

# Joan Marti

## List of Publications by Year in descending order

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218  
papers

7,394  
citations

43973

48  
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82410

72  
g-index

238  
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238  
docs citations

238  
times ranked

3982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stratigraphy, structure and geochronology of the Las Cañadas caldera (Tenerife, Canary Islands). Geological Magazine, 1994, 131, 715-727.	0.9	248
2	Experimental studies of collapse calderas. Journal of the Geological Society, 1994, 151, 919-929.	0.9	182
3	Cenozoic magmatism of the valencia trough (western mediterranean): Relationship between structural evolution and volcanism—. Tectonophysics, 1992, 203, 145-165.	0.9	168
4	Basanite-Phonolite Lineages of the Teide-Pico Viejo Volcanic Complex, Tenerife, Canary Islands. Journal of Petrology, 1998, 39, 905-936.	1.1	166
5	Vertical and lateral collapses on Tenerife (Canary Islands) and other volcanic ocean islands. Geology, 1997, 25, 879.	2.0	165
6	Stratigraphy, structure, and volcanic evolution of the Pico Teide—Pico Viejo formation, Tenerife, Canary Islands. Journal of Volcanology and Geothermal Research, 2000, 103, 175-208.	0.8	152
7	The Las Cañadas caldera (Tenerife, Canary Islands): an overlapping collapse caldera generated by magma-chamber migration. Journal of Volcanology and Geothermal Research, 2000, 103, 161-173.	0.8	148
8	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
9	Causes and mechanisms of the 2011—2012 El Hierro (Canary Islands) submarine eruption. Journal of Geophysical Research: Solid Earth, 2013, 118, 823-839.	1.4	117
10	Stratigraphy of the Bandas del Sur Formation: an extracaldera record of Quaternary phonolitic explosive eruptions from the Las Cañadas edifice, Tenerife (Canary Islands). Geological Magazine, 1998, 135, 605-636.	0.9	114
11	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.	0.8	111
12	Relationship between caldera collapse and magma chamber withdrawal: An experimental approach. Journal of Volcanology and Geothermal Research, 2006, 157, 375-386.	0.8	110
13	Automatic GIS-based system for volcanic hazard assessment. Journal of Volcanology and Geothermal Research, 2007, 166, 106-116.	0.8	110
14	April 2007 collapse of Piton de la Fournaise: A new example of caldera formation. Geophysical Research Letters, 2007, 34, .	1.5	104
15	The generation of overpressure in felsic magma chambers by replenishment. Earth and Planetary Science Letters, 1998, 163, 301-314.	1.8	100
16	Evidence for Fractional Crystallization of Periodically Refilled Magma Chambers in Tenerife, Canary Islands. Journal of Petrology, 1999, 40, 1089-1123.	1.1	98
17	Magmatic Evolution and Tectonic Setting of the Iberian Pyrite Belt Volcanism. Journal of Petrology, 1997, 38, 727-755.	1.1	93
18	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.	0.8	89

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19	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
20	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
21	Stress fields generating ring faults in volcanoes. <i>Geophysical Research Letters</i> , 1997, 24, 1559-1562.	1.5	81
22	The 22ka subplinian eruption of Montaña Blanca, Tenerife. <i>Bulletin of Volcanology</i> , 1995, 57, 337-355.	1.1	79
23	Correlation of Magma Evolution and Geophysical Monitoring during the 2011-2012 El Hierro (Canary) Tj ETQq1 1 0,784314 rgBT / Overl	1.1	78
24	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
25	Injection and arrest of dykes: implications for volcanic hazards. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 88, 1-13.	0.8	73
26	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
27	Volcanic hazard on Deception Island (South Shetland Islands, Antarctica). <i>Journal of Volcanology and Geothermal Research</i> , 2014, 285, 150-168.	0.8	71
28	Pressure evolution during explosive caldera-forming eruptions. <i>Earth and Planetary Science Letters</i> , 2000, 175, 275-287.	1.8	69
29	Tube pumices as strain markers of the ductile-brittle transition during magma fragmentation. <i>Nature</i> , 1999, 402, 650-653.	13.7	64
30	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
31	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
32	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
33	Petrology and Geochemistry of the Bandas del Sur Formation, Las Cañadas Edifice, Tenerife (Canary) Tj ETQq1 1 0,784314 rgBT / Overl	1.1	59
34	Magma-tectonic interaction and the eruption of silicic batholiths. <i>Earth and Planetary Science Letters</i> , 2009, 284, 426-434.	1.8	59
35	Volcanic Geoheritage. <i>Geoheritage</i> , 2017, 9, 251-254.	1.5	59
36	Volcanic stratigraphy: A review. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 68-91.	0.8	59

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37	New evidence for the reawakening of Teide volcano. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	55
38	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
39	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
40	Methodology for the computation of volcanic susceptibility. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 195, 69-77.	0.8	54
41	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
42	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
43	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
44	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
45	Years to weeks of seismic unrest and magmatic intrusions precede monogenetic eruptions. <i>Geology</i> , 2016, 44, 211-214.	2.0	50
46	Conduction model for the thermal influence of lithic clasts in mixtures of hot gases and ejecta. <i>Journal of Geophysical Research</i> , 1991, 96, 21879-21885.	3.3	49
47	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
48	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
49	Assessing the potential for future explosive activity from Teide-Pico Viejo stratovolcanoes (Tenerife, Canary Islands). <i>Journal of Volcanology and Geothermal Research</i> , 2008, 178, 543-552.	0.8	49
50	Chapter 6 A Review on Collapse Caldera Modelling. <i>Developments in Volcanology</i> , 2008, , 233-283.	0.5	48
51	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
52	Gravity-driven deformation of Tenerife measured by InSAR time series analysis. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	47
53	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
54	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

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55	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
56	Origin and evolution of the Deception Island caldera (South Shetland Islands, Antarctica). <i>Bulletin of Volcanology</i> , 2013, 75, 1.	1.1	44
57	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
58	Conditions favouring catastrophic landslides on Tenerife (Canary Islands). <i>Terra Nova</i> , 1999, 11, 106-111.	0.9	43
59	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
60	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
61	Magma mixing in alkaline magmas: An example from Tenerife, Canary Islands. <i>Lithos</i> , 1994, 32, 1-19.	0.6	41
62	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
63	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
64	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
65	Morphological and geological aspects related to large slope failures on oceanic islands. <i>Geomorphology</i> , 2004, 62, 143-158.	1.1	40
66	A GIS-based methodology for hazard mapping of small volume pyroclastic density currents. <i>Natural Hazards</i> , 2007, 41, 99-112.	1.6	39
67	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
68	Pre-caldera Pyroclastic deposits of Deception Island (South Shetland Islands). <i>Antarctic Science</i> , 1990, 2, 345-352.	0.5	34
69	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
70	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
71	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
72	Electrical resistivity tomography revealing the internal structure of monogenetic volcanoes. <i>Geophysical Research Letters</i> , 2013, 40, 2544-2549.	1.5	33

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73	Deciphering the evolution of Deception Island's magmatic system. <i>Scientific Reports</i> , 2019, 9, 373.	1.6	33
74	Geology of the late Pliocene – Pleistocene Aocolulco caldera complex, eastern Trans-Mexican Volcanic Belt (Mexico). <i>Journal of Maps</i> , 2019, 15, 8-18.	1.0	33
75	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
76	Stress Controls of Monogenetic Volcanism: A Review. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	32
77	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
78	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
79	3D Attenuation Tomography of the Volcanic Island of Tenerife (Canary Islands). <i>Surveys in Geophysics</i> , 2015, 36, 693-716.	2.1	30
80	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
81	Mechanical relationship between catastrophic volcanic landslides and caldera collapses. <i>Geophysical Research Letters</i> , 2000, 27, 2393-2396.	1.5	29
82	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
83	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
84	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
85	Estimating building exposure and impact to volcanic hazards in Icod de los Vinos, Tenerife (Canary) Tj ETQq1 1 0.784314 rgBTJ /Overl 0.8 28	0.8	28
86	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
87	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
88	Stress barriers controlling lateral migration of magma revealed by seismic tomography. <i>Scientific Reports</i> , 2017, 7, 40757.	1.6	28
89	Volcanic tremors at Deception Island (South Shetland Islands, Antarctica). <i>Journal of Volcanology and Geothermal Research</i> , 1992, 53, 89-102.	0.8	26
90	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

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91	The influence of conduit geometry on the dynamics of caldera-forming eruptions. Earth and Planetary Science Letters, 2000, 179, 53-61.	1.8	26
92	Eruptive scenarios of phonolitic volcanism at Teide-Pico Viejo volcanic complex (Tenerife, Canary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	26
93	Phreatomagmatic volcanism in complex hydrogeological environments: La Crosa de Sant Dalmai maar (Catalan Volcanic Zone, NE Spain). , 2014, 10, 170-184.		26
94	Volcanic tremors: Good indicators of change in plumbing systems during volcanic eruptions. Journal of Volcanology and Geothermal Research, 2014, 273, 33-40.	0.8	26
95	Comment on "the Canary Islands: an example of structural control on the growth of large oceanic-island volcanoes" by J.C. Carracedo. Journal of Volcanology and Geothermal Research, 1996, 72, 143-149.	0.8	24
96	Origin and implications of mafic xenoliths associated with Cenozoic extension-related volcanism in the Vizcaya Trough, NE Spain. Mineralogy and Petrology, 1999, 65, 113-139.	0.4	24
97	Large landslides triggered by caldera collapse events in Tenerife, Canary Islands. Physics and Chemistry of the Earth, 1999, 24, 921-924.	0.6	24
98	Graben structure in the Las Cañadas edifice (Tenerife, Canary Islands): implications for active degassing and insights on the caldera formation. Journal of Volcanology and Geothermal Research, 2005, 144, 73-87.	0.8	24
99	Volcanic signatures in time gravity variations during the volcanic unrest on El Hierro (Canary) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.1	24
100	Short-term volcanic hazard assessment through Bayesian inference: retrospective application to the Pinatubo 1991 volcanic crisis. Journal of Volcanology and Geothermal Research, 2015, 290, 1-11.	0.8	24
101	Las Cañadas caldera, Tenerife, Canary Islands: A review, or the end of a long volcanological controversy. Earth-Science Reviews, 2019, 196, 102889.	4.0	24
102	Attenuation and source parameters at Deception Island (South Shetland Islands, Antarctica). Pure and Applied Geophysics, 1995, 144, 229-250.	0.8	23
103	The 72 ka subplinian eruption of Montaña Blanca, Tenerife. Bulletin of Volcanology, 1995, 57, 337-355.	1.1	23
104	Genesis of crystal-rich volcanoclastic facies in the Permian red beds of the Central Pyrenees (NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	1.0	23
105	Aerodynamics of stratovolcanoes during multiphase processes. Journal of Geophysical Research, 2012, 117, .	3.3	23
106	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.	2.0	23
107	Stratigraphy, sedimentology and eruptive mechanisms in the tuff cone of El Golfo (Lanzarote, Canary) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 22	1.1	23
108	Structural control of monogenetic volcanism in the Garrotxa volcanic field (Northeastern Spain) from gravity and self-potential measurements. Bulletin of Volcanology, 2014, 76, 1.	1.1	23

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109	Susceptibility of intrusion-related landslides at volcanic islands: the Stromboli case study. <i>Landslides</i> , 2018, 15, 21-29.	2.7	23
110	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
111	Applying Benford's law to volcanology. <i>Geology</i> , 2012, 40, 327-330.	2.0	22
112	Eruptive shearing of tube pumice: pure and simple. <i>Solid Earth</i> , 2016, 7, 1383-1393.	1.2	22
113	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
114	Geophysical exploration on the subsurface geology of La Garrotxa monogenetic volcanic field (NE Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.9	21
115	Volcano-structure of El Hierro (Canary Islands). <i>Journal of Maps</i> , 2016, 12, 43-52.	1.0	21
116	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
117	Caldera-like structures related to Permo-Carboniferous volcanism of the Catalan Pyrenees (NE Spain). <i>Journal of Volcanology and Geothermal Research</i> , 1991, 45, 173-186.	0.8	20
118	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
119	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
120	Eruptive chronology of the Aocolco caldera complex - A resurgent caldera in the eastern Trans-Mexican Volcanic Belt (MÃ©xico). <i>Journal of South American Earth Sciences</i> , 2020, 98, 102412.	0.6	20
121	Stratigraphy and Ar ages of the Diego HernÃ¡ndez wall and their significance on the Las CaÃ±adas Caldera formation (Tenerife, Canary Islands). <i>Terra Nova</i> , 1990, 2, 148-153.	0.9	19
122	Alteration processes of the Roque Nublo ignimbrites (Gran Canaria, Canary Islands). <i>Journal of Volcanology and Geothermal Research</i> , 1995, 65, 191-204.	0.8	19
123	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
124	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
125	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
126	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

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127	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
128	A genetic classification of collapse calderas based on field studies, and analogue and theoretical modelling. , 0, , 249-266.		19
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	Erupciones hidromagmáticas en el volcanismo cuaternario de Olot (Girona). <i>Estudios Geológicos</i> , 1987, 43, 31.	0.7	18
131	Numerical modeling of magma withdrawal during explosive caldera-forming eruptions. <i>Journal of Geophysical Research</i> , 2001, 106, 16163-16175.	3.3	16
132	Stress Field Control during Large Caldera-Forming Eruptions. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	16
133	Reconstructing the eruptive history of a monogenetic volcano through a combination of fieldwork and geophysical surveys: the example of Puig de l'Àndri (Garrotxa Volcanic Field). <i>Journal of the Geological Society</i> , 2016, 173, 875-888.	0.9	16
134	Impact of volcanism on the sedimentary record of the Neuquén rift basin, Argentina: towards a cause and effect model. <i>Basin Research</i> , 2018, 30, 311-335.	1.3	16
135	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
136	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
137	Basaltic ignimbrites in monogenetic volcanism: the example of La Garrotxa volcanic field. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	1.1	15
138	A numerical model for temporal variations during explosive central vent eruptions. <i>Journal of Geophysical Research</i> , 1998, 103, 20883-20899.	3.3	14
139	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
140	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
141	Multifractal investigation of continuous seismic signal recorded at El Hierro volcano (Canary) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	14
142	Hazard assessment at the Quaternary La Garrotxa Volcanic Field (NE Iberia). <i>Natural Hazards</i> , 2015, 78, 1349-1367.	1.6	14
143	A scale for ranking volcanoes by risk. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	1.1	14
144	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

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145	Topographical controls on small-volume pyroclastic flows. <i>Sedimentology</i> , 2019, 66, 2297-2317.	1.6	14
146	New late Middle to early Late Ordovician U–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
147	Dynamics of caldera collapse during the Coranzul eruption (6.6 Ma) (Central Andes, Argentina). <i>Journal of Volcanology and Geothermal Research</i> , 2019, 374, 1-12.	0.8	14
148	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
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