

Joan Marti

List of Publications by Year in descending order

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218
papers

7,394
citations

44069

48
h-index

82547

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. International Journal of Earth Sciences, 2022, 111, 641-658.	1.8	5
2	Stratigraphy and eruptive history of the complex Puig de La Banya del Boc monogenetic volcano, Garrotxa Volcanic Field. Journal of Volcanology and Geothermal Research, 2022, 423, 107460.	2.1	6
3	Pre-Eruptive Conditions and Dynamics Recorded in Banded Pumices from the El Abrigo Caldera-Forming Eruption (Tenerife, Canary Islands). Journal of Petrology, 2022, 63, .	2.8	6
4	The Volcanic Hazards of Jan Mayen Island (North-Atlantic). Frontiers in Earth Science, 2022, 10, .	1.8	1
5	Tenerife, a complex end member of basaltic oceanic island volcanoes, with explosive polygenetic phonolitic calderas, and phonolitic-basaltic stratovolcanoes. Earth-Science Reviews, 2022, 230, 103990.	9.1	12
6	Towards a Digital Twin of the Earth System: Geo-Soft-CoRe, a Geoscientific Software & Code Repository. Frontiers in Earth Science, 2022, 10, .	1.8	1
7	Petrophysical Characterization of Non-Magnetic Granites; Density and Magnetic Susceptibility Relationships. Geosciences (Switzerland), 2022, 12, 240.	2.2	2
8	Volcanotectonics: the tectonics and physics of volcanoes and their eruption mechanics. Bulletin of Volcanology, 2022, 84, .	3.0	7
9	The historical case of Parícutin volcano (Michoacán, México): challenges of simulating lava flows on a gentle slope during a long-lasting eruption. Natural Hazards, 2021, 107, 809-829.	3.4	5
10	Graben type calderas: The Bolaños case, Sierra Madre Occidental, Mexico. Journal of Volcanology and Geothermal Research, 2021, 417, 107315.	2.1	5
11	Pre-eruptive conditions at satellite vent eruptions at Teide-Pico Viejo complex (Tenerife, Canary) Tj ETQq1 1 0.784314 rgBT /Qverlock 10	1.4	4
12	Cascading Effects of Extreme Geohazards on Tenerife (Canary Islands). Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022294.	3.4	4
13	Eruptive evolution and 3D geological modeling of Camp dels Ninots maar-diatreme (Catalonia) through continuous intra-crater drill coring. Journal of Volcanology and Geothermal Research, 2021, 419, 107369.	2.1	4
14	Four decades of geophysical research on Iberia and adjacent margins. Earth-Science Reviews, 2021, 222, 103841.	9.1	8
15	Gravity data on the Central Pyrenees: a step forward to help a better understanding of the Pyrenean structures. Journal of Maps, 2021, 17, 750-759.	2.0	4
16	Nb and REE Distribution in the Monte Verde Carbonatite "Alkaline" Agpaitic Complex (Angola). Minerals (Basel, Switzerland), 2020, 10, 5.	2.0	8
17	Eruptive chronology of the Acoculco caldera complex "A resurgent caldera in the eastern Trans-Mexican Volcanic Belt (México). Journal of South American Earth Sciences, 2020, 98, 102412.	1.4	20
18	Identification, cataloguing and preservation of outcrops of geological interest in monogenetic volcanic fields: the case of La Garrotxa Volcanic Zone Natural Park. Geoheritage, 2020, 12, 1.	2.8	9

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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.	2.1	9
20	Characteristics and emplacement mechanisms of the CoranzulÃ-ignimbrites (Central Andes). <i>Sedimentary Geology</i> , 2020, 405, 105699.	2.1	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.	2.1	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.	9.1	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.	1.9	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.	2.0	9
25	The Deterioration of Geoheritage in the Central Spanish Volcanic Region by Open-Pit Mining. <i>Geoheritage</i> , 2019, 11, 1903-1917.	2.8	7
26	Estimating exposure around San Miguel Volcano, El Salvador. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 386, 106675.	2.1	2
27	Deciphering the evolution of Deception Islandâ€™s magmatic system. <i>Scientific Reports</i> , 2019, 9, 373.	3.3	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.	2.6	6
30	Topographical controls on smallâ€-volume pyroclastic flows. <i>Sedimentology</i> , 2019, 66, 2297-2317.	3.1	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.	1.5	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.	2.1	14
33	Geology of the late Pliocene â€- Pleistocene Acoculco caldera complex, eastern Trans-Mexican Volcanic Belt (MÃ©xico). <i>Journal of Maps</i> , 2019, 15, 8-18.	2.0	33
34	Spatio-temporal hazard estimation in San Miguel volcano, El Salvador. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 358, 171-183.	2.1	6
35	Volcanic stratigraphy: A review. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 68-91.	2.1	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.	2.7	16

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37	Proposal for an initial development strategy for the Borinquen geothermal zone (Cañas Dulces, Costa). <i>Tectonophysics</i> , 2018, 712-713, 72-81.	1.08	784314
38	Susceptibility of intrusion-related landslides at volcanic islands: the Stromboli case study. <i>Landslides</i> , 2018, 15, 21-29.	5.4	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.	3.6	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.	2.2	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.	3.3	7
42	Structural interpretation of El Hierro (Canary Islands) rifts system from gravity inversion modelling. <i>Tectonophysics</i> , 2017, 712-713, 72-81.	2.2	6
43	Remarkable variability in dyke features at the Vicuña Pampa Volcanic Complex, Southern Central Andes. <i>Terra Nova</i> , 2017, 29, 224-232.	2.1	3
44	Stress barriers controlling lateral migration of magma revealed by seismic tomography. <i>Scientific Reports</i> , 2017, 7, 40757.	3.3	28
45	Basaltic ignimbrites in monogenetic volcanism: the example of La Garrotxa volcanic field. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	3.0	15
46	Early signs of geodynamic activity before the 2011-2012 El Hierro eruption. <i>Journal of Geodynamics</i> , 2017, 104, 1-14.	1.6	7
47	Probabilistic E-tools for Hazard Assessment and Risk Management. <i>Advances in Volcanology</i> , 2017, , 47-61.	1.1	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.	2.1	14
49	Driving magma to the surface: The 2011-2012 El Hierro Volcanic Eruption. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3165-3184.	2.5	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.	2.4	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.	2.8	59
54	Using Statistics to Quantify and Communicate Uncertainty During Volcanic Crises. <i>Advances in Volcanology</i> , 2017, , 571-583.	1.1	0

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55	Assessing qualitative long-term volcanic hazards at Lanzarote Island (Canary Islands). Natural Hazards and Earth System Sciences, 2017, 17, 1145-1157.	3.6	19
56	Assessing Volcanic Hazard. , 2017, , .		2
57	Stress Field Control during Large Caldera-Forming Eruptions. Frontiers in Earth Science, 2016, 4, .	1.8	16
58	Stress Controls of Monogenetic Volcanism: A Review. Frontiers in Earth Science, 2016, 4, .	1.8	32
59	Eruptive shearing of tube pumice: pure and simple. Solid Earth, 2016, 7, 1383-1393.	2.8	22
60	Dust storms, volcanic ash hurricanes, and turbidity currents: physical similarities and differences with emphasis on flow temperature. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	20
61	Volcano-structure of El Hierro (Canary Islands). Journal of Maps, 2016, 12, 43-52.	2.0	21
62	First-order estimate of the Canary Islands plate-scale stress field: Implications for volcanic hazard assessment. Tectonophysics, 2016, 679, 125-139.	2.2	21
63	Subsidence and current strain patterns on Tenerife Island (Canary Archipelago, Spain) derived from continuous GNSS time series (2008â€“2015). Journal of Volcanology and Geothermal Research, 2016, 327, 240-248.	2.1	5
64	The Borinquen geothermal system (CaÃ±as Dulces caldera, Costa Rica). Geothermics, 2016, 64, 410-425.	3.4	12
65	ST-HASSET for volcanic hazard assessment: A Python tool for evaluating the evolution of unrest indicators. Computers and Geosciences, 2016, 93, 77-87.	4.2	9
66	Reconstructing the eruptive history of a monogenetic volcano through a combination of fieldwork and geophysical surveys: the example of Puig dâ€™Â€dri (Garrotxa Volcanic Field). Journal of the Geological Society, 2016, 173, 875-888.	2.1	16
67	A scale for ranking volcanoes by risk. Bulletin of Volcanology, 2016, 78, 1.	3.0	14
68	Modeling magmatic accumulations in the upper crust: Metamorphic implications for the country rock. Journal of Volcanology and Geothermal Research, 2016, 319, 78-92.	2.1	10
69	Years to weeks of seismic unrest and magmatic intrusions precede monogenetic eruptions. Geology, 2016, 44, 211-214.	4.4	50
70	Multiparametric statistical investigation of seismicity occurred at El Hierro (Canary Islands) from 2011 to 2014. Tectonophysics, 2016, 672-673, 121-128.	2.2	30
71	Geochronological constraints on the evolution of El Hierro (Canary Islands). Journal of African Earth Sciences, 2016, 113, 88-94.	2.0	12
72	Enhancing Safety in a Volcano's Shadow. Eos, 2016, 97, .	0.1	4

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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.	3.6	3
74	Evaluating Topographic Effects on Ground Deformation: Insights from Finite Element Modeling. <i>Surveys in Geophysics</i> , 2015, 36, 513-548.	4.6	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.	1.9	8
76	Multifractal investigation of continuous seismic signal recorded at El Hierro volcano (Canary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	2.2	14
77	Volcano-structural analysis of La Garrotxa Volcanic Field (NE Iberia): Implications for the plumbing system. <i>Tectonophysics</i> , 2015, 642, 58-70.	2.2	43
78	Studying monogenetic volcanoes with a terrestrial laser scanner: case study at Croscat volcano (Garrotxa Volcanic Field, Spain). <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	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.	3.4	19
80	Hazard assessment at the Quaternary La Garrotxa Volcanic Field (NE Iberia). <i>Natural Hazards</i> , 2015, 78, 1349-1367.	3.4	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.	2.1	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.	2.2	36
83	Structure of the Pliocene Camp dels Ninots maar-diatreme (Catalan Volcanic Zone, NE Spain). <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	12
84	3D Attenuation Tomography of the Volcanic Island of Tenerife (Canary Islands). <i>Surveys in Geophysics</i> , 2015, 36, 693-716.	4.6	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.	2.8	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.	2.1	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.	3.3	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.	2.1	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.	2.1	29

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91	Long-term volcanic hazard assessment on El Hierro (Canary Islands). Natural Hazards and Earth System Sciences, 2014, 14, 1853-1870.	3.6	48
92	Volcanic hazard on Deception Island (South Shetland Islands, Antarctica). Journal of Volcanology and Geothermal Research, 2014, 285, 150-168.	2.1	71
93	Using the Fisher-Shannon method to characterize continuous seismic signal during volcanic eruptions: application to 2011-2012 El Hierro (Canary Islands) eruption. Terra Nova, 2014, 26, 425-429.	2.1	20
94	Chronological link between deep-seated processes in magma chambers and eruptions: Permo-Carboniferous magmatism in the core of Pangaea (Southern Pyrenees). Gondwana Research, 2014, 25, 290-308.	6.0	86
95	Structural control of monogenetic volcanism in the Garrotxa volcanic field (Northeastern Spain) from gravity and self-potential measurements. Bulletin of Volcanology, 2014, 76, 1.	3.0	23
96	HASSET: a probability event tree tool to evaluate future volcanic scenarios using Bayesian inference. Bulletin of Volcanology, 2014, 76, 1.	3.0	44
97	Volcanic tremors: Good indicators of change in plumbing systems during volcanic eruptions. Journal of Volcanology and Geothermal Research, 2014, 273, 33-40.	2.1	26
98	A GIS-based methodology for the estimation of potential volcanic damage and its application to Tenerife Island, Spain. Journal of Volcanology and Geothermal Research, 2014, 278-279, 40-58.	2.1	13
99	A new Volcanic management Risk Database design (VERDI): Application to El Hierro Island (Canary) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.1	6
100	Explosive felsic volcanism on El Hierro (Canary Islands). Bulletin of Volcanology, 2014, 76, 1.	3.0	11
101	Geophysical exploration on the subsurface geology of La Garrotxa monogenetic volcanic field (NE) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	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. Surveys in Geophysics, 2014, 35, 1023-1044.	4.6	19
103	Volcanic signatures in time gravity variations during the volcanic unrest on El Hierro (Canary) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.4	24
104	Volcano-Stratigraphy of La Garrotxa Monogenetic Volcanic Field, Northeastern Spain. Springer Geology, 2014, , 1213-1216.	0.3	0
105	Evaluation of morphometry-based dating of monogenetic volcanoes—a case study from Bandas del Sur, Tenerife (Canary Islands). Bulletin of Volcanology, 2013, 75, 1.	3.0	32
106	Electrical resistivity tomography revealing the internal structure of monogenetic volcanoes. Geophysical Research Letters, 2013, 40, 2544-2549.	4.0	33
107	Formation of U-depleted rhyolite from a basanite at El Hierro, Canary Islands. Contributions To Mineralogy and Petrology, 2013, 165, 601-622.	3.1	29
108	Origin and evolution of the Deception Island caldera (South Shetland Islands, Antarctica). Bulletin of Volcanology, 2013, 75, 1.	3.0	44

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109	Solid modeling techniques to build 3D finite element models of volcanic systems: An example from the Rabaul Caldera system, Papua New Guinea. Computers and Geosciences, 2013, 52, 325-333.	4.2	23
110	Stratigraphy, sedimentology and eruptive mechanisms in the tuff cone of El Golfo (Lanzarote, Canary) Tj ETQq0 0 0.rgBT /Overlock 10 Tt	3.9	23
111	Causes and mechanisms of the 2011-2012 El Hierro (Canary Islands) submarine eruption. Journal of Geophysical Research: Solid Earth, 2013, 118, 823-839.	3.4	117
112	Correlation of Magma Evolution and Geophysical Monitoring during the 2011-2012 El Hierro (Canary) Tj ETQq0 0 0.rgBT /Overlock 10 Tt	2.8	78
113	Caldera events in a rift depocentre: an example from the Jurassic Neuqu�n basin, Argentina. Journal of the Geological Society, 2013, 170, 571-584.	2.1	10
114	QVAST: a new Quantum GIS plugin for estimating volcanic susceptibility. Natural Hazards and Earth System Sciences, 2013, 13, 3031-3042.	3.6	60
115	Applying Benford's law to volcanology. Geology, 2012, 40, 327-330.	4.4	22
116	The 5,660�BP Boquer�n explosive eruption, Teide�Pico Viejo complex, Tenerife. Bulletin of Volcanology, 2012, 74, 2037-2050.	3.0	11
117	Aerodynamics of stratovolcanoes during multiphase processes. Journal of Geophysical Research, 2012, 117, .	3.3	23
118	Investigation of the inner structure of La Crosa de Sant Dalmai maar (Catalan Volcanic Zone, Spain). Journal of Volcanology and Geothermal Research, 2012, 247-248, 37-48.	2.1	29
119	Eruptive scenarios of phonolitic volcanism at Teide�Pico Viejo volcanic complex (Tenerife, Canary) Tj ETQq1 1 0.784314 rgBT /Overloc	3.0	26
120	Improving and Facilitating Research on Collapse Calderas. Eos, 2011, 92, 53-54.	0.1	1
121	Volcanic hazard assessment for the Canary Islands (Spain) using extreme value theory. Natural Hazards and Earth System Sciences, 2011, 11, 2741-2753.	3.6	34
122	Pyroclastic density currents from Teide�Pico Viejo (Tenerife, Canary Islands): implications for hazard assessment. Terra Nova, 2011, 23, 220-224.	2.1	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.. Tectonophysics, 2011, 503, 234-238.	2.2	4
124	Complex interaction between Strombolian and phreatomagmatic eruptions in the Quaternary monogenetic volcanism of the Catalan Volcanic Zone (NE of Spain). Journal of Volcanology and Geothermal Research, 2011, 201, 178-193.	2.1	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). Bulletin of Volcanology, 2010, 72, 381-395.	3.0	44

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127	The Cerro Aguas Calientes caldera, NW Argentina: An example of a tectonically controlled, polygenetic collapse caldera, and its regional significance. Journal of Volcanology and Geothermal Research, 2010, 194, 15-26.	2.1	64
128	Methodology for the computation of volcanic susceptibility. Journal of Volcanology and Geothermal Research, 2010, 195, 69-77.	2.1	54
129	Statistical data analysis of the CCDB (Collapse Caldera Database): Insights on the formation of caldera systems. Journal of Volcanology and Geothermal Research, 2010, 198, 241-252.	2.1	18
130	Bayesian event tree for long-term volcanic hazard assessment: Application to Teide-Pico Viejo stratovolcanoes, Tenerife, Canary Islands. Journal of Geophysical Research, 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. Tectonophysics, 2010, 483, 310-326.	2.2	42
132	Central vs flank eruptions at Teide-Pico Viejo twin stratovolcanoes (Tenerife, Canary Islands). Journal of Volcanology and Geothermal Research, 2009, 181, 47-60.	2.1	33
133	Stress fields controlling the formation of nested and overlapping calderas: Implications for the understanding of caldera unrest. Journal of Volcanology and Geothermal Research, 2009, 181, 185-195.	2.1	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. Journal of Volcanology and Geothermal Research, 2009, 182, 23-33.	2.1	41
135	Time-dependent chamber and vent conditions during explosive caldera-forming eruptions. Earth and Planetary Science Letters, 2009, 280, 246-253.	4.4	28
136	Magma-tectonic interaction and the eruption of silicic batholiths. Earth and Planetary Science Letters, 2009, 284, 426-434.	4.4	59
137	Gravity-driven deformation of Tenerife measured by InSAR time series analysis. Geophysical Research Letters, 2009, 36, .	4.0	47
138	The new worldwide collapse caldera database (CCDB): A tool for studying and understanding caldera processes. Journal of Volcanology and Geothermal Research, 2008, 175, 334-354.	2.1	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	2.1	28
140	Assessing the potential for future explosive activity from Teide-Pico Viejo stratovolcanoes (Tenerife,) Tj ETQq0 0 0 rgBT /Overlock 10	2.1	49
141	A long-term volcanic hazard event tree for Teide-Pico Viejo stratovolcanoes (Tenerife, Canary Islands). Journal of Volcanology and Geothermal Research, 2008, 178, 543-552.	2.1	54
142	Shallow structure beneath the Central Volcanic Complex of Tenerife from new gravity data: Implications for its evolution and recent reactivation. Physics of the Earth and Planetary Interiors, 2008, 168, 212-230.	1.9	89
143	Experimental constraints on pre-eruptive conditions of phonolitic magma from the caldera-forming El Abrigo eruption, Tenerife (Canary Islands). Chemical Geology, 2008, 257, 173-191.	3.3	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. Developments in Volcanology, 2008, 10, 97-142.	0.5	22

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145	Chapter 6 A Review on Collapse Caldera Modelling. Developments in Volcanology, 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.	0.3	1
147	April 2007 collapse of Piton de la Fournaise: A new example of caldera formation. Geophysical Research Letters, 2007, 34, .	4.0	104
148	The late Quaternary Diego Hernandez Formation, Tenerife: Volcanology of a complex cycle of voluminous explosive phonolitic eruptions. Journal of Volcanology and Geothermal Research, 2007, 160, 59-85.	2.1	89
149	Automatic GIS-based system for volcanic hazard assessment. Journal of Volcanology and Geothermal Research, 2007, 166, 106-116.	2.1	110
150	A GIS-based methodology for hazard mapping of small volume pyroclastic density currents. Natural Hazards, 2007, 41, 99-112.	3.4	39
151	New evidence for the reawakening of Teide volcano. Geophysical Research Letters, 2006, 33, .	4.0	55
152	Conduit-vent structures and related proximal deposits in the Las Cañadas caldera, Tenerife, Canary Islands. Bulletin of Volcanology, 2006, 69, 217-231.	3.0	14
153	Instantaneous dynamic pressure effects on the behaviour of lithic boulders in pyroclastic flows: the Abrigo Ignimbrite, Tenerife, Canary Islands. Bulletin of Volcanology, 2006, 69, 265-279.	3.0	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. Journal of Volcanology and Geothermal Research, 2006, 152, 273-315.	2.1	51
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