David M Pyle

List of Publications by Year
in descending order

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189 papers	10,527 citations	22099 59 h-index	43802 91 g-index
201 all docs	201 docs citations	201 times ranked	7378 citing authors

#	Article	IF	Citations
1	The thickness, volume and grainsize of tephra fall deposits. Bulletin of Volcanology, 1989, 51, 1-15.	1.1	647
2	The size and frequency of the largest explosive eruptions on Earth. Bulletin of Volcanology, 2004, 66, 735-748.	1.1	384
3	Middle Paleolithic Assemblages from the Indian Subcontinent Before and After the Toba Super-Eruption. Science, 2007, 317, 114-116.	6.0	304
4	The importance of volcanic emissions for the global atmospheric mercury cycle. Atmospheric Environment, 2003, 37, 5115-5124.	1.9	296
5	Wide dispersal and deposition of distal tephra during the Pleistocene â€˜Campanian Ignimbrite/Y5â€™ eruption, Italy. Quaternary Science Reviews, 2006, 25, 2713-2728.	1.4	194
6	SO2 emissions from SoufriÃ¨re Hills Volcano and their relationship to conduit permeability, hydrothermal interaction and degassing regime. Journal of Volcanology and Geothermal Research, 2003, 124, 23-43.	0.8	187
7	Halogens in igneous processes and their fluxes to the atmosphere and oceans from volcanic activity: A review. Chemical Geology, 2009, 263, 110-121.	1.4	186
8	Explosive volcanism on Santorini, Greece. Geological Magazine, 1989, 126, 95-126.	0.9	161
9	Petrogenesis of Proterozoic Lamproites and Kimberlites from the Cuddapah Basin and Dharwar Craton, Southern India. Journal of Petrology, 2004, 45, 907-948.	1.1	139
10	Halogens and trace metal emissions from the ongoing 2008 summit eruption of KÄ«lauea volcano, Hawaiʻi. Geochimica Et Cosmochimica Acta, 2012, 83, 292-323.	1.6	136
11	Petrology and geochemistry of volcanic rocks of the Cerro Galan caldera, northwest Argentina. Geological Magazine, 1989, 126, 515-547.	0.9	132
12	Volcano instability induced by strike-slip faulting. Bulletin of Volcanology, 2000, 62, 331-346.	1.1	132
13	Evolution of Santorini Volcano dominated by episodic and rapid fluxes of melt from depth. Nature Geoscience, 2012, 5, 749-754.	5.4	127
14	Tropospheric volcanic aerosol. Geophysical Monograph Series, 2003, , 189-212.	0.1	121
15	A model for degassing at the SoufriÃ¨re Hills Volcano, Montserrat, West Indies, based on geochemical data. Earth and Planetary Science Letters, 2001, 186, 159-173.	1.8	117
16	Melt inclusions track pre-eruption storage and dehydration of magmas at Etna. Geology, 2009, 37, 571-574.	2.0	110
17	Late-stage volatile saturation as a potential trigger for explosive volcanic eruptions. Nature Geoscience, 2016, 9, 249-254.	5.4	110
18	Assessment of the minimum volume of tephra fall deposits. Journal of Volcanology and Geothermal Research, 1995, 69, 379-382.	0.8	106

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19	Tephra stratigraphy and eruptive volume of the May, 2008, ChaitÃ©n eruption, Chile. Bulletin of Volcanology, 2011, 73, 613-630.	1.1	106
20	Physicochemical properties of alkali carbonatite lavas:Data from the 1988 eruption of Oldoinyo Lengai, Tanzania. Geology, 1990, 18, 260.	2.0	104
21	Structural controls on fluid pathways in an active rift system: A case study of the Aluto volcanic complex. , 2015, 11, 542-562.		104
22	Walking traverse and scanning DOAS measurements of volcanic gas emission rates. Geophysical Research Letters, 2002, 29, 46-1-46-4.	1.5	103
23	Fallout and distribution of volcanic ash over Argentina following the May 2008 explosive eruption of ChaitÃ©n, Chile. Journal of Geophysical Research, 2009, 114, .	3.3	101
24	Degassing of gaseous (elemental and reactive) and particulate mercury from Mount Etna volcano (Southern Italy). Atmospheric Environment, 2007, 41, 7377-7388.	1.9	97
25	Quantitative morphology, recent evolution, and future activity of the Kameni Islands volcano, Santorini, Greece. , 2006, 2, 253.		95
26	Mercury and halogen emissions from Masaya and Telica volcanoes, Nicaragua. Journal of Geophysical Research, 2008, 113, .	3.3	95
27	Characterization and evolution of tropospheric plumes from Lascar and Villarrica volcanoes, Chile. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	94
28	The influence of great earthquakes on volcanic eruption rate along the Chilean subduction zone. Earth and Planetary Science Letters, 2009, 277, 399-407.	1.8	94
29	Title is missing!. Journal of Atmospheric Chemistry, 2003, 46, 207-237.	1.4	93
30	The volcanic response to deglaciation: Evidence from glaciated arcs and a reassessment of global eruption records. Earth-Science Reviews, 2013, 122, 77-102.	4.0	92
31	Changes in gas composition prior to a minor explosive eruption at Masaya volcano, Nicaragua. Journal of Volcanology and Geothermal Research, 2003, 126, 327-339.	0.8	91
32	Mass and energy budgets of explosive volcanic eruptions. Geophysical Research Letters, 1995, 22, 563-566.	1.5	89
33	Mediterranean tephra stratigraphy revisited: Results from a long terrestrial sequence on Lesvos Island, Greece. Journal of Volcanology and Geothermal Research, 2007, 163, 34-54.	0.8	89
34	The role of microphysical and chemical processes in prolonging the climate forcing of the Toba Eruption. Geophysical Research Letters, 1996, 23, 2669-2672.	1.5	87
35	Recent rift-related volcanism in Afar, Ethiopia. Earth and Planetary Science Letters, 2010, 292, 409-418.	1.8	87
36	A reassessment of current volcanic emissions from the Central American arc with specific examples from Nicaragua. Journal of Volcanology and Geothermal Research, 2006, 149, 297-311.	0.8	85

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37	Episodic Quaternary volcanism in France and Germany. Journal of Quaternary Science, 2006, 21, 645-675.	1.1	85
38	Environmental effects of ashfall in Argentina from the 2008 ChaitÃ©n volcanic eruption. Journal of Volcanology and Geothermal Research, 2009, 184, 462-472.	0.8	85
39	Melting during late-stage rifting in Afar is hot and deep. Nature, 2013, 499, 70-73.	13.7	85
40	High-temperature mixtures of magmatic and atmospheric gases. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	83
41	The relationship between degassing and ground deformation at Soufriere Hills Volcano, Montserrat. Journal of Volcanology and Geothermal Research, 2000, 98, 117-126.	0.8	80
42	Compositionâ€resolved size distributions of volcanic aerosols in the Mt. Etna plumes. Journal of Geophysical Research, 2008, 113, .	3.3	79
43	Ultra-distal tephra deposits from super-eruptions: Examples from Toba, Indonesia and Taupo Volcanic Zone, New Zealand. Quaternary International, 2012, 258, 54-79.	0.7	79
44	Timescales of Magma Recharge and Reactivation of Large Silicic Systems from Ti Diffusion in Quartz. Journal of Petrology, 2012, 53, 1385-1416.	1.1	79
45	Late Quaternary tephrostratigraphy of southern Chile and Argentina. Quaternary Science Reviews, 2014, 89, 70-84.	1.4	79
46	New constraints on electron-beam induced halogen migration in apatite. American Mineralogist, 2015, 100, 281-293.	0.9	79
47	Nitric acid from volcanoes. Earth and Planetary Science Letters, 2004, 218, 17-30.	1.8	77
48	The eruptive history and magmatic evolution of Aluto volcano: new insights into silicic peralkaline volcanism in the Ethiopian rift. Journal of Volcanology and Geothermal Research, 2016, 328, 9-33.	0.8	77
49	June 1993 eruption of Oldoinyo Lengai, Tanzania: Exceptionally viscous and large carbonatite lava flows and evidence for coexisting silicate and carbonate magmas. Geology, 1994, 22, 799.	2.0	76
50	Volcanic source for fixed nitrogen in the early Earth's atmosphere. Geology, 2004, 32, 905.	2.0	76
51	New Proterozoic Kî—¸Ar ages for some kimberlites and lamproites from the Cuddapah Basin and Dharwar Craton, South India: evidence for non-contemporaneous emplacement. Precambrian Research, 1996, 79, 363-369.	1.2	75
52	Strong responses of Southern Ocean phytoplankton communities to volcanic ash. Geophysical Research Letters, 2014, 41, 2851-2857.	1.5	75
53	Improved age modelling and high-precision age estimates of late Quaternary tephras, for accurate palaeoclimate reconstruction. Journal of Volcanology and Geothermal Research, 2008, 177, 251-262.	0.8	71
54	Distinguishing contributions to diffuse CO2 emissions in volcanic areas from magmatic degassing and thermal decarbonation using soil gas 222Rnâ€“Î´13C systematics: Application to Santorini volcano, Greece. Earth and Planetary Science Letters, 2013, 377-378, 180-190.	1.8	71

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55	Sulphur emissions to the stratosphere from explosive volcanic eruptions. Bulletin of Volcanology, 1996, 57, 663-671.	1.1	69
56	Causes of unrest at silicic calderas in the East African Rift: New constraints from InSAR and soilâ€gas chemistry at Aluto volcano, Ethiopia. Geochemistry, Geophysics, Geosystems, 2016, 17, 3008-3030.	1.0	68
57	From quiescence to unrest: 20â€‰years of satellite geodetic measurements at Santorini volcano, Greece. Journal of Geophysical Research: Solid Earth, 2015, 120, 1309-1328.	1.4	67
58	Magmaâ€“cumulate mixing identified by Uâ€“Th disequilibrium dating. Nature, 1988, 331, 157-159.	13.7	65
59	Forecasting sizes and repose times of future extreme volcanic events. Geology, 1998, 26, 367.	2.0	64
60	Sizes of Volcanic Eruptions. , 2015, , 257-264.		64
61	Remote sensing of volcanoes and volcanic processes: integrating observation and modelling â€“ introduction. Geological Society Special Publication, 2013, 380, 1-13.	0.8	63
62	The tropospheric processing of acidic gases and hydrogen sulphide in volcanic gas plumes as inferred from field and model investigations. Atmospheric Chemistry and Physics, 2007, 7, 1441-1450.	1.9	61
63	Contrasting styles of post-caldera volcanism along the Main Ethiopian Rift: Implications for contemporary volcanic hazards. Journal of Volcanology and Geothermal Research, 2018, 356, 90-113.	0.8	61
64	Oxygen and sulfur isotopic composition of volcanic sulfate aerosol at the point of emission. Journal of Geophysical Research, 2006, 111, .	3.3	60
65	HCl emissions at SoufriÃ¨re Hills Volcano, Montserrat, West Indies, during a second phase of dome building: November 1999 to October 2000. Bulletin of Volcanology, 2002, 64, 21-30.	1.1	59
66	Textural analysis of magmatic enclaves from the Kameni Islands, Santorini, Greece. Journal of Volcanology and Geothermal Research, 2006, 154, 89-102.	0.8	59
67	Evolution of Natrocarbonatite from a Wollastonite Nephelinite Parent: Evidence from the June, 1993 Eruption of Oldoinyo Lengai, Tanzania. Journal of Geology, 1996, 104, 41-54.	0.7	58
68	Seasonality of volcanic eruptions. Journal of Geophysical Research, 2004, 109, .	3.3	58
69	Framing volcanic risk communication within disaster risk reduction: finding ways for the social and physical sciences to work together. Geological Society Special Publication, 2008, 305, 163-177.	0.8	58
70	The frequency and magnitude of post-glacial explosive eruptions at VolcÃ¡n Mocho-Choshuenco, southern Chile. Journal of Volcanology and Geothermal Research, 2015, 299, 103-129.	0.8	58
71	Post-eruptive flooding of Santorini caldera and implications for tsunami generation. Nature Communications, 2016, 7, 13332.	5.8	58
72	Atmospheric trace metals over the south-west Indian Ocean: Total gaseous mercury, aerosol trace metal concentrations and lead isotope ratios. Marine Chemistry, 2010, 121, 2-16.	0.9	57

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73	Quartz zoning and the pre-eruptive evolution of the ~340-ka Whakamaru magma systems, New Zealand. Contributions To Mineralogy and Petrology, 2012, 163, 87-107.	1.2	56
74	Tracking Volatile Behaviour in Sub-volcanic Plumbing Systems Using Apatite and Glass: Insights into Pre-eruptive Processes at Campi Flegrei, Italy. Journal of Petrology, 2018, 59, 2463-2492.	1.1	55
75	A pulse of mid-Pleistocene rift volcanism in Ethiopia at the dawn of modern humans. Nature Communications, 2016, 7, 13192.	5.8	54
76	Spatially Variable <scp>CO</scp>₂ Degassing in the Main Ethiopian Rift: Implications for Magma Storage, Volatile Transport, and Riftâ€Related Emissions. Geochemistry, Geophysics, Geosystems, 2017, 18, 3714-3737.	1.0	54
77	Short-lived decay series disequilibria in the natrocarbonatite lavas of Oldoinyo Lengai, Tanzania: constraints on the timing of magma genesis. Earth and Planetary Science Letters, 1991, 105, 378-396.	1.8	52
78	The volume and residence time of magma beneath active volcanoes determined by decay-series disequilibria methods. Earth and Planetary Science Letters, 1992, 112, 61-73.	1.8	52
79	The magmatic and eruptive response of arc volcanoes to deglaciation: Insights from southern Chile. Geology, 2016, 44, 251-254.	2.0	51
80	Volcanic emissions and the early Earth atmosphere. Geochimica Et Cosmochimica Acta, 2007, 71, 3673-3685.	1.6	50
81	Realâ€time simultaneous detection of volcanic Hg and SO₂ at La Fossa Crater, Vulcano (Aeolian Islands, Sicily). Geophysical Research Letters, 2007, 34, .	1.5	50
82	Pyroclastic flows and surges generated by the 25 June 1997 dome collapse, SoufriÃ¨re Hills Volcano, Montserrat. Geological Society Memoir, 2002, 21, 191-209.	0.9	49
83	Widely dispersed Quaternary tephra in Africa. Global and Planetary Change, 1999, 21, 95-112.	1.6	48
84	The vertical distribution of volcanic SO₂ plumes measured by IASI. Atmospheric Chemistry and Physics, 2016, 16, 4343-4367.	1.9	47
85	Aerosol trace metals, particle morphology and total gaseous mercury in the atmosphere of Oxford, UK. Atmospheric Environment, 2010, 44, 1524-1538.	1.9	46
86	Synchronisation of sedimentary records using tephra: A postglacial tephrochronological model for the Chilean Lake District. Quaternary Science Reviews, 2016, 137, 234-254.	1.4	46
87	Constraining magma storage conditions at a restless volcano in the Main Ethiopian Rift using phase equilibria models. Journal of Volcanology and Geothermal Research, 2017, 337, 44-61.	0.8	45
88	AshCalcâ€“a new tool for the comparison of the exponential, power-law and Weibull models of tephra deposition. Journal of Applied Volcanology, 2014, 3, .	0.7	42
89	Livelihoods, Wellbeing and the Risk to Life During Volcanic Eruptions. Frontiers in Earth Science, 2019, 7, .	0.8	42
90	Sources, size distribution, and downwind grounding of aerosols from Mount Etna. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	41

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91	The implications of H2S and H2 kinetic stability in high-T mixtures of magmatic and atmospheric gases for the production of oxidized trace species (e.g., BrO and NOx). Chemical Geology, 2009, 263, 143-150.	1.4	41
92	The magmatic plumbing system beneath Santiaguito Volcano, Guatemala. Journal of Volcanology and Geothermal Research, 2012, 237-238, 54-68.	0.8	40
93	Element variations in rhyolitic magma resulting from gas transport. Geochimica Et Cosmochimica Acta, 2013, 121, 436-451.	1.6	40
94	Holocene tephrochronology of the Hualaihue region (Andean southern volcanic zone, âˆ¼42Â° S), southern Chile. Quaternary International, 2011, 246, 324-343.	0.7	39
95	Halogen emissions from a small volcanic eruption: Modeling the peak concentrations, dispersion, and volcanically induced ozone loss in the stratosphere. Geophysical Research Letters, 2006, 33, .	1.5	37
96	Insights into the behaviour of S, F, and Cl at Santiaguito Volcano, Guatemala, from apatite and glass. Lithos, 2015, 232, 375-394.	0.6	37
97	Bubble migration and the initiation of volcanic eruptions. Journal of Volcanology and Geothermal Research, 1995, 67, 227-232.	0.8	36
98	The role of crystal frameworks in the preservation of enclaves during magma mixing. Earth and Planetary Science Letters, 2006, 248, 787-799.	1.8	36
99	Volcanogenic Pseudo-Fossils from the âˆ¼3.48â€‰Ga Dresser Formation, Pilbara, Western Australia. Astrobiology, 2018, 18, 539-555.	1.5	36
100	Vulcanian explosion cycles: Patterns and predictability. Geology, 2007, 35, 839.	2.0	35
101	Fumarole compositions and mercury emissions from the Tatun Volcanic Field, Taiwan: Results from multi-component gas analyser, portable mercury spectrometer and direct sampling techniques. Journal of Volcanology and Geothermal Research, 2008, 178, 636-643.	0.8	35
102	The evolution of magma during continental rifting: New constraints from the isotopic and trace element signatures of silicic magmas from Ethiopian volcanoes. Earth and Planetary Science Letters, 2018, 489, 203-218.	1.8	35
103	Eruptive activity of the Santorini Volcano controlled by sea-level rise and fall. Nature Geoscience, 2021, 14, 586-592.	5.4	35
104	The use of tree-rings and foliage as an archive of volcanogenic cation deposition. Environmental Pollution, 2007, 148, 48-61.	3.7	34
105	Arc magma compositions controlled by linked thermal and chemical gradients above the subducting slab. Geophysical Research Letters, 2013, 40, 2550-2556.	1.5	32
106	Volcanic ash supply to the surface oceanÃ¢â‚¬â€remote sensing of biological responses and their wider biogeochemical significance. Frontiers in Marine Science, 2015, 2, .	1.2	32
107	Airborne thermal remote sensing of the VolcÃ¡n de Colima (Mexico) lava dome from 2007 to 2010. Geological Society Special Publication, 2013, 380, 203-228.	0.8	31
108	Sweet chestnut (Castanea sativa) leaves as a bio-indicator of volcanic gas, aerosol and ash deposition onto the flanks of Mt Etna in 2005â€“2007. Journal of Volcanology and Geothermal Research, 2009, 179, 107-119.	0.8	30

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109	Size distributions of fine silicate and other particles in Masaya's volcanic plume. Journal of Geophysical Research, 2009, 114, .	3.3	30
110	Cyclical patterns in volcanic degassing revealed by SO2 flux timeseries analysis: An application to SoufriÃ¨re Hills Volcano, Montserrat. Earth and Planetary Science Letters, 2013, 375, 209-221.	1.8	30
111	Geochemistry and evolution of the Santiaguito volcanic dome complex, Guatemala. Journal of Volcanology and Geothermal Research, 2013, 252, 92-107.	0.8	29
112	Compositional variability in mafic arc magmas over short spatial and temporal scales: Evidence for the signature of mantle reactive melt channels. Earth and Planetary Science Letters, 2016, 456, 66-77.	1.8	29
113	The role of melt composition on aqueous fluid vs. silicate melt partitioning of bromine in magmas. Earth and Planetary Science Letters, 2018, 498, 450-463.	1.8	29
114	Petrology and Geochemistry of the Lamongan Volcanic Field, East Java, Indonesia: Primitive Sunda Arc Magmas in an Extensional Tectonic Setting?. Journal of Petrology, 2001, 42, 1643-1683.	1.1	28
115	Caldera-forming eruptions of the Quaternary Kone Volcanic Complex, Ethiopia. Journal of African Earth Sciences, 2010, 58, 51-66.	0.9	28
116	Petrology and Geochemistry of Oldoinyo Lengai Lavas Extruded in November 1988: Magma Source, Ascent and Crystallization. IAVCEI Proceedings in Volcanology, 1995, , 47-69.	0.4	27
117	Open-path Fourier transform spectroscopy of gas emissions from Oldoinyo Lengai volcano, Tanzania. Optics and Lasers in Engineering, 2002, 37, 203-214.	2.0	27
118	Co-eruptive subsidence at Galeras identified during an InSAR survey of Colombian volcanoes (2006â€“2009). Journal of Volcanology and Geothermal Research, 2011, 202, 228-240.	0.8	27
119	Bioindication of volcanic mercury (Hg) deposition around Mt. Etna (Sicily). Chemical Geology, 2012, 310-311, 12-22.	1.4	27
120	Explosive volcanic activity on Venus: The roles of volatile contribution, degassing, and external environment. Planetary and Space Science, 2015, 113-114, 33-48.	0.9	27
121	The global impact of the Minoan eruption of Santorini, Greece. Environmental Geology, 1997, 30, 59-61.	1.2	26
122	Satellite observations of fumarole activity at Aluto volcano, Ethiopia: Implications for geothermal monitoring and volcanic hazard. Journal of Volcanology and Geothermal Research, 2017, 341, 70-83.	0.8	26
123	Geology, petrology and geochemistry of the dome complex of Huequi volcano, southern Chile.. Andean Geology, 2011, 38, 335.	0.2	26
124	Multiple timescales of cyclical behaviour observed at two dome-forming eruptions. Journal of Volcanology and Geothermal Research, 2014, 284, 106-121.	0.8	24
125	Measurements of the complex refractive index of volcanic ash at 450, 546.7, and 650â€‰nm. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7747-7757.	1.2	24
126	Meteorological Controls on Local and Regional Volcanic Ash Dispersal. Scientific Reports, 2018, 8, 6873.	1.6	23

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127	A New Parameterization of Volcanic Ash Complex Refractive Index Based on NBO/T and SiO₂ Content. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1779-1797.	1.2	23
128	A statistical model for the timing of earthquakes and volcanic eruptions influenced by periodic processes. Journal of Geophysical Research, 2004, 109, .	3.3	22
129	Scanning tomography of SO₂ distribution in a volcanic gas plume. Geophysical Research Letters, 2008, 35, .	1.5	22
130	Landslide and tsunami hazard at Yate volcano, Chile as an example of edifice destruction on strike-slip fault zones. Bulletin of Volcanology, 2009, 71, 559-574.	1.1	21
131	Santorini Volcano and its Plumbing System. Elements, 2019, 15, 177-184.	0.5	21
132	Rapid oxidation of mercury (Hg) at volcanic vents: Insights from high temperature thermodynamic models of Mt Etna's emissions. Chemical Geology, 2011, 283, 279-286.	1.4	20
133	The 1902â€“3 eruptions of the SoufriÃ¨re, St Vincent: Impacts, relief and response. Journal of Volcanology and Geothermal Research, 2018, 356, 183-199.	0.8	20
134	The control of chamber geometry on triggering volcanic eruptions. Earth and Planetary Science Letters, 1997, 151, 155-166.	1.8	19
135	Glaciovolcanism at VolcÃ¡n Sollipulli, southern Chile: Lithofacies analysis and interpretation. Journal of Volcanology and Geothermal Research, 2015, 303, 59-78.	0.8	19
136	Reconstruction of total grain size distribution of the climactic phase of a long-lasting eruption: the example of the 2008â€“2013 ChaitÃ©n eruption. Bulletin of Volcanology, 2016, 78, 1.	1.1	19
137	A new set of standards for inâ€situ measurement of bromine abundances in natural silicate glasses: Application to SR-XRF, LA-ICP-MS and SIMS techniques. Chemical Geology, 2017, 452, 60-70.	1.4	19
138	The Geomorphology, Structure, and Lava Flow Dynamics of Peralkaline Rift Volcanoes From Highâ€Resolution Digital Elevation Models. Geochemistry, Geophysics, Geosystems, 2019, 20, 1508-1538.	1.0	18
139	ICEâ€CORE ACIDITY PEAKS, RETARDED TREE GROWTH AND PUTATIVE ERUPTIONS. Archaeometry, 1989, 31, 88-91	0.6	17
140	Two phases of sulphide saturation in RÃ©union magmas: Evidence from cumulates. Earth and Planetary Science Letters, 2012, 337-338, 104-113.	1.8	17
141	Constraining timescales of focused magmatic accretion and extension in the Afar crust using lava geochronology. Nature Communications, 2013, 4, 1416.	5.8	17
142	How did the summer go?. Nature, 1998, 393, 415-417.	13.7	15
143	Information about open-system magma chambers derived from textures in magmatic enclaves: the Kameni Islands, Santorini, Greece. Geological Magazine, 2005, 142, 637-649.	0.9	15
144	Observations of the plume generated by the December 2005 oil depot explosions and prolonged fire at Buncefield (Hertfordshire, UK) and associated atmospheric changes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 1153-1177.	1.0	15

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145	Visualising volcanic gas plumes with virtual globes. Computers and Geosciences, 2009, 35, 1837-1842.	2.0	15
146	Thermal imaging and analysis of short-lived Vulcanian explosions at VolcÃ¡n de Colima, Mexico. Journal of Volcanology and Geothermal Research, 2014, 278-279, 132-145.	0.8	14
147	The distribution of volcanism in the Betaâ€Atlaâ€Themis region of Venus: Its relationship to rifting and implications for global tectonic regimes. Journal of Geophysical Research E: Planets, 2017, 122, 1626-1649.	1.5	14
148	Mixing and Crystal Scavenging in the Main Ethiopian Rift Revealed by Trace Element Systematics in Feldspars and Glasses. Geochemistry, Geophysics, Geosystems, 2019, 20, 230-259.	1.0	14
149	Mapping Recent Shoreline Changes Spanning the Lateral Collapse of Anak Krakatau Volcano, Indonesia. Applied Sciences (Switzerland), 2020, 10, 536.	1.3	14
150	Volcanic emissions of mercury to the atmosphere: global and regional inventories. Comment. Science of the Total Environment, 2004, 327, 323-329.	3.9	13
151	Morphological comparison of distributed volcanic fields in the Main Ethiopian Rift using high-resolution digital elevation models. Journal of Volcanology and Geothermal Research, 2020, 393, 106732.	0.8	13
152	Deciphering variable mantle sources and hydrous inputs to arc magmas in Kamchatka. Earth and Planetary Science Letters, 2021, 562, 116848.	1.8	13
153	Impact of climate change on volcanic processes: current understanding and future challenges. Bulletin of Volcanology, 2022, 84, .	1.1	13
154	On the â€œClimatic Effectivenessâ€•of Volcanic Eruptions. Quaternary Research, 1992, 37, 125-129.	1.0	12
155	Rainwater and ash leachate analysis as proxies for plume chemistry at SoufriÃ¨re Hills volcano, Montserrat. Geological Society Special Publication, 2003, 213, 203-218.	0.8	12
156	Investigation of the use of filter packs to measure the sulphur isotopic composition of volcanic sulphur dioxide and the sulphur and oxygen isotopic composition of volcanic sulphate aerosol. Atmospheric Environment, 2008, 42, 4611-4618.	1.9	12
157	Major and trace element distributions around active volcanic vents determined by analyses of grasses: implications for element cycling and bio-monitoring. Bulletin of Volcanology, 2010, 72, 1009-1020.	1.1	12
158	Long-range correlations identified in time-series of volcano seismicity during dome-forming eruptions using detrended fluctuation analysis. Journal of Volcanology and Geothermal Research, 2013, 264, 197-209.	0.8	12
159	Evidence of mid- to late-Holocene explosive rhyolitic eruptions from ChaitÃ©n Volcano, Chile. Andean Geology, 2013, 40, .	0.2	11
160	Physical volcanology of the Gubisa Formation, Kone Volcanic Complex, Ethiopia. Journal of African Earth Sciences, 2014, 96, 212-219.	0.9	10
161	An Exceptionally Thick Middle Pleistocene Tephra Layer from Epirus, Greece. Quaternary Research, 1998, 49, 280-286.	1.0	9
162	A Deep Active Learning Approach to the Automatic Classification of Volcano-Seismic Events. Frontiers in Earth Science, 2022, 10, .	0.8	9

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163	Reply: Correlation of a widespread Pleistocene tephra marker from the Nisyrosâ€“Yali volcanic complex, Greece. Journal of Volcanology and Geothermal Research, 2009, 181, 251-254.	0.8	8
164	Quiescentâ€explosive transitions during domeâ€forming volcanic eruptions: Using seismicity to probe the volcanic processes leading to the 29 July 2008 vulcanian explosion of SoufriÃ¨re Hills Volcano, Montserrat. Journal of Geophysical Research: Solid Earth, 2016, 121, 8453-8471.	1.4	8
165	Larnitic kirschsteinite from the Kotakonda kimberlite, Andhra Pradesh, India. Mineralogical Magazine, 1996, 60, 513-516.	0.6	7
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