

David M Pyle

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3671244/publications.pdf>

Version: 2024-02-01

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	A Deep Active Learning Approach to the Automatic Classification of Volcano-Seismic Events. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	9
2	Disaster aid? Mapping historical responses to volcanic eruptions from 1800â€“2000 in the Englishâ€“speaking Eastern Caribbean: their role in creating vulnerabilities. <i>Disasters</i> , 2022, 46, .	1.1	6
3	Impact of climate change on volcanic processes: current understanding and future challenges. <i>Bulletin of Volcanology</i> , 2022, 84, .	1.1	13
4	Stratigraphy and eruptive history of Corbetti Caldera in the Main Ethiopian Rift. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 428, 107580.	0.8	4
5	Geochronology and glass geochemistry of major Pleistocene eruptions in the Main Ethiopian Rift: Towards a regional tephrostratigraphy. <i>Quaternary Science Reviews</i> , 2022, 290, 107601.	1.4	7
6	Deciphering variable mantle sources and hydrous inputs to arc magmas in Kamchatka. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116848.	1.8	13
7	Eruptive activity of the Santorini Volcano controlled by sea-level rise and fall. <i>Nature Geoscience</i> , 2021, 14, 586-592.	5.4	35
8	Morphological comparison of distributed volcanic fields in the Main Ethiopian Rift using high-resolution digital elevation models. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 393, 106732.	0.8	13
9	Mapping Recent Shoreline Changes Spanning the Lateral Collapse of Anak Krakatau Volcano, Indonesia. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 536.	1.3	14
10	Historical records of volcanic eruptions deserve more attention. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 183-184.	12.2	6
11	Understanding the timing of eruption end using a machine learning approach to classification of seismic time series. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 401, 106917.	0.8	7
12	Santorini Volcano and its Plumbing System. <i>Elements</i> , 2019, 15, 177-184.	0.5	21
13	Livelihoods, Wellbeing and the Risk to Life During Volcanic Eruptions. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	42
14	The Geomorphology, Structure, and Lava Flow Dynamics of Peralkaline Rift Volcanoes From Highâ€“Resolution Digital Elevation Models. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1508-1538.	1.0	18
15	A New Parameterization of Volcanic Ash Complex Refractive Index Based on NBO/T and SiO ₂ Content. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1779-1797.	1.2	23
16	Mixing and Crystal Scavenging in the Main Ethiopian Rift Revealed by Trace Element Systematics in Feldspars and Glasses. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 230-259.	1.0	14
17	Volcanogenic Pseudo-Fossils from the ^{43.48} Ga Dresser Formation, Pilbara, Western Australia. <i>Astrobiology</i> , 2018, 18, 539-555.	1.5	36
18	Contrasting styles of post-caldera volcanism along the Main Ethiopian Rift: Implications for contemporary volcanic hazards. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 356, 90-113.	0.8	61

#	ARTICLE	IF	CITATIONS
19	Meteorological Controls on Local and Regional Volcanic Ash Dispersal. <i>Scientific Reports</i> , 2018, 8, 6873.	1.6	23
20	The 1902â€“3 eruptions of the SoufriÃˆre, St Vincent: Impacts, relief and response. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 356, 183-199.	0.8	20
21	The evolution of magma during continental rifting: New constraints from the isotopic and trace element signatures of silicic magmas from Ethiopian volcanoes. <i>Earth and Planetary Science Letters</i> , 2018, 489, 203-218.	1.8	35
22	Tracking Volatile Behaviour in Sub-volcanic Plumbing Systems Using Apatite and Glass: Insights into Pre-eruptive Processes at Campi Flegrei, Italy. <i>Journal of Petrology</i> , 2018, 59, 2463-2492.	1.1	55
23	The role of melt composition on aqueous fluid vs. silicate melt partitioning of bromine in magmas. <i>Earth and Planetary Science Letters</i> , 2018, 498, 450-463.	1.8	29
24	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. <i>Chemical Geology</i> , 2017, 452, 60-70.	1.4	19
25	Satellite observations of fumarole activity at Aluto volcano, Ethiopia: Implications for geothermal monitoring and volcanic hazard. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 341, 70-83.	0.8	26
26	Constraining magma storage conditions at a restless volcano in the Main Ethiopian Rift using phase equilibria models. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 337, 44-61.	0.8	45
27	Spatially Variable CO_2 Degassing in the Main Ethiopian Rift: Implications for Magma Storage, Volatile Transport, and Rift-Related Emissions. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3714-3737.	1.0	54
28	The distribution of volcanism in the Betaâ€“Atlâ€“Themis region of Venus: Its relationship to rifting and implications for global tectonic regimes. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1626-1649.	1.5	14
29	Visions of Volcanoes. 19: Interdisciplinary Studies in the Long Nineteenth Century, 2017, .	0.1	0
30	Quiescentâ€“explosive transitions during domeâ€“forming volcanic eruptions: Using seismicity to probe the volcanic processes leading to the 29 July 2008 vulcanian explosion of SoufriÃˆre Hills Volcano, Montserrat. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 8453-8471.	1.4	8
31	The magmatic and eruptive response of arc volcanoes to deglaciation: Insights from southern Chile. <i>Geology</i> , 2016, 44, 251-254.	2.0	51
32	The eruptive history and magmatic evolution of Aluto volcano: new insights into silicic peralkaline volcanism in the Ethiopian rift. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 328, 9-33.	0.8	77
33	Compositional variability in mafic arc magmas over short spatial and temporal scales: Evidence for the signature of mantle reactive melt channels. <i>Earth and Planetary Science Letters</i> , 2016, 456, 66-77.	1.8	29
34	Post-eruptive flooding of Santorini caldera and implications for tsunami generation. <i>Nature Communications</i> , 2016, 7, 13332.	5.8	58
35	Causes of unrest at silicic calderas in the East African Rift: New constraints from InSAR and soilâ€“gas chemistry at Aluto volcano, Ethiopia. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3008-3030.	1.0	68
36	A pulse of mid-Pleistocene rift volcanism in Ethiopia at the dawn of modern humans. <i>Nature Communications</i> , 2016, 7, 13192.	5.8	54

#	ARTICLE	IF	CITATIONS
37	The vertical distribution of volcanic SO ₂ plumes measured by IASI. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4343-4367.	1.9	47
38	Reconstruction of total grain size distribution of the climactic phase of a long-lasting eruption: the example of the 2008–2013 Chait�n eruption. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	1.1	19
39	Late-stage volatile saturation as a potential trigger for explosive volcanic eruptions. <i>Nature Geoscience</i> , 2016, 9, 249-254.	5.4	110
40	Synchronisation of sedimentary records using tephra: A postglacial tephrochronological model for the Chilean Lake District. <i>Quaternary Science Reviews</i> , 2016, 137, 234-254.	1.4	46
41	Insights into the behaviour of S, F, and Cl at Santiaguito Volcano, Guatemala, from apatite and glass. <i>Lithos</i> , 2015, 232, 375-394.	0.6	37
42	Measurements of the complex refractive index of volcanic ash at 450, 546.7, and 650 nm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7747-7757.	1.2	24
43	Volcanic emissions: short-term perturbations, long-term consequences and global environmental change. , 2015, , 208-227.		3
44	Volcanic ash supply to the surface ocean – remote sensing of biological responses and their wider biogeochemical significance. <i>Frontiers in Marine Science</i> , 2015, 2, .	1.2	32
45	From quiescence to unrest: 20 years of satellite geodetic measurements at Santorini volcano, Greece. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1309-1328.	1.4	67
46	Explosive volcanic activity on Venus: The roles of volatile contribution, degassing, and external environment. <i>Planetary and Space Science</i> , 2015, 113-114, 33-48.	0.9	27
47	New constraints on electron-beam induced halogen migration in apatite. <i>American Mineralogist</i> , 2015, 100, 281-293.	0.9	79
48	Structural controls on fluid pathways in an active rift system: A case study of the Aluto volcanic complex. , 2015, 11, 542-562.		104
49	The frequency and magnitude of post-glacial explosive eruptions at Volc�n Mocho-Choshuenco, southern Chile. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 299, 103-129.	0.8	58
50	Sizes of Volcanic Eruptions. , 2015, , 257-264.		64
51	Glaciovolcanism at Volc�n Sollipulli, southern Chile: Lithofacies analysis and interpretation. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 303, 59-78.	0.8	19
52	Multiple timescales of cyclical behaviour observed at two dome-forming eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 284, 106-121.	0.8	24
53	Strong responses of Southern Ocean phytoplankton communities to volcanic ash. <i>Geophysical Research Letters</i> , 2014, 41, 2851-2857.	1.5	75
54	Thermal imaging and analysis of short-lived Vulcanian explosions at Volc�n de Colima, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 278-279, 132-145.	0.8	14

#	ARTICLE	IF	CITATIONS
55	Late Quaternary teprostratigraphy of southern Chile and Argentina. <i>Quaternary Science Reviews</i> , 2014, 89, 70-84.	1.4	79
56	Physical volcanology of the Gubisa Formation, Kone Volcanic Complex, Ethiopia. <i>Journal of African Earth Sciences</i> , 2014, 96, 212-219.	0.9	10
57	AshCalc – a new tool for the comparison of the exponential, power-law and Weibull models of tephra deposition. <i>Journal of Applied Volcanology</i> , 2014, 3, .	0.7	42
58	Element variations in rhyolitic magma resulting from gas transport. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 436-451.	1.6	40
59	Long-range correlations identified in time-series of volcano seismicity during dome-forming eruptions using detrended fluctuation analysis. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 264, 197-209.	0.8	12
60	Airborne thermal remote sensing of the Volc�n de Colima (Mexico) lava dome from 2007 to 2010. <i>Geological Society Special Publication</i> , 2013, 380, 203-228.	0.8	31
61	Remote sensing of volcanoes and volcanic processes: integrating observation and modelling – introduction. <i>Geological Society Special Publication</i> , 2013, 380, 1-13.	0.8	63
62	Distinguishing contributions to diffuse CO2 emissions in volcanic areas from magmatic degassing and thermal decarbonation using soil gas ^{222}Rn – ^{13}C systematics: Application to Santorini volcano, Greece. <i>Earth and Planetary Science Letters</i> , 2013, 377-378, 180-190.	1.8	71
63	Cyclical patterns in volcanic degassing revealed by SO2 flux timeseries analysis: An application to Soufriere Hills Volcano, Montserrat. <i>Earth and Planetary Science Letters</i> , 2013, 375, 209-221.	1.8	30
64	Geochemistry and evolution of the Santiaguito volcanic dome complex, Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 252, 92-107.	0.8	29
65	The volcanic response to deglaciation: Evidence from glaciated arcs and a reassessment of global eruption records. <i>Earth-Science Reviews</i> , 2013, 122, 77-102.	4.0	92
66	Melting during late-stage rifting in Afar is hot and deep. <i>Nature</i> , 2013, 499, 70-73.	13.7	85
67	Constraining timescales of focused magmatic accretion and extension in the Afar crust using lava geochronology. <i>Nature Communications</i> , 2013, 4, 1416.	5.8	17
68	Arc magma compositions controlled by linked thermal and chemical gradients above the subducting slab. <i>Geophysical Research Letters</i> , 2013, 40, 2550-2556.	1.5	32
69	Evidence of mid- to late-Holocene explosive rhyolitic eruptions from Chait�n Volcano, Chile. <i>Andean Geology</i> , 2013, 40, .	0.2	11
70	Small volcanic eruptions and the stratospheric sulfate aerosol burden. <i>Environmental Research Letters</i> , 2012, 7, 031001.	2.2	4
71	Ultra-distal tephra deposits from super-eruptions: Examples from Toba, Indonesia and Taupo Volcanic Zone, New Zealand. <i>Quaternary International</i> , 2012, 258, 54-79.	0.7	79
72	Evolution of Santorini Volcano dominated by episodic and rapid fluxes of melt from depth. <i>Nature Geoscience</i> , 2012, 5, 749-754.	5.4	127

#	ARTICLE	IF	CITATIONS
73	Two phases of sulphide saturation in R ² Öunion magmas: Evidence from cumulates. <i>Earth and Planetary Science Letters</i> , 2012, 337-338, 104-113.	1.8	17
74	Bioindication of volcanic mercury (Hg) deposition around Mt. Etna (Sicily). <i>Chemical Geology</i> , 2012, 310-311, 12-22.	1.4	27
75	Halogens and trace metal emissions from the ongoing 2008 summit eruption of K ² «lauea volcano, Hawai'i. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 83, 292-323.	1.6	136
76	Timescales of Magma Recharge and Reactivation of Large Silicic Systems from Ti Diffusion in Quartz. <i>Journal of Petrology</i> , 2012, 53, 1385-1416.	1.1	79
77	The magmatic plumbing system beneath Santiaguito Volcano, Guatemala. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 237-238, 54-68.	0.8	40
78	Quartz zoning and the pre-eruptive evolution of the ~340-ka Whakamaru magma systems, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 87-107.	1.2	56
79	Rapid oxidation of mercury (Hg) at volcanic vents: Insights from high temperature thermodynamic models of Mt Etna's emissions. <i>Chemical Geology</i> , 2011, 283, 279-286.	1.4	20
80	Holocene tephrochronology of the Hualaihue region (Andean southern volcanic zone, $\hat{a}^{\wedge}1/442\hat{A}^{\circ}$ S), southern Chile. <i>Quaternary International</i> , 2011, 246, 324-343.	0.7	39
81	Co-eruptive subsidence at Galeras identified during an InSAR survey of Colombian volcanoes (2006 \hat{a} €“2009). <i>Journal of Volcanology and Geothermal Research</i> , 2011, 202, 228-240.	0.8	27
82	Tephra stratigraphy and eruptive volume of the May, 2008, Chait ² ©n eruption, Chile. <i>Bulletin of Volcanology</i> , 2011, 73, 613-630.	1.1	106
83	Geology, petrology and geochemistry of the dome complex of Huequi volcano, southern Chile.. <i>Andean Geology</i> , 2011, 38, 335.	0.2	26
84	Atmospheric trace metals over the south-west Indian Ocean: Total gaseous mercury, aerosol trace metal concentrations and lead isotope ratios. <i>Marine Chemistry</i> , 2010, 121, 2-16.	0.9	57
85	Major and trace element distributions around active volcanic vents determined by analyses of grasses: implications for element cycling and bio-monitoring. <i>Bulletin of Volcanology</i> , 2010, 72, 1009-1020.	1.1	12
86	Aerosol trace metals, particle morphology and total gaseous mercury in the atmosphere of Oxford, UK. <i>Atmospheric Environment</i> , 2010, 44, 1524-1538.	1.9	46
87	Caldera-forming eruptions of the Quaternary Kone Volcanic Complex, Ethiopia. <i>Journal of African Earth Sciences</i> , 2010, 58, 51-66.	0.9	28
88	Recent rift-related volcanism in Afar, Ethiopia. <i>Earth and Planetary Science Letters</i> , 2010, 292, 409-418.	1.8	87
89	Melt inclusions track pre-eruption storage and dehydration of magmas at Etna. <i>Geology</i> , 2009, 37, 571-574.	2.0	110
90	Sweet chestnut (<i>Castanea sativa</i>) leaves as a bio-indicator of volcanic gas, aerosol and ash deposition onto the flanks of Mt Etna in 2005 \hat{a} €“2007. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 179, 107-119.	0.8	30

#	ARTICLE	IF	CITATIONS
91	Reply: Correlation of a widespread Pleistocene tephra marker from the Nisyros-Yali volcanic complex, Greece. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 181, 251-254.	0.8	8
92	Environmental effects of ashfall in Argentina from the 2008 Chait�n volcanic eruption. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 184, 462-472.	0.8	85
93	Visualising volcanic gas plumes with virtual globes. <i>Computers and Geosciences</i> , 2009, 35, 1837-1842.	2.0	15
94	Landslide and tsunami hazard at Yate volcano, Chile as an example of edifice destruction on strike-slip fault zones. <i>Bulletin of Volcanology</i> , 2009, 71, 559-574.	1.1	21
95	The influence of great earthquakes on volcanic eruption rate along the Chilean subduction zone. <i>Earth and Planetary Science Letters</i> , 2009, 277, 399-407.	1.8	94
96	Halogens in igneous processes and their fluxes to the atmosphere and oceans from volcanic activity: A review. <i>Chemical Geology</i> , 2009, 263, 110-121.	1.4	186
97	The implications of H ₂ S and H ₂ kinetic stability in high-T mixtures of magmatic and atmospheric gases for the production of oxidized trace species (e.g., BrO and NO _x). <i>Chemical Geology</i> , 2009, 263, 143-150.	1.4	41
98	Fallout and distribution of volcanic ash over Argentina following the May 2008 explosive eruption of Chait�n, Chile. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	101
99	Size distributions of fine silicate and other particles in Masaya's volcanic plume. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	30
100	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. <i>Atmospheric Environment</i> , 2008, 42, 4611-4618.	1.9	12
101	Improved age modelling and high-precision age estimates of late Quaternary tephras, for accurate palaeoclimate reconstruction. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 251-262.	0.8	71
102	Fumarole compositions and mercury emissions from the Tatun Volcanic Field, Taiwan: Results from multi-component gas analyser, portable mercury spectrometer and direct sampling techniques. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 178, 636-643.	0.8	35
103	Mercury and halogen emissions from Masaya and Telica volcanoes, Nicaragua. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	95
104	Composition-resolved size distributions of volcanic aerosols in the Mt. Etna plumes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	79
105	Scanning tomography of SO ₂ distribution in a volcanic gas plume. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	22
106	Framing volcanic risk communication within disaster risk reduction: finding ways for the social and physical sciences to work together. <i>Geological Society Special Publication</i> , 2008, 305, 163-177.	0.8	58
107	Middle Paleolithic Assemblages from the Indian Subcontinent Before and After the Toba Super-Eruption. <i>Science</i> , 2007, 317, 114-116.	6.0	304
108	Vulcanian explosion cycles: Patterns and predictability. <i>Geology</i> , 2007, 35, 839.	2.0	35

#	ARTICLE	IF	CITATIONS
109	The tropospheric processing of acidic gases and hydrogen sulphide in volcanic gas plumes as inferred from field and model investigations. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 1441-1450.	1.9	61
110	The use of tree-rings and foliage as an archive of volcanogenic cation deposition. <i>Environmental Pollution</i> , 2007, 148, 48-61.	3.7	34
111	Volcanic emissions and the early Earth atmosphere. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3673-3685.	1.6	50
112	Real-time simultaneous detection of volcanic Hg and SO ₂ at La Fossa Crater, Vulcano (Aeolian Islands, Sicily). <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	50
113	Correction to "Oxygen and sulphur isotope composition of volcanic sulphate aerosol at the point of emission". <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	1
114	Observations of the plume generated by the December 2005 oil depot explosions and prolonged fire at Buncefield (Hertfordshire, UK) and associated atmospheric changes. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007, 463, 1153-1177.	1.0	15
115	Degassing of gaseous (elemental and reactive) and particulate mercury from Mount Etna volcano (Southern Italy). <i>Atmospheric Environment</i> , 2007, 41, 7377-7388.	1.9	97
116	Mediterranean tephra stratigraphy revisited: Results from a long terrestrial sequence on Lesvos Island, Greece. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 163, 34-54.	0.8	89
117	High-temperature mixtures of magmatic and atmospheric gases. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	1.0	83
118	Sources, size distribution, and downwind grounding of aerosols from Mount Etna. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	41
119	Oxygen and sulfur isotopic composition of volcanic sulfate aerosol at the point of emission. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	60
120	Halogen emissions from a small volcanic eruption: Modeling the peak concentrations, dispersion, and volcanically induced ozone loss in the stratosphere. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	37
121	The role of crystal frameworks in the preservation of enclaves during magma mixing. <i>Earth and Planetary Science Letters</i> , 2006, 248, 787-799.	1.8	36
122	Wide dispersal and deposition of distal tephra during the Pleistocene "Campanian Ignimbrite/Y5" eruption, Italy. <i>Quaternary Science Reviews</i> , 2006, 25, 2713-2728.	1.4	194
123	Quantitative morphology, recent evolution, and future activity of the Kameni Islands volcano, Santorini, Greece. , 2006, 2, 253.		95
124	Investigation of near-source basaltic glasses using ⁵⁷ Fe Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2006, 166, 705-708.	0.2	1
125	A reassessment of current volcanic emissions from the Central American arc with specific examples from Nicaragua. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 149, 297-311.	0.8	85
126	Textural analysis of magmatic enclaves from the Kameni Islands, Santorini, Greece. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 154, 89-102.	0.8	59

#	ARTICLE	IF	CITATIONS
127	Episodic Quaternary volcanism in France and Germany. <i>Journal of Quaternary Science</i> , 2006, 21, 645-675.	1.1	85
128	Investigation of near-source basaltic glasses using ^{57}Fe Mössbauer spectroscopy. , 2006, , 705-708.		0
129	The regional influence of volcanic emissions from Popocatepetl, Mexico: Discussion of the measurement of aerosol particles, gases and flux radiation in the Pico de Orizaba National Park, and its relationship to air pollution transport; Márquez et al., 2005, <i>Atmospheric Environment</i> , 39, 3877-3890. <i>Atmospheric Environment</i> , 2005, 39, 6475-6478.	1.9	2
130	Information about open-system magma chambers derived from textures in magmatic enclaves: the Kameni Islands, Santorini, Greece. <i>Geological Magazine</i> , 2005, 142, 637-649.	0.9	15
131	Petrogenesis of Proterozoic Lamproites and Kimberlites from the Cuddapah Basin and Dharwar Craton, Southern India: a Reply. <i>Journal of Petrology</i> , 2005, 46, 1081-1084.	1.1	5
132	Volcanic emissions of mercury to the atmosphere: global and regional inventories. <i>Comment. Science of the Total Environment</i> , 2004, 327, 323-329.	3.9	13
133	The size and frequency of the largest explosive eruptions on Earth. <i>Bulletin of Volcanology</i> , 2004, 66, 735-748.	1.1	384
134	Petrogenesis of Proterozoic Lamproites and Kimberlites from the Cuddapah Basin and Dharwar Craton, Southern India. <i>Journal of Petrology</i> , 2004, 45, 907-948.	1.1	139
135	Characterization and evolution of tropospheric plumes from Lascar and Villarrica volcanoes, Chile. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	94
136	Nitric acid from volcanoes. <i>Earth and Planetary Science Letters</i> , 2004, 218, 17-30.	1.8	77
137	A statistical model for the timing of earthquakes and volcanic eruptions influenced by periodic processes. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	22
138	Seasonality of volcanic eruptions. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	58
139	Volcanic source for fixed nitrogen in the early Earth's atmosphere. <i>Geology</i> , 2004, 32, 905.	2.0	76
140	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 2003, 46, 207-237.	1.4	93
141	SO ₂ emissions from Soufrière Hills Volcano and their relationship to conduit permeability, hydrothermal interaction and degassing regime. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 124, 23-43.	0.8	187
142	Changes in gas composition prior to a minor explosive eruption at Masaya volcano, Nicaragua. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 126, 327-339.	0.8	91
143	The importance of volcanic emissions for the global atmospheric mercury cycle. <i>Atmospheric Environment</i> , 2003, 37, 5115-5124.	1.9	296
144	Volcanic emissions of mercury to the atmosphere: global and regional inventories. <i>Comment. Science of the Total Environment</i> , 2003, 327, 323-323.	3.9	1

#	ARTICLE	IF	CITATIONS
145	Discussion of "The Dorothy Bentonite: an extraordinary case of secondary thickening in a late Campanian volcanic ash fall in central Alberta". Canadian Journal of Earth Sciences, 2003, 40, 1169-1170.	0.6	2
146	Rainwater and ash leachate analysis as proxies for plume chemistry at Soufrière Hills volcano, Montserrat. Geological Society Special Publication, 2003, 213, 203-218.	0.8	12
147	Tropospheric volcanic aerosol. Geophysical Monograph Series, 2003, , 189-212.	0.1	121
148	Pyroclastic flows and surges generated by the 25 June 1997 dome collapse, Soufrière Hills Volcano, Montserrat. Geological Society Memoir, 2002, 21, 191-209.	0.9	49
149	Walking traverse and scanning DOAS measurements of volcanic gas emission rates. Geophysical Research Letters, 2002, 29, 46-1-46-4.	1.5	103
150	HCl emissions at Soufrière 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
151	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
152	A model for degassing at the Soufrière Hills Volcano, Montserrat, West Indies, based on geochemical data. Earth and Planetary Science Letters, 2001, 186, 159-173.	1.8	117
153	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
154	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
155	Volcano instability induced by strike-slip faulting. Bulletin of Volcanology, 2000, 62, 331-346.	1.1	132
156	Widely dispersed Quaternary tephra in Africa. Global and Planetary Change, 1999, 21, 95-112.	1.6	48
157	Control of crater morphology on flow path direction of Soufrière-type pyroclastic flows. Journal of Geophysical Research, 1999, 104, 7169-7181.	3.3	6
158	An Exceptionally Thick Middle Pleistocene Tephra Layer from Epirus, Greece. Quaternary Research, 1998, 49, 280-286.	1.0	9
159	How did the summer go?. Nature, 1998, 393, 415-417.	13.7	15
160	Forecasting sizes and repose times of future extreme volcanic events. Geology, 1998, 26, 367.	2.0	64
161	The control of chamber geometry on triggering volcanic eruptions. Earth and Planetary Science Letters, 1997, 151, 155-166.	1.8	19
162	The global impact of the Minoan eruption of Santorini, Greece. Environmental Geology, 1997, 30, 59-61.	1.2	26

#	ARTICLE	IF	CITATIONS
163	New Proterozoic K ⁴⁰ -Ar ages for some kimberlites and lamproites from the Cuddapah Basin and Dharwar Craton, South India: evidence for non-contemporaneous emplacement. <i>Precambrian Research</i> , 1996, 79, 363-369.	1.2	75
164	The role of microphysical and chemical processes in prolonging the climate forcing of the Toba Eruption. <i>Geophysical Research Letters</i> , 1996, 23, 2669-2672.	1.5	87
165	Sulphur emissions to the stratosphere from explosive volcanic eruptions. <i>Bulletin of Volcanology</i> , 1996, 57, 663-671.	1.1	69
166	Larnitic kirschsteinite from the Kotakonda kimberlite, Andhra Pradesh, India. <i>Mineralogical Magazine</i> , 1996, 60, 513-516.	0.6	7
167	Evolution of Natrocarbonatite from a Wollastonite Nephelinite Parent: Evidence from the June, 1993 Eruption of Oldoinyo Lengai, Tanzania. <i>Journal of Geology</i> , 1996, 104, 41-54.	0.7	58
168	Reduction of urban hazards. <i>Nature</i> , 1995, 378, 134-135.	13.7	6
169	Bubble migration and the initiation of volcanic eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 1995, 67, 227-232.	0.8	36
170	Assessment of the minimum volume of tephra fall deposits. <i>Journal of Volcanology and Geothermal Research</i> , 1995, 69, 379-382.	0.8	106
171	Mass and energy budgets of explosive volcanic eruptions. <i>Geophysical Research Letters</i> , 1995, 22, 563-566.	1.5	89
172	Decay Series Evidence for Transfer and Storage Times of Natrocarbonatite Magma. <i>IAVCEI Proceedings in Volcanology</i> , 1995, , 124-136.	0.4	3
173	The Dynamics of Degassing at Oldoinyo Lengai. <i>IAVCEI Proceedings in Volcanology</i> , 1995, , 37-46.	0.4	6
174	Petrology and Geochemistry of Oldoinyo Lengai Lavas Extruded in November 1988: Magma Source, Ascent and Crystallization. <i>IAVCEI Proceedings in Volcanology</i> , 1995, , 47-69.	0.4	27
175	Reply to comment by M. Condomines on "the volume and residence time of magma beneath active volcanoes determined by decay-series disequilibria methods". <i>Earth and Planetary Science Letters</i> , 1994, 122, 257-258.	1.8	6
176	June 1993 eruption of Oldoinyo Lengai, Tanzania: Exceptionally viscous and large carbonatite lava flows and evidence for coexisting silicate and carbonate magmas. <i>Geology</i> , 1994, 22, 799.	2.0	76
177	Geochemical hazard indicators. <i>Nature</i> , 1993, 362, 787-788.	13.7	1
178	Graphical analysis of rare gas mixing systematics in geothermal systems.. <i>Geochemical Journal</i> , 1993, 27, 125-129.	0.5	1
179	The volume and residence time of magma beneath active volcanoes determined by decay-series disequilibria methods. <i>Earth and Planetary Science Letters</i> , 1992, 112, 61-73.	1.8	52
180	On the "Climatic Effectiveness" of Volcanic Eruptions. <i>Quaternary Research</i> , 1992, 37, 125-129.	1.0	12

#	ARTICLE	IF	CITATIONS
181	Short-lived decay series disequilibria in the natrocarbonatite lavas of Oldoinyo Lengai, Tanzania: constraints on the timing of magma genesis. <i>Earth and Planetary Science Letters</i> , 1991, 105, 378-396.	1.8	52
182	Physicochemical properties of alkali carbonatite lavas: Data from the 1988 eruption of Oldoinyo Lengai, Tanzania. <i>Geology</i> , 1990, 18, 260.	2.0	104
183	Petrology and geochemistry of volcanic rocks of the Cerro Galan caldera, northwest Argentina. <i>Geological Magazine</i> , 1989, 126, 515-547.	0.9	132
184	The thickness, volume and grain size of tephra fall deposits. <i>Bulletin of Volcanology</i> , 1989, 51, 1-15.	1.1	647
185	ICE CORE ACIDITY PEAKS, RETARDED TREE GROWTH AND PUTATIVE ERUPTIONS. <i>Archaeometry</i> , 1989, 31, 88-91.	0.6	17
186	Explosive volcanism on Santorini, Greece. <i>Geological Magazine</i> , 1989, 126, 95-126.	0.9	161
187	Magma cumulate mixing identified by ^U - Th disequilibrium dating. <i>Nature</i> , 1988, 331, 157-159.	13.7	65
188	Effusive Badi Silicic Volcano (Central Afar, Ethiopian Rift); Sparse Evidence for Pyroclastic Rocks. , 0, , .		2
189	Machine learning approaches to identifying changes in eruptive state using multi-parameter datasets from the 2006 eruption of Augustine Volcano, Alaska. <i>Journal of Geophysical Research: Solid Earth</i> , 0, , e2021JB022323.	1.4	6