R Stephen J Sparks

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67 15,798 175 123 h-index g-index citations papers 6.1 6.75 179 17,595 L-index avg, IF ext. papers ext. citations

#	Paper	IF	Citations
175	Volcanic Eruptions: Cyclicity During Lava Dome Growth 2022 , 619-646		
174	Large silicic magma bodies and very large magnitude explosive eruptions. <i>Bulletin of Volcanology</i> , 2022 , 84, 1	2.4	1
173	The economic potential of metalliferous sub-volcanic brines. <i>Royal Society Open Science</i> , 2021 , 8, 20219	923.3	9
172	A novel approach for evaluating contact patterns and risk mitigation strategies for COVID-19 in English primary schools with application of structured expert judgement. <i>Royal Society Open Science</i> , 2021 , 8, 201566	3.3	3
171	Pupils returning to primary schools in England during 2020: rapid estimations of punctual COVID-19 infection rates. <i>Royal Society Open Science</i> , 2021 , 8, 202218	3.3	1
170	Columnar-jointed bentonite below a Doleritic Sill, Tideswell Dale, Derbyshire, UK: formation during prograde contact metamorphism ©ORRIGENDUM. <i>Geological Magazine</i> , 2020 , 157, 1199-1199	2	
169	New insights into source and dispersal of Mediterranean S1 tephra, an early Holocene marker horizon erupted at Mt. Erciyes (Turkey). <i>Quaternary Science Reviews</i> , 2020 , 249, 106606	3.9	5
168	Columnar-jointed bentonite below a Doleritic Sill, Tideswell Dale, Derbyshire, UK: formation during prograde contact metamorphism. <i>Geological Magazine</i> , 2020 , 157, 1181-1198	2	1
167	Formation and dynamics of magma reservoirs. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180019	3	82
166	Vertically Extensive Magma Reservoir Revealed From Joint Inversion and Quantitative Interpretation of Seismic and Gravity Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 1117	70 <u>².</u> 111	9 ²³
165	Kimberlite Volcanology: Transport, Ascent, and Eruption. <i>Elements</i> , 2019 , 15, 405-410	3.8	7
164	Causes of fragmented crystals in ignimbrites: a case study of the Cardones ignimbrite, Northern Chile. <i>Bulletin of Volcanology</i> , 2018 , 80, 1	2.4	10
163	Risk perception at a persistently active volcano: warnings and trust at PopocatBetl volcano in Mexico, 2012I014. <i>Bulletin of Volcanology</i> , 2018 , 80, 1	2.4	8
162	The Gravitational Stability of Lenses in Magma Mushes: Confined Rayleigh-Taylor Instabilities. Journal of Geophysical Research: Solid Earth, 2018 , 123, 3593-3607	3.6	15
161	Petrogenesis and Assembly of the Don Manuel Igneous Complex, Miocene Poliocene Porphyry Copper Belt, Central Chile. <i>Journal of Petrology</i> , 2018 , 59, 1067-1108	3.9	5
160	The global magnitudefrequency relationship for large explosive volcanic eruptions. <i>Earth and Planetary Science Letters</i> , 2018 , 482, 621-629	5.3	29
159	Synthesis: PLUTONS: Investigating the relationship between pluton growth and volcanism in the Central Andes 2018 , 14, 954-982		34

(2014-2018)

158	its Interaction with Country Rock Granitoids(by Fulopet al.(2018), Journal of Petrology, doi: 10.1093/petrology/egy025. <i>Journal of Petrology</i> , 2018 ,	3.9	
157	Chemical differentiation, cold storage and remobilization of magma in the Earth's crust. <i>Nature</i> , 2018 , 564, 405-409	50.4	116
156	Geology of the Don Manuel igneous complex, central Chile: Implications for igneous processes in porphyry copper systems. <i>Bulletin of the Geological Society of America</i> , 2017 , 129, 920-946	3.9	8
155	Vertically extensive and unstable magmatic systems: A unified view of igneous processes. <i>Science</i> , 2017 , 355,	33.3	428
154	Using ignimbrites to quantify structural relief growth and understand deformation processes: Implications for the development of the Western Andean Slope, northernmost Chile. <i>Lithosphere</i> , 2017 , 9, 29-45	2.7	8
153	Magma Emplacement Rates and Porphyry Copper Deposits: Thermal Modeling of the Yerington Batholith, Nevada. <i>Economic Geology</i> , 2017 , 112, 1653-1672	4.3	23
152	Understanding causality and uncertainty in volcanic observations: An example of forecasting eruptive activity on Soufrille Hills Volcano, Montserrat. <i>Journal of Volcanology and Geothermal Research</i> , 2017 , 341, 287-300	2.8	9
151	Petrogenesis of the Large-volume Cardones Ignimbrite, Chile; Development and Destabilization of a Complex Magma M ush System. <i>Journal of Petrology</i> , 2017 , 58, 1975-2006	3.9	9
150	Similarities and differences in the historical records of lava dome-building volcanoes: Implications for understanding magmatic processes and eruption forecasting. <i>Earth-Science Reviews</i> , 2016 , 160, 240-	263	31
149	An objective method for the production of isopach maps and implications for the estimation of tephra deposit volumes and their uncertainties. <i>Bulletin of Volcanology</i> , 2015 , 77, 61	2.4	29
148	Petrology, geochemistry and low-temperature alteration of lavas and pyroclastic rocks of the kimberlitic Igwisi Hills volcanoes, Tanzania. <i>Chemical Geology</i> , 2015 , 405, 82-101	4.2	18
147	Crustal-scale degassing due to magma system destabilization and magma-gas decoupling at SoufriBe Hills Volcano, Montserrat. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 2797-2811	3.6	79
146	Transtensional deformation of Montserrat revealed by shear wave splitting. <i>Earth and Planetary Science Letters</i> , 2015 , 425, 179-186	5.3	14
145	Rapid emergency assessment of ash and gas hazard for future eruptions at Santorini Volcano, Greece. <i>Journal of Applied Volcanology</i> , 2015 , 4,	2.6	16
144	Risk perceptions and trust following the 2010 and 2011 Icelandic volcanic ash crises. <i>Risk Analysis</i> , 2015 , 35, 332-43	3.9	26
143	Construction and evolution of igneous bodies: Towards an integrated perspective of crustal magmatism. <i>Lithos</i> , 2015 , 230, 206-221	2.9	146
142	Physical characteristics of tephra layers in the deep sea realm: the Campanian Ignimbrite eruption. <i>Geological Society Special Publication</i> , 2014 , 398, 47-64	1.7	32
141	Hydrothermal alteration of kimberlite by convective flows of external water. <i>Contributions To Mineralogy and Petrology</i> , 2014 , 168, 1038	3.5	30

140	Evolution of major and trace element composition during melt migration through crystalline mush: Implications for chemical differentiation in the crust. <i>Numerische Mathematik</i> , 2014 , 314, 895-939	5.3	43
139	Thermal models of dyke intrusion during development of continentBcean transition. <i>Earth and Planetary Science Letters</i> , 2014 , 385, 145-153	5.3	53
138	Chapter 1 An overview of the eruption of Soufrië Hills Volcano, Montserrat from 2000 to 2010. <i>Geological Society Memoir</i> , 2014 , 39, 1.1-40	0.4	83
137	Chapter 15 The SEA-CALIPSO volcano imaging experiment at Montserrat: plans, campaigns at sea and on land, scientific results, and lessons learned. <i>Geological Society Memoir</i> , 2014 , 39, 253-289	0.4	3
136	Strain field analysis on Montserrat (W.I.) as tool for assessing permeable flow paths in the magmatic system of Soufriile Hills Volcano. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 676-690	3.6	26
135	Origen y emplazamiento del Domo Tinto, volcfi Guallatiri, Norte de Chile <i>Andean Geology</i> , 2014 , 41,	2.4	2
134	Scientists views about lay perceptions of volcanic hazard and risk. <i>Journal of Applied Volcanology</i> , 2014 , 3,	2.6	19
133	Revised estimates for the volume of the Late Bronze Age Minoan eruption, Santorini, Greece. <i>Journal of the Geological Society</i> , 2014 , 171, 583-590	2.7	42
132	Quantification of the Intrusive Magma Fluxes during Magma Chamber Growth at Soufrife Hills Volcano (Montserrat, Lesser Antilles). <i>Journal of Petrology</i> , 2014 , 55, 529-548	3.9	15
131	Global link between deformation and volcanic eruption quantified by satellite imagery. <i>Nature Communications</i> , 2014 , 5, 3471	17.4	125
130	Timescales of magma degassing Insights from U-series disequilibria, Mount Cameroon, West Africa. <i>Journal of Volcanology and Geothermal Research</i> , 2013 , 262, 38-46	2.8	6
129	How volcanoes work: A 25 year perspective. Bulletin of the Geological Society of America, 2013, 125, 664	-6.90	148
128	Evolution of crust- and core-dominated lava flows using scaling analysis. <i>Bulletin of Volcanology</i> , 2013 , 75, 1	2.4	32
127	Kimberlite Volcanism. <i>Annual Review of Earth and Planetary Sciences</i> , 2013 , 41, 497-528	15.3	78
126	Timing, origin and emplacement dynamics of mass flows offshore of SE Montserrat in the last 110 ka: Implications for landslide and tsunami hazards, eruption history, and volcanic island evolution. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 385-406	3.6	23
125	Opportunities for Innovative Publishing in the Electronic Age?. <i>Eos</i> , 2013 , 94, 116-116	1.5	1
124	Eruption of kimberlite magmas: physical volcanology, geomorphology and age of the youngest kimberlitic volcanoes known on earth (the Upper Pleistocene/Holocene Igwisi Hills volcanoes, Tanzania). <i>Bulletin of Volcanology</i> , 2012 , 74, 1621-1643	2.4	43
123	Geophysics. Monitoring volcanoes. <i>Science</i> , 2012 , 335, 1310-1	33.3	142

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122	Melt Segregation in Deep Crustal Hot Zones: a Mechanism for Chemical Differentiation, Crustal Assimilation and the Formation of Evolved Magmas. <i>Journal of Petrology</i> , 2012 , 53, 1999-2026	3.9	126
121	Magma chamber properties from integrated seismic tomography and thermal modeling at Montserrat. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13, n/a-n/a	3.6	56
120	KIMBERLITE SILLS AND DYKES ASSOCIATED WITH THE WESSELTON KIMBERLITE PIPE, KIMBERLEY, SOUTH AFRICA. <i>South African Journal of Geology</i> , 2012 , 115, 1-32	1.6	26
119	Geology of the Snap Lake kimberlite intrusion, Northwest Territories, Canada: field observations and their interpretation. <i>Journal of the Geological Society</i> , 2012 , 169, 1-16	2.7	15
118	A stress-controlled mechanism for the intensity of very large magnitude explosive eruptions. <i>Earth and Planetary Science Letters</i> , 2011 , 310, 161-166	5.3	28
117	Degassing in kimberlite: Oxygen isotope ratios in perovskites from explosive and hypabyssal kimberlites. <i>Earth and Planetary Science Letters</i> , 2011 , 312, 291-299	5.3	19
116	Geology of the BK9 kimberlite (Damtshaa, Botswana): implications for the formation of dark volcaniclastic kimberlite. <i>Bulletin of Volcanology</i> , 2011 , 73, 1029-1045	2.4	4
115	Emplacement temperatures of pyroclastic and volcaniclastic deposits in kimberlite pipes in southern Africa. <i>Bulletin of Volcanology</i> , 2011 , 73, 1063-1083	2.4	18
114	The volatile content of hypabyssal kimberlite magmas: some constraints from experiments on natural rock compositions. <i>Bulletin of Volcanology</i> , 2011 , 73, 959-981	2.4	62
113	Morphology and structure of the 1999 lava flows at Mount Cameroon Volcano (West Africa) and their bearing on the emplacement dynamics of volume-limited flows. <i>Geological Magazine</i> , 2011 , 148, 22-34	2	14
112	Extreme Environmental Events 2011 , 1035-1081		1
111	Upper crustal structure of an active volcano from refraction/reflection tomography, Montserrat, Lesser Antilles. <i>Geophysical Journal International</i> , 2010 , 180, 685-696	2.6	55
110	Effect of mechanical heterogeneity in arc crust on volcano deformation with application to SoufriBe Hills Volcano, Montserrat, West Indies. <i>Journal of Geophysical Research</i> , 2010 , 115,		44
109	Science for Humanity: Giving Generously to Our World. <i>Eos</i> , 2010 , 91, 317	1.5	
108	Three-dimensional seismic velocity tomography of Montserrat from the SEA-CALIPSO offshore/onshore experiment. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	36
107	Unique strainmeter observations of Vulcanian explosions, Soufriffe Hills Volcano, Montserrat, July 2003. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	15
106	Contrasts in morphology and deformation offshore Montserrat: New insights from the SEA-CALIPSO marine cruise data. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	16
105	Explosion dynamics from strainmeter and microbarometer observations, Soufrife Hills Volcano, Montserrat: 2008[2009. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	19

104	Growth of bultfonteinite and hydrogarnet in metasomatized basalt xenoliths in the B/K9 kimberlite, Damtshaa, Botswana: insights into hydrothermal metamorphism in kimberlite pipes. <i>Contributions To Mineralogy and Petrology</i> , 2010 , 160, 533-550	3.5	26
103	The role of gas-fluidisation in the formation of massive volcaniclastic kimberlite. <i>Lithos</i> , 2009 , 112, 439	-45.1)	37
102	Pyroclastic flow deposits from a kimberlite eruption: The Orapa South Crater, Botswana. <i>Lithos</i> , 2009 , 112, 566-578	2.9	17
101	Variations of olivine abundance and grain size in the Snap Lake kimberlite intrusion, Northwest Territories, Canada: A possible proxy for diamonds. <i>Lithos</i> , 2009 , 112, 23-35	2.9	26
100	The nature of erupting kimberlite melts. <i>Lithos</i> , 2009 , 112, 429-438	2.9	91
99	Geology of a complex kimberlite pipe (K2 pipe, Venetia Mine, South Africa): insights into conduit processes during explosive ultrabasic eruptions. <i>Bulletin of Volcanology</i> , 2009 , 71, 95-112	2.4	37
98	Depositional processes in a kimberlite crater: the Upper Cretaceous Orapa South Pipe (Botswana). <i>Sedimentology</i> , 2009 , 56, 623-643	3.3	22
97	Perovskite from the Dutoitspan kimberlite, Kimberley, South Africa: implications for magmatic processes. <i>Mineralogical Magazine</i> , 2009 , 73, 915-928	1.7	27
96	Temperature changes in ascending kimberlite magma. <i>Earth and Planetary Science Letters</i> , 2009 , 286, 404-413	5.3	65
95	Modelling ground deformation caused by oscillating overpressure in a dyke conduit at Soufrifle Hills Volcano, Montserrat. <i>Tectonophysics</i> , 2009 , 471, 87-95	3.1	59
94	Gas-fluidisation in an experimental tapered bed: Insights into processes in diverging volcanic conduits. <i>Journal of Volcanology and Geothermal Research</i> , 2008 , 174, 49-56	2.8	45
93	Degassing structures in volcaniclastic kimberlite: Examples from southern African kimberlite pipes. Journal of Volcanology and Geothermal Research, 2008, 174, 186-194	2.8	25
92	Problems with an in-vent column collapse model for the emplacement of massive volcaniclastic kimberlite. A discussion of 'In-vent column collapse as an alternative model for massive volcaniclastic kimberlite emplacement: An example from the Fox kimberlite, Ekati Diamond Mine,	2.8	11
91	NWT, Canada' by Porritt et al. [J. Volcanol. Geotherm. Res. 174, 90-102]. Journal of Volcanology and On the Welding of Pyroclasts from Very Low-Viscosity Magmas: Examples from Kimberlite Volcanoes. Journal of Geology, 2008, 116, 354-374	2	31
90	Cyclic activity at Soufrille Hills Volcano, Montserrat: degassing-induced pressurization and stick-slip extrusion. <i>Geological Society Special Publication</i> , 2008 , 307, 169-188	1.7	33
89	The sources of granitic melt in Deep Hot Zones. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2008 , 97, 297-309		50
88	Mechanically disrupted and chemically weakened zones in segmented dike systems cause vent localization: Evidence from kimberlite volcanic systems. <i>Geology</i> , 2007 , 35, 815	5	41
87	Kimberlite ascent and eruption. <i>Nature</i> , 2007 , 450, E21; discussion E22	50.4	12

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86	Petrologic constraints on the decompression history of magma prior to Vulcanian explosions at the Soufrifie Hills volcano, Montserrat. <i>Journal of Volcanology and Geothermal Research</i> , 2007 , 161, 261-274	2.8	96
85	Shallow-level decompression crystallisation and deep magma supply at Shiveluch Volcano. <i>Contributions To Mineralogy and Petrology</i> , 2007 , 155, 45-61	3.5	53
84	Controls of conduit geometry and wallrock elasticity on lava dome eruptions. <i>Earth and Planetary Science Letters</i> , 2007 , 260, 137-151	5.3	88
83	Control of magma flow in dykes on cyclic lava dome extrusion. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	91
82	From Vulcanian explosions to sustained explosive eruptions: The role of diffusive mass transfer in conduit flow dynamics. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 153, 148-165	2.8	42
81	The role of fluidisation in the formation of volcaniclastic kimberlite: Grain size observations and experimental investigation. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 155, 119-137	2.8	71
80	Dynamical constraints on kimberlite volcanism. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 155, 18-48	2.8	274
79	The 2001I2004 dome-forming eruption of Shiveluch volcano, Kamchatka: Observation, petrological investigation and numerical modelling. <i>Journal of Volcanology and Geothermal Research</i> , 2006 , 155, 201	- 2 28	56
78	Magma Evolution and Open-System Processes at Shiveluch Volcano: Insights from Phenocryst Zoning. <i>Journal of Petrology</i> , 2006 , 47, 2303-2334	3.9	189
77	Unprecedented pressure increase in deep magma reservoir triggered by lava-dome collapse. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	75
76	Submarine pyroclastic deposits formed at the Soufrië Hills volcano, Montserrat (1995\(\textbf{0}003 \)): What happens when pyroclastic flows enter the ocean?. <i>Geology</i> , 2006 , 34, 549	5	87
75	The Genesis of Intermediate and Silicic Magmas in Deep Crustal Hot Zones. <i>Journal of Petrology</i> , 2006 , 47, 505-539	3.9	1225
74	Post-emplacement serpentinization and related hydrothermal metamorphism in a kimberlite from Venetia, South Africa. <i>Journal of Metamorphic Geology</i> , 2006 , 24, 515-534	4.4	99
73	Long term exposure to respirable volcanic ash on Montserrat: a time series simulation. <i>Bulletin of Volcanology</i> , 2006 , 68, 266-284	2.4	39
72	Hornblende dehydration reactions during magma ascent at Soufrife Hills Volcano, Montserrat. <i>Contributions To Mineralogy and Petrology</i> , 2006 , 151, 121-140	3.5	37
71	Controls on conduit magma flow dynamics during lava dome building eruptions. <i>Journal of Geophysical Research</i> , 2005 , 110,		122
7º	Dynamics of magma flow inside volcanic conduits with bubble overpressure buildup and gas loss through permeable magma. <i>Journal of Volcanology and Geothermal Research</i> , 2005 , 143, 53-68	2.8	97
69	Geomorphological evolution of Montserrat (West Indies): importance of flank collapse and erosional processes. <i>Journal of the Geological Society</i> , 2004 , 161, 147-160	2.7	115

68	Origin of rhyolite and rhyodacite lavas and associated mafic inclusions of Cape Akrotiri, Santorini: the role of wet basalt in generating calcalkaline silicic magmas. <i>Contributions To Mineralogy and Petrology</i> , 2004 , 146, 397-413	3.5	49
67	The 1999 and 2000 eruptions of Mount Cameroon: eruption behaviour and petrochemistry of lava. <i>Bulletin of Volcanology</i> , 2003 , 65, 267-281	2.4	112
66	Dynamics of magma degassing. <i>Geological Society Special Publication</i> , 2003 , 213, 5-22	1.7	67
65	Forecasting volcanic eruptions. Earth and Planetary Science Letters, 2003, 210, 1-15	5.3	337
64	The eruption of Soufrife Hills Volcano, Montserrat (1995-1999): overview of scientific results. <i>Geological Society Memoir</i> , 2002 , 21, 45-69	0.4	59
63	The volcanic evolution of Montserrat using 40Ar/39Ar geochronology. <i>Geological Society Memoir</i> , 2002 , 21, 93-113	0.4	75
62	Periodic behavior in lava dome eruptions. Earth and Planetary Science Letters, 2002, 199, 173-184	5.3	131
61	Effects of repetitive emplacement of basaltic intrusions on thermal evolution and melt generation in the crust. <i>Earth and Planetary Science Letters</i> , 2002 , 203, 937-955	5.3	433
60	Mineral disequilibrium in lavas explained by convective self-mixing in open magma chambers. <i>Nature</i> , 2001 , 411, 1037-9	50.4	287
59	Fracture and surface crust development in a Holocene pahoehoe lava flow on the Island of Tenerife, Canaries. <i>Journal of Structural Geology</i> , 2001 , 23, 165-182	3	7
58	Remobilization of Andesite Magma by Intrusion of Mafic Magma at the Soufriere Hills Volcano, Montserrat, West Indies. <i>Journal of Petrology</i> , 2000 , 41, 21-42	3.9	380
57	The 1995¶998 eruption of the SoufriEe Hills volcano, Montserrat, WI. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000 , 358, 1619-1637	3	61
56	Behaviour of particle-laden flows into the ocean: experimental simulation and geological implications. <i>Sedimentology</i> , 1999 , 46, 523-536	3.3	42
55	Nonlinear dynamics of lava dome extrusion. <i>Nature</i> , 1999 , 402, 37-41	50.4	368
54	Magma flow instability and cyclic activity at soufriere hills volcano, montserrat, british west indies. <i>Science</i> , 1999 , 283, 1138-42	33.3	243
53	Dense welding caused by volatile resorption. <i>Journal of the Geological Society</i> , 1999 , 156, 217-225	2.7	86
52	The dynamics of xenolith assimilation. Contributions To Mineralogy and Petrology, 1998, 132, 21-33	3.5	37
51	Magma production and growth of the lava dome of the Soufriere Hills Volcano, Montserrat, West Indies: November 1995 to December 1997. <i>Geophysical Research Letters</i> , 1998 , 25, 3421-3424	4.9	131

50	The role of magma mixing in triggering the current eruption at the Soufriere Hills Volcano, Montserrat, West Indies. <i>Geophysical Research Letters</i> , 1998 , 25, 3433-3436	4.9	145	
49	Experimental phase equilibria constraints on pre-eruptive storage conditions of the Soufriere Hills magma. <i>Geophysical Research Letters</i> , 1998 , 25, 3437-3440	4.9	169	
48	Petrologic evidence for pre-eruptive pressure-temperature conditions, and recent reheating, of andesitic magma erupting at the Soufriere Hills Volcano, Montserrat, W.I <i>Geophysical Research Letters</i> , 1998 , 25, 3669-3672	4.9	105	
47	The explosive eruption of Soufriere Hills Volcano, Montserrat, West Indies, 17 September, 1996. Geophysical Research Letters, 1998 , 25, 3429-3432	4.9	86	
46	Pyroclastic flows generated by gravitational instability of the 1996¶7 Lava Dome of Soufriere Hills Volcano, Montserrat. <i>Geophysical Research Letters</i> , 1998 , 25, 3425-3428	4.9	124	
45	Basanite-Phonolite Lineages of the Teide-Pico Viejo Volcanic Complex, Tenerife, Canary Islands. <i>Journal of Petrology</i> , 1998 , 39, 905-936	3.9	147	
44	Causes and consequences of pressurisation in lava dome eruptions. <i>Earth and Planetary Science Letters</i> , 1997 , 150, 177-189	5.3	294	
43	Dynamics of co-ignimbrite plumes generated from pyroclastic flows of Mount St. Helens (7 August 1980). <i>Bulletin of Volcanology</i> , 1997 , 58, 432-440	2.4	19	
42	Erosion by pyroclastic flows on Lascar Volcano, Chile. Bulletin of Volcanology, 1997, 58, 557-565	2.4	85	
41	The 1984 to 1996 cyclic activity of Lascar Volcano, northern Chile: cycles of dome growth, dome subsidence, degassing and explosive eruptions. <i>Bulletin of Volcanology</i> , 1997 , 59, 72-82	2.4	121	
40	Thermodynamics and fluid dynamics of effusive subglacial eruptions. <i>Bulletin of Volcanology</i> , 1997 , 59, 219-230	2.4	77	
39	Melting of a sphere in hot fluid. <i>Journal of Fluid Mechanics</i> , 1996 , 327, 393-409	3.7	24	
38	Entrainment into two-dimensional and axisymmetric turbulent gravity currents. <i>Journal of Fluid Mechanics</i> , 1996 , 308, 289-311	3.7	152	
37	Non-explosive, constructional evolution of the ice-filled caldera at Volcti Sollipulli, Chile. <i>Bulletin of Volcanology</i> , 1996 , 58, 67-83	2.4	31	
36	Degassing during magma ascent in the Mule Creek vent (USA). Bulletin of Volcanology, 1996, 58, 117-13	302.4	141	
35	Lesions associated with mineral deposition in the lymph node and lung of the dog. <i>Veterinary Pathology</i> , 1996 , 33, 29-42	2.8	13	
34	Distribution of volcanoes in active margins. <i>Journal of Geophysical Research</i> , 1995 , 100, 20421-20432		60	
33	The ~2 ka subplinian eruption of Monta ll Blanca, Tenerife. <i>Bulletin of Volcanology</i> , 1995 , 57, 337-355	2.4	12	

32	Experimental simulations of explosive degassing of magma. <i>Nature</i> , 1994 , 372, 85-88	50.4	101
31	Experimental studies of the fluidization of layered sediments and the formation of fluid escape structures. <i>Sedimentology</i> , 1994 , 41, 233-253	3.3	178
30	Bifurcation of volcanic plumes in a crosswind. Bulletin of Volcanology, 1994, 56, 159-169	2.4	50
29	On the variations of flow rate in non-explosive lava eruptions. <i>Earth and Planetary Science Letters</i> , 1993 , 114, 505-516	5.3	81
28	Entrainment in turbulent gravity currents. <i>Nature</i> , 1993 , 362, 829-831	50.4	79
27	Morphological, structural and textural variations in the 1988¶990 andesite lava of Lonquimay Volcano, Chile. <i>Geological Magazine</i> , 1992 , 129, 657-678	2	67
26	Petrogenesis of Mafic Inclusions in Granitoids of the Adamello Massif, Italy. <i>Journal of Petrology</i> , 1992 , 33, 1039-1104	3.9	204
25	Comment on: The structure and petrogenesis of the Trallval and Ruinsival areas of the Rhum ultrabasic pluton by J. A. Volker and B. G. J. Upton. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 1991 , 82, 389-390		4
24	Charge measurements on particle fallout from a volcanic plume. <i>Nature</i> , 1991 , 349, 598-600	50.4	105
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