with a terrestrial laser scanner: case study at Croscaat volcano (Garrotxa Volcanic Field, Spain). <i>Bulletin of Volcanology</i> , 2015, 77, 1.	1.1	9
79	Probabilistic approach to decision-making under uncertainty during volcanic crises: retrospective application to the El Hierro (Spain) 2011 volcanic crisis. <i>Natural Hazards</i> , 2015, 76, 979-998.	1.6	19
80	Hazard assessment at the Quaternary La Garrotxa Volcanic Field (NE Iberia). <i>Natural Hazards</i> , 2015, 78, 1349-1367.	1.6	14
81	Short-term volcanic hazard assessment through Bayesian inference: retrospective application to the Pinatubo 1991 volcanic crisis. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 290, 1-11.	0.8	24
82	Three-armed rifts or masked radial pattern of eruptive fissures? The intriguing case of El Hierro volcano (Canary Islands). <i>Tectonophysics</i> , 2015, 647-648, 33-47.	0.9	36
83	Structure of the Pliocene Camp dels Ninots maar-diatreme (Catalan Volcanic Zone, NE Spain). <i>Bulletin of Volcanology</i> , 2015, 77, 1.	1.1	12
84	3D Attenuation Tomography of the Volcanic Island of Tenerife (Canary Islands). <i>Surveys in Geophysics</i> , 2015, 36, 693-716.	2.1	30
85	Timing of Magmatic Processes and Unrest Associated with Mafic Historical Monogenetic Eruptions in Tenerife Island. <i>Journal of Petrology</i> , 2015, 56, 1945-1966.	1.1	46
86	Stratigraphic correlation of Holocene phonolitic explosive episodes of the Teide-Pico Viejo Volcanic Complex, Tenerife. <i>Journal of the Geological Society</i> , 2014, 171, 375-387.	0.9	8
87	Stratigraphy and structure of the Cañas Dulces caldera (Costa Rica). <i>Bulletin of the Geological Society of America</i> , 2014, 126, 1465-1480.	1.6	13
88	Phreatomagmatic volcanism in complex hydrogeological environments: La Crosa de Sant Dalmai maar (Catalan Volcanic Zone, NE Spain). , 2014, 10, 170-184.		26
89	The 1970 eruption on Deception Island (Antarctica): eruptive dynamics and implications for volcanic hazards. <i>Journal of the Geological Society</i> , 2014, 171, 765-778.	0.9	28
90	Volcanic stratigraphy of the Quaternary La Garrotxa Volcanic Field (north-east Iberian Peninsula). <i>Journal of Quaternary Science</i> , 2014, 29, 547-560.	1.1	29

#	ARTICLE	IF	CITATIONS
91	Long-term volcanic hazard assessment on El Hierro (Canary Islands). <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 1853-1870.	1.5	48
92	Volcanic hazard on Deception Island (South Shetland Islands, Antarctica). <i>Journal of Volcanology and Geothermal Research</i> , 2014, 285, 150-168.	0.8	71
93	Using the Fisher-Shannon method to characterize continuous seismic signal during volcanic eruptions: application to 2011-2012 El Hierro (Canary Islands) eruption. <i>Terra Nova</i> , 2014, 26, 425-429.	0.9	20
94	Chronological link between deep-seated processes in magma chambers and eruptions: Permo-Carboniferous magmatism in the core of Pangaea (Southern Pyrenees). <i>Gondwana Research</i> , 2014, 25, 290-308.	3.0	86
95	Structural control of monogenetic volcanism in the Garrotxa volcanic field (Northeastern Spain) from gravity and self-potential measurements. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	1.1	23
96	HASSET: a probability event tree tool to evaluate future volcanic scenarios using Bayesian inference. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	1.1	44
97	Volcanic tremors: Good indicators of change in plumbing systems during volcanic eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 273, 33-40.	0.8	26
98	A GIS-based methodology for the estimation of potential volcanic damage and its application to Tenerife Island, Spain. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 278-279, 40-58.	0.8	13
99	A new Volcanic management Risk Database design (VERDI): Application to El Hierro Island (Canary) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	0.8	6
100	Explosive felsic volcanism on El Hierro (Canary Islands). <i>Bulletin of Volcanology</i> , 2014, 76, 1.	1.1	11
101	Geophysical exploration on the subsurface geology of La Garrotxa monogenetic volcanic field (NE) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 21</i>	0.9	21
102	Applying Fractal Dimensions and Energy-Budget Analysis to Characterize Fracturing Processes During Magma Migration and Eruption: 2011-2012 El Hierro (Canary Islands) Submarine Eruption. <i>Surveys in Geophysics</i> , 2014, 35, 1023-1044.	2.1	19
103	Volcanic signatures in time gravity variations during the volcanic unrest on El Hierro (Canary) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 24</i>	1.4	24
104	Volcano-Stratigraphy of La Garrotxa Monogenetic Volcanic Field, Northeastern Spain. <i>Springer Geology</i> , 2014, , 1213-1216.	0.2	0
105	Evaluation of morphometry-based dating of monogenetic volcanoes—a case study from Bandas del Sur, Tenerife (Canary Islands). <i>Bulletin of Volcanology</i> , 2013, 75, 1.	1.1	32
106	Electrical resistivity tomography revealing the internal structure of monogenetic volcanoes. <i>Geophysical Research Letters</i> , 2013, 40, 2544-2549.	1.5	33
107	Formation of U-depleted rhyolite from a basanite at El Hierro, Canary Islands. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 601-622.	1.2	29
108	Origin and evolution of the Deception Island caldera (South Shetland Islands, Antarctica). <i>Bulletin of Volcanology</i> , 2013, 75, 1.	1.1	44

#	ARTICLE	IF	CITATIONS
109	Solid modeling techniques to build 3D finite element models of volcanic systems: An example from the Rabaul Caldera system, Papua New Guinea. <i>Computers and Geosciences</i> , 2013, 52, 325-333.	2.0	23
110	Stratigraphy, sedimentology and eruptive mechanisms in the tuff cone of El Golfo (Lanzarote, Canary) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tt</i>	1.1	23
111	Causes and mechanisms of the 2011-2012 El Hierro (Canary Islands) submarine eruption. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 823-839.	1.4	117
112	Correlation of Magma Evolution and Geophysical Monitoring during the 2011-2012 El Hierro (Canary) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tt</i>	1.1	78
113	Caldera events in a rift depocentre: an example from the Jurassic Neuqu�n basin, Argentina. <i>Journal of the Geological Society</i> , 2013, 170, 571-584.	0.9	10
114	QVAST: a new Quantum GIS plugin for estimating volcanic susceptibility. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 3031-3042.	1.5	60
115	Applying Benford's law to volcanology. <i>Geology</i> , 2012, 40, 327-330.	2.0	22
116	The 5,660-yr BP Boquer�n explosive eruption, Teide-Pico Viejo complex, Tenerife. <i>Bulletin of Volcanology</i> , 2012, 74, 2037-2050.	1.1	11
117	Aerodynamics of stratovolcanoes during multiphase processes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	23
118	Investigation of the inner structure of La Crosa de Sant Dalmai maar (Catalan Volcanic Zone, Spain). <i>Journal of Volcanology and Geothermal Research</i> , 2012, 247-248, 37-48.	0.8	29
119	Eruptive scenarios of phonolitic volcanism at Teide-Pico Viejo volcanic complex (Tenerife, Canary) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tt</i>	1.1	26
120	Improving and Facilitating Research on Collapse Calderas. <i>Eos</i> , 2011, 92, 53-54.	0.1	1
121	Volcanic hazard assessment for the Canary Islands (Spain) using extreme value theory. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 2741-2753.	1.5	34
122	Pyroclastic density currents from Teide-Pico Viejo (Tenerife, Canary Islands): implications for hazard assessment. <i>Terra Nova</i> , 2011, 23, 220-224.	0.9	15
123	The distribution of basaltic volcanism on Tenerife, Canary Islands: Implications on the origin and dynamics of the rift system, reply to the comment by Carracedo et al.. <i>Tectonophysics</i> , 2011, 503, 234-238.	0.9	4
124	Complex interaction between Strombolian and phreatomagmatic eruptions in the Quaternary monogenetic volcanism of the Catalan Volcanic Zone (NE of Spain). <i>Journal of Volcanology and Geothermal Research</i> , 2011, 201, 178-193.	0.8	73
125	Resolving problems with the origin of Las Ca�adas caldera (Tenerife, Canary Islands): Los Roques de Garc�a Formation-Part of a major debris avalanche or an in situ, stratified, edifice-building succession?. , 2010, , .		4
126	Magma storage conditions of the last eruption of Teide volcano (Canary Islands, Spain). <i>Bulletin of Volcanology</i> , 2010, 72, 381-395.	1.1	44

#	ARTICLE	IF	CITATIONS
127	The Cerro Aguas Calientes caldera, NW Argentina: An example of a tectonically controlled, polygenetic collapse caldera, and its regional significance. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 194, 15-26.	0.8	64
128	Methodology for the computation of volcanic susceptibility. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 195, 69-77.	0.8	54
129	Statistical data analysis of the CCDB (Collapse Caldera Database): Insights on the formation of caldera systems. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 198, 241-252.	0.8	18
130	Bayesian event tree for long-term volcanic hazard assessment: Application to Teide-Pico Viejo stratovolcanoes, Tenerife, Canary Islands. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	45
131	The distribution of basaltic volcanism on Tenerife, Canary Islands: Implications on the origin and dynamics of the rift systems. <i>Tectonophysics</i> , 2010, 483, 310-326.	0.9	42
132	Central vs flank eruptions at Teide-Pico Viejo twin stratovolcanoes (Tenerife, Canary Islands). <i>Journal of Volcanology and Geothermal Research</i> , 2009, 181, 47-60.	0.8	33
133	Stress fields controlling the formation of nested and overlapping calderas: Implications for the understanding of caldera unrest. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 181, 185-195.	0.8	21
134	Characterising unrest during the reawakening of the central volcanic complex on Tenerife, Canary Islands, 2004-2005, and implications for assessing hazards and risk mitigation. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 182, 23-33.	0.8	41
135	Time-dependent chamber and vent conditions during explosive caldera-forming eruptions. <i>Earth and Planetary Science Letters</i> , 2009, 280, 246-253.	1.8	28
136	Magma-tectonic interaction and the eruption of silicic batholiths. <i>Earth and Planetary Science Letters</i> , 2009, 284, 426-434.	1.8	59
137	Gravity-driven deformation of Tenerife measured by InSAR time series analysis. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	47
138	The new worldwide collapse caldera database (CCDB): A tool for studying and understanding caldera processes. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 175, 334-354.	0.8	111
139	Estimating building exposure and impact to volcanic hazards in Icod de los Vinos, Tenerife (Canary) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	28
140	Assessing the potential for future explosive activity from Teide-Pico Viejo stratovolcanoes (Tenerife,) Tj ETQq0 0 0 rgBT /Overlock 10	0.8	49
141	A long-term volcanic hazard event tree for Teide-Pico Viejo stratovolcanoes (Tenerife, Canary Islands). <i>Journal of Volcanology and Geothermal Research</i> , 2008, 178, 543-552.	0.8	54
142	Shallow structure beneath the Central Volcanic Complex of Tenerife from new gravity data: Implications for its evolution and recent reactivation. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 168, 212-230.	0.7	89
143	Experimental constraints on pre-eruptive conditions of phonolitic magma from the caldera-forming El Abrigo eruption, Tenerife (Canary Islands). <i>Chemical Geology</i> , 2008, 257, 173-191.	1.4	60
144	Chapter 3 The Use of Lithic Clast Distributions in Pyroclastic Deposits to Understand Pre- and Syn-Caldera Collapse Processes: A Case Study of the Abrigo Ignimbrite, Tenerife, Canary Islands. <i>Developments in Volcanology</i> , 2008, 10, 97-142.	0.5	22

#	ARTICLE	IF	CITATIONS
145	Chapter 6 A Review on Collapse Caldera Modelling. <i>Developments in Volcanology</i> , 2008, , 233-283.	0.5	48
146	Pre-eruptive conditions of the phonolitic magma from the El Abrigo caldera-forming eruption (Las Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2008, 3, 012013.	0.2	1
147	April 2007 collapse of Piton de la Fournaise: A new example of caldera formation. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	104
148	The late Quaternary Diego Hernandez Formation, Tenerife: Volcanology of a complex cycle of voluminous explosive phonolitic eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 160, 59-85.	0.8	89
149	Automatic GIS-based system for volcanic hazard assessment. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 166, 106-116.	0.8	110
150	A GIS-based methodology for hazard mapping of small volume pyroclastic density currents. <i>Natural Hazards</i> , 2007, 41, 99-112.	1.6	39
151	New evidence for the reawakening of Teide volcano. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	55
152	Conduit-vent structures and related proximal deposits in the Las Cañadas caldera, Tenerife, Canary Islands. <i>Bulletin of Volcanology</i> , 2006, 69, 217-231.	1.1	14
153	Instantaneous dynamic pressure effects on the behaviour of lithic boulders in pyroclastic flows: the Abrigo Ignimbrite, Tenerife, Canary Islands. <i>Bulletin of Volcanology</i> , 2006, 69, 265-279.	1.1	14
154	The influence of palaeotopography on facies architecture and pyroclastic flow processes of a lithic-rich ignimbrite in a high gradient setting: The Abrigo Ignimbrite, Tenerife, Canary Islands. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 152, 273-315.	0.8	51
155	Relationship between caldera collapse and magma chamber withdrawal: An experimental approach. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 157, 375-386.	0.8	110
156	The occurrence and origin of prominent massive, pumice-rich ignimbrite lobes within the Late Pleistocene Abrigo Ignimbrite, Tenerife, Canary Islands. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 139, 271-293.	0.8	19
157	Temporal evolution of flow conditions in sustained magmatic explosive eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 143, 153-172.	0.8	30
158	Graben structure in the Las Cañadas edifice (Tenerife, Canary Islands): implications for active degassing and insights on the caldera formation. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 144, 73-87.	0.8	24
159	Anticipating volcanic eruptions. , 2005, , 90-120.		6
160	Morphological and geological aspects related to large slope failures on oceanic islands. <i>Geomorphology</i> , 2004, 62, 143-158.	1.1	40
161	Geometrical and mechanical constraints on the formation of ring-fault calderas. <i>Earth and Planetary Science Letters</i> , 2004, 221, 215-225.	1.8	54
162	Petrology and Geochemistry of the Bandas del Sur Formation, Las Cañadas Edifice, Tenerife (Canary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 59	1.1	59

#	ARTICLE	IF	CITATIONS
163	Welding and rheomorphism of phonolitic fallout deposits from the Las Cañadas caldera, Tenerife, Canary Islands. <i>Bulletin of the Geological Society of America</i> , 2002, 114, 883-895.	1.6	31
164	Magnetotelluric study of the Las Cañadas caldera (Tenerife, Canary Islands): structural and hydrogeological implications. <i>Earth and Planetary Science Letters</i> , 2002, 204, 249-263.	1.8	75
165	A complex Quaternary ignimbrite-forming phonolitic eruption: the Poris Member of the Diego Hernández Formation (Tenerife, Canary Islands). <i>Journal of Volcanology and Geothermal Research</i> , 2002, 118, 99-130.	0.8	53
166	Numerical modeling of magma withdrawal during explosive caldera-forming eruptions. <i>Journal of Geophysical Research</i> , 2001, 106, 16163-16175.	3.3	16
167	Characterisation of a volcanic residual soil and its implications for large landslide phenomena: application to Tenerife, Canary Islands. <i>Engineering Geology</i> , 2001, 59, 115-132.	2.9	51
168	Formation of inversely graded basal layers in ignimbrites by progressive aggradation. <i>Journal of Volcanology and Geothermal Research</i> , 2001, 111, 25-33.	0.8	13
169	Ground deformation in a viscoelastic medium composed of a layer overlying a half-space: a comparison between point and extended sources. <i>Geophysical Journal International</i> , 2000, 140, 37-50.	1.0	49
170	The Las Cañadas caldera (Tenerife, Canary Islands): an overlapping collapse caldera generated by magma-chamber migration. <i>Journal of Volcanology and Geothermal Research</i> , 2000, 103, 161-173.	0.8	148
171	Stratigraphy, structure, and volcanic evolution of the Pico Teide "Pico Viejo formation, Tenerife, Canary Islands. <i>Journal of Volcanology and Geothermal Research</i> , 2000, 103, 175-208.	0.8	152
172	The 0.57 Ma plinian eruption of the Granadilla Member, Tenerife (Canary Islands): an example of complexity in eruption dynamics and evolution. <i>Journal of Volcanology and Geothermal Research</i> , 2000, 103, 209-238.	0.8	40
173	The influence of conduit geometry on the dynamics of caldera-forming eruptions. <i>Earth and Planetary Science Letters</i> , 2000, 179, 53-61.	1.8	26
174	Pressure evolution during explosive caldera-forming eruptions. <i>Earth and Planetary Science Letters</i> , 2000, 175, 275-287.	1.8	69
175	Mechanical relationship between catastrophic volcanic landslides and caldera collapses. <i>Geophysical Research Letters</i> , 2000, 27, 2393-2396.	1.5	29
176	Evidence for Fractional Crystallization of Periodically Refilled Magma Chambers in Tenerife, Canary Islands. <i>Journal of Petrology</i> , 1999, 40, 1089-1123.	1.1	98
177	Origin and implications of mafic xenoliths associated with Cenozoic extension-related volcanism in the Villalencía Trough, NE Spain. <i>Mineralogy and Petrology</i> , 1999, 65, 113-139.	0.4	24
178	Conditions favouring catastrophic landslides on Tenerife (Canary Islands). <i>Terra Nova</i> , 1999, 11, 106-111.	0.9	43
179	Tube pumices as strain markers of the ductile "brittle transition during magma fragmentation. <i>Nature</i> , 1999, 402, 650-653.	13.7	64
180	A fractional-step finite-element method for the Navier "Stokes equations applied to magma-chamber withdrawal. <i>Computers and Geosciences</i> , 1999, 25, 263-275.	2.0	6

#	ARTICLE	IF	CITATIONS
181	Injection and arrest of dykes: implications for volcanic hazards. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 88, 1-13.	0.8	73
182	Large landslides triggered by caldera collapse events in Tenerife, Canary Islands. <i>Physics and Chemistry of the Earth</i> , 1999, 24, 921-924.	0.6	24
183	Facies analysis of volcano-sedimentary successions hosting massive sulfide deposits in the Iberian pyrite belt, Spain. <i>Economic Geology</i> , 1999, 94, 867-882.	1.8	49
184	Lithic breccias in intermediate volume phonolitic ignimbrites, Tenerife (Canary Islands): constraints on pyroclastic flow depositional processes. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 81, 269-296.	0.8	50
185	The generation of overpressure in felsic magma chambers by replenishment. <i>Earth and Planetary Science Letters</i> , 1998, 163, 301-314.	1.8	100
186	Comment on "A giant landslide on the north flank of Tenerife, Canary Islands" by A. B. Watts and D. G. Masson. <i>Journal of Geophysical Research</i> , 1998, 103, 9945-9947.	3.3	10
187	A numerical model for temporal variations during explosive central vent eruptions. <i>Journal of Geophysical Research</i> , 1998, 103, 20883-20899.	3.3	14
188	Basanite-Phonolite Lineages of the Teide-Pico Viejo Volcanic Complex, Tenerife, Canary Islands. <i>Journal of Petrology</i> , 1998, 39, 905-936.	1.1	166
189	Vertical and lateral collapses on Tenerife (Canary Islands) and other volcanic ocean islands: Comment and Reply. <i>Geology</i> , 1998, 26, 861.	2.0	15
190	Stratigraphy of the Bandas del Sur Formation: an extracaldera record of Quaternary phonolitic explosive eruptions from the Las Cañadas edifice, Tenerife (Canary Islands). <i>Geological Magazine</i> , 1998, 135, 605-636.	0.9	114
191	Magmatic Evolution and Tectonic Setting of the Iberian Pyrite Belt Volcanism. <i>Journal of Petrology</i> , 1997, 38, 727-755.	1.1	93
192	Vertical and lateral collapses on Tenerife (Canary Islands) and other volcanic ocean islands. <i>Geology</i> , 1997, 25, 879.	2.0	165
193	Stress fields generating ring faults in volcanoes. <i>Geophysical Research Letters</i> , 1997, 24, 1559-1562.	1.5	81
194	Ignimbrites of the Roque Nublo group, Gran Canaria, Canary Islands. <i>Bulletin of Volcanology</i> , 1997, 58, 647-654.	1.1	9
195	Analysis of the Temporal Occurrence of Seismicity at Deception Island (Antarctica). A Nonlinear Approach. <i>Pure and Applied Geophysics</i> , 1997, 149, 553-574.	0.8	26
196	Deception Island (Bransfield Strait, Antarctica): an example of a volcanic caldera developed by extensional tectonics. <i>Geological Society Special Publication</i> , 1996, 110, 253-265.	0.8	34
197	Comment on "The Canary Islands: an example of structural control on the growth of large oceanic-island volcanoes" by J.C. Carracedo. <i>Journal of Volcanology and Geothermal Research</i> , 1996, 72, 143-149.	0.8	24
198	Cooling rate variation in natural volcanic glasses from Tenerife, Canary Islands. <i>Contributions To Mineralogy and Petrology</i> , 1996, 125, 151-160.	1.2	40

#	ARTICLE	IF	CITATIONS
199	Genesis of crystal-rich volcanoclastic facies in the Permian red beds of the Central Pyrenees (NE Tj ETQq1 1 0.784314 rgBT / Overlock 10	1.0	23
200	Attenuation and source parameters at Deception Island (South Shetland Islands, Antarctica). Pure and Applied Geophysics, 1995, 144, 229-250.	0.8	23
201	Alteration processes of the Roque Nublo ignimbrites (Gran Canaria, Canary Islands). Journal of Volcanology and Geothermal Research, 1995, 65, 191-204.	0.8	19
202	The 72 ka subplinian eruption of Montaña Blanca, Tenerife. Bulletin of Volcanology, 1995, 57, 337-355.	1.1	23
203	The 72ka subplinian eruption of Montaña Blanca, Tenerife. Bulletin of Volcanology, 1995, 57, 337-355.	1.1	79
204	Gravity Modelling of the Ramados Caldera (Argentinean Puna, Central Andes). , 1995, , .		2
205	Stratigraphy, structure and geochronology of the Las Cañadas caldera (Tenerife, Canary Islands). Geological Magazine, 1994, 131, 715-727.	0.9	248
206	Magma mixing in alkaline magmas: An example from Tenerife, Canary Islands. Lithos, 1994, 32, 1-19.	0.6	41
207	Experimental studies of collapse calderas. Journal of the Geological Society, 1994, 151, 919-929.	0.9	182
208	Thermoremanence in red sandstone clasts and emplacement temperature of a quaternary pyroclastic deposit (Catalan Volcanic Zone, ne Spain). Studia Geophysica Et Geodaetica, 1993, 37, 401-414.	0.3	6
209	Glacial to interglacial vegetation changes in the northern and southern Pyrenees: Deglaciation, vegetation cover and chronology. Quaternary Science Reviews, 1992, 11, 449-480.	1.4	138
210	Cenozoic magmatism of the valencia trough (western mediterranean): Relationship between structural evolution and volcanism—. Tectonophysics, 1992, 203, 145-165.	0.9	168
211	Volcanic tremors at Deception Island (South Shetland Islands, Antarctica). Journal of Volcanology and Geothermal Research, 1992, 53, 89-102.	0.8	26
212	Conduction model for the thermal influence of lithic clasts in mixtures of hot gases and ejecta. Journal of Geophysical Research, 1991, 96, 21879-21885.	3.3	49
213	Caldera-like structures related to Permo-Carboniferous volcanism of the Catalan Pyrenees (NE Spain). Journal of Volcanology and Geothermal Research, 1991, 45, 173-186.	0.8	20
214	Stratigraphy and Ar ages of the Diego Hernández wall and their significance on the Las Cañadas Caldera formation (Tenerife, Canary Islands). Terra Nova, 1990, 2, 148-153.	0.9	19
215	Pre-caldera Pyroclastic deposits of Deception Island (South Shetland Islands). Antarctic Science, 1990, 2, 345-352.	0.5	34
216	Erupciones hidromagmáticas en el volcanismo cuaternario de Olot (Girona). Estudios Geologicos, 1987, 43, 31.	0.7	18

#	ARTICLE	IF	CITATIONS
217	Title is missing!. Estudios Geologicos, 1987, 43, .	0.7	6
218	A genetic classification of collapse calderas based on field studies, and analogue and theoretical modelling. , 0, , 249-266.		19