

Clive M Oppenheimer

List of Publications by Year in descending order

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314
papers

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18465

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102
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332
docs citations

332
times ranked

9134
citing authors

#	ARTICLE	IF	CITATIONS
1	The size and frequency of the largest explosive eruptions on Earth. <i>Bulletin of Volcanology</i> , 2004, 66, 735-748.	1.1	384
2	The 2010 explosive eruption of Java's Merapi volcano—A ~100-year™ event. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 241-242, 121-135.	0.8	336
3	A miniaturised ultraviolet spectrometer for remote sensing of SO ₂ fluxes: a new tool for volcano surveillance. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 119, 241-254.	0.8	334
4	Climatic, environmental and human consequences of the largest known historic eruption: Tambora volcano (Indonesia) 1815. <i>Progress in Physical Geography</i> , 2003, 27, 230-259.	1.4	331
5	Middle Paleolithic Assemblages from the Indian Subcontinent Before and After the Toba Super-Eruption. <i>Science</i> , 2007, 317, 114-116.	6.0	304
6	Volcanic ash-leachates: a review and recommendations for sampling methods. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 141, 299-326.	0.8	225
7	Estimates of volcanic-induced cooling in the Northern Hemisphere over the past 1,500 years. <i>Nature Geoscience</i> , 2015, 8, 784-788.	5.4	220
8	Source of the great A.D. 1257 mystery eruption unveiled, Samalas volcano, Rinjani Volcanic Complex, Indonesia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16742-16747.	3.3	213
9	Plasminogen activator inhibitor type-1 : reactive center and amino-terminal heterogeneity determined by protein and cDNA sequencing. <i>FEBS Letters</i> , 1986, 209, 213-218.	1.3	195
10	Health Hazards from Volcanic Gases: A Systematic Literature Review. <i>Archives of Environmental Health</i> , 2004, 59, 628-639.	0.4	193
11	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
12	Endogenous growth of persistently active volcanoes. <i>Nature</i> , 1993, 366, 554-557.	13.7	180
13	Remote measurements of volcanic gas compositions by solar occultation spectroscopy. <i>Nature</i> , 1998, 396, 567-570.	13.7	171
14	Limited global change due to the largest known Quaternary eruption, Toba ~74kyr BP?. <i>Quaternary Science Reviews</i> , 2002, 21, 1593-1609.	1.4	170
15	Sulfur Degassing From Volcanoes: Source Conditions, Surveillance, Plume Chemistry and Earth System Impacts. <i>Reviews in Mineralogy and Geochemistry</i> , 2011, 73, 363-421.	2.2	168
16	Automated, high time-resolution measurements of SO ₂ flux at Soufrière Hills Volcano, Montserrat. <i>Bulletin of Volcanology</i> , 2003, 65, 578-586.	1.1	167
17	Infrared image analysis of volcanic thermal features: Lascar Volcano, Chile, 1984–1992. <i>Journal of Geophysical Research</i> , 1993, 98, 4269-4286.	3.3	154
18	Volcano surveillance using infrared cameras. <i>Earth-Science Reviews</i> , 2011, 106, 63-91.	4.0	151

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19	Remote sensing of CO ₂ and H ₂ O emission rates from Masaya volcano, Nicaragua. <i>Geology</i> , 2000, 28, 915.	2.0	146
20	Lava flow cooling estimated from Landsat Thematic Mapper infrared data: The Lonquimay Eruption (Chile, 1989). <i>Journal of Geophysical Research</i> , 1991, 96, 21865-21878.	3.3	142
21	Mass flux measurements at active lava lakes: Implications for magma recycling. <i>Journal of Geophysical Research</i> , 1999, 104, 7117-7136.	3.3	141
22	H ₂ S fluxes from Mt. Etna, Stromboli, and Vulcano (Italy) and implications for the sulfur budget at volcanoes. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1861-1871.	1.6	139
23	Multi-proxy dating the "Millennium Eruption"™ of Changbaishan to late 946 CE. <i>Quaternary Science Reviews</i> , 2017, 158, 164-171.	1.4	137
24	The health hazards of volcanoes and geothermal areas. <i>Occupational and Environmental Medicine</i> , 2006, 63, 149-156.	1.3	135
25	Remote measurement of volcanic gases by Fourier transform infrared spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 1998, 67, 505-515.	1.1	133
26	Climate response to the Samalas volcanic eruption in 1257 revealed by proxy records. <i>Nature Geoscience</i> , 2017, 10, 123-128.	5.4	130
27	BrO formation in volcanic plumes. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2935-2941.	1.6	122
28	Tropospheric volcanic aerosol. <i>Geophysical Monograph Series</i> , 2003, , 189-212.	0.1	121
29	Three-years of SO ₂ flux measurements of Mt. Etna using an automated UV scanner array: Comparison with conventional traverses and uncertainties in flux retrieval. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 183, 76-83.	0.8	120
30	The impact of degassing on the oxidation state of basaltic magmas: A case study of K�lauea volcano. <i>Earth and Planetary Science Letters</i> , 2016, 450, 317-325.	1.8	118
31	A model for degassing at the Soufriere Hills Volcano, Montserrat, West Indies, based on geochemical data. <i>Earth and Planetary Science Letters</i> , 2001, 186, 159-173.	1.8	117
32	Mantle to surface degassing of alkalic magmas at Erebus volcano, Antarctica. <i>Earth and Planetary Science Letters</i> , 2011, 306, 261-271.	1.8	116
33	Parent relationship quality buffers against the effect of peer stressors on depressive symptoms from middle childhood to adolescence.. <i>Developmental Psychology</i> , 2014, 50, 2115-2123.	1.2	113
34	Tracking the changing oxidation state of Erebus magmas, from mantle to surface, driven by magma ascent and degassing. <i>Earth and Planetary Science Letters</i> , 2014, 393, 200-209.	1.8	111
35	Pulsatory magma supply to a phonolite lava lake. <i>Earth and Planetary Science Letters</i> , 2009, 284, 392-398.	1.8	108
36	Walking traverse and scanning DOAS measurements of volcanic gas emission rates. <i>Geophysical Research Letters</i> , 2002, 29, 46-1-46-4.	1.5	103

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37	Probing the magma plumbing of Erebus volcano, Antarctica, by open-path FTIR spectroscopy of gas emissions. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 743-754.	0.8	102
38	Investigation into magma degassing at Nyiragongo volcano, Democratic Republic of the Congo. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	102
39	Depletion rates of sulfur dioxide in tropospheric volcanic plumes. <i>Geophysical Research Letters</i> , 1998, 25, 2671-2674.	1.5	98
40	Mortality in England during the 1783?4 Laki Craters eruption. <i>Bulletin of Volcanology</i> , 2004, 67, 15-26.	1.1	98
41	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. <i>Nature Communications</i> , 2018, 9, 3605.	5.8	98
42	Ice core and palaeoclimatic evidence for the timing and nature of the great mid-13th century volcanic eruption. <i>International Journal of Climatology</i> , 2003, 23, 417-426.	1.5	97
43	Review article: Volcanological applications of meteorological satellites. <i>International Journal of Remote Sensing</i> , 1998, 19, 2829-2864.	1.3	94
44	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
45	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 2003, 46, 207-237.	1.4	93
46	Primary sulfate aerosol and associated emissions from Masaya Volcano, Nicaragua. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 5-1-ACH 5-8.	3.3	91
47	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
48	Atmospheric chemistry of a 33â€“34 hour old volcanic cloud from Hekla Volcano (Iceland): Insights from direct sampling and the application of chemical box modeling. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	89
49	Recent rift-related volcanism in Afar, Ethiopia. <i>Earth and Planetary Science Letters</i> , 2010, 292, 409-418.	1.8	87
50	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
51	Mantle plumes are oxidised. <i>Earth and Planetary Science Letters</i> , 2019, 527, 115798.	1.8	85
52	Rapid FTIR sensing of volcanic gases released by Strombolian explosions at Yasur volcano, Vanuatu. <i>Applied Physics B: Lasers and Optics</i> , 2006, 85, 453-460.	1.1	84
53	Modelling reactive halogen formation and ozone depletion in volcanic plumes. <i>Chemical Geology</i> , 2009, 263, 151-163.	1.4	84
54	The relationship between degassing and ground deformation at Soufriere Hills Volcano, Montserrat. <i>Journal of Volcanology and Geothermal Research</i> , 2000, 98, 117-126.	0.8	80

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55	Remote sensing of heat, lava and fumarole emissions from Erta 'Ale volcano, Ethiopia. <i>International Journal of Remote Sensing</i> , 1997, 18, 1661-1692.	1.3	79
56	Real-time measurement of volcanic H ₂ S and SO ₂ concentrations by UV spectroscopy. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	79
57	Volcanic Degassing: Process and Impact. , 2014, , 111-179.		79
58	Nitric acid from volcanoes. <i>Earth and Planetary Science Letters</i> , 2004, 218, 17-30.	1.8	77
59	Liquid sulphur lakes at Poã's volcano. <i>Nature</i> , 1989, 342, 790-793.	13.7	75
60	Sulfur, heat, and magma budget of Erta â€Ale lava lake, Ethiopia. <i>Geology</i> , 2004, 32, 509.	2.0	74
61	High temporal resolution SO ₂ flux measurements at Erebus volcano, Antarctica. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 190, 325-336.	0.8	74
62	SO ₂ âˆ†HCl ratios in the plumes from Mt. Etna and Vulcano determined by Fourier Transform Spectroscopy. <i>Geophysical Research Letters</i> , 1995, 22, 1717-1720.	1.5	71
63	SO ₂ depletion in tropospheric volcanic plumes. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	68
64	Prominent role of volcanism in Common Era climate variability and human history. <i>Dendrochronologia</i> , 2020, 64, 125757.	1.0	66
65	Development of a compact quantum cascade laser spectrometer for field measurements of CO ₂ isotopes. <i>Applied Physics B: Lasers and Optics</i> , 2005, 80, 255-260.	1.1	65
66	A total volatile inventory for Masaya Volcano, Nicaragua. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	65
67	First estimate of volcanic SO ₂ budget for Vanuatu island arc. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 211-212, 36-46.	0.8	65
68	Age of the oldest known Homo sapiens from eastern Africa. <i>Nature</i> , 2022, 601, 579-583.	13.7	65
69	Field determination of biomass burning emission ratios and factors via open-path FTIR spectroscopy and fire radiative power assessment: headfire, backfire and residual smouldering combustion in African savannahs. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11591-11615.	1.9	64
70	The Campanian Ignimbrite Eruption, Heinrich Event 4, and palaeolithic change in Europe: A high-resolution investigation. <i>Geophysical Monograph Series</i> , 2003, , 301-325.	0.1	62
71	New Tree-Ring Evidence from the Pyrenees Reveals Western Mediterranean Climate Variability since Medieval Times. <i>Journal of Climate</i> , 2017, 30, 5295-5318.	1.2	62
72	Sulphur dioxide fluxes from Mount Etna, Vulcano, and Stromboli measured with an automated scanning ultraviolet spectrometer. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	61

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73	Surge in sulphur and halogen degassing from Ambrym volcano, Vanuatu. <i>Bulletin of Volcanology</i> , 2009, 71, 1159-1168.	1.1	61
74	Ground-based thermal imaging of lava lakes at Erebus volcano, Antarctica. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 695-704.	0.8	60
75	Implications of long-lived lava lakes for geomorphological and plutonic processes at Erta 'Ale volcano, Afar. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 80, 101-111.	0.8	59
76	Stable gas plume composition measured by OP-FTIR spectroscopy at Masaya Volcano, Nicaragua, 1998-1999. <i>Geophysical Research Letters</i> , 1999, 26, 3497-3500.	1.5	59
77	HCl emissions at Soufrière Hills Volcano, Montserrat, West Indies, during a second phase of dome building: November 1999 to October 2000. <i>Bulletin of Volcanology</i> , 2002, 64, 21-30.	1.1	59
78	Understanding the environmental impacts of large fissure eruptions: Aerosol and gas emissions from the 2014–2015 Holuhraun eruption (Iceland). <i>Earth and Planetary Science Letters</i> , 2017, 472, 309-322.	1.8	59
79	The influence of decision-making in tree ring-based climate reconstructions. <i>Nature Communications</i> , 2021, 12, 3411.	5.8	59
80	Volcanic Degassing. , 2003, , 123-166.		58
81	Novel retrieval of volcanic SO ₂ abundance from ultraviolet spectra. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 181, 141-153.	0.8	58
82	Global, long-term sulphur dioxide measurements from TOVS data: A new tool for studying explosive volcanism and climate. <i>Geophysical Monograph Series</i> , 2003, , 75-92.	0.1	57
83	On bromine, nitrogen oxides and ozone depletion in the tropospheric plume of Erebus volcano (Antarctica). <i>Atmospheric Environment</i> , 2011, 45, 3856-3866.	1.9	57
84	Field measurements of volcanic gases using tunable diode laser based mid-infrared and Fourier transform infrared spectrometers. <i>Optics and Lasers in Engineering</i> , 2002, 37, 171-186.	2.0	56
85	The February–March 2000 eruption of Hekla, Iceland from a satellite perspective. <i>Geophysical Monograph Series</i> , 2003, , 107-132.	0.1	56
86	Recommended minimum data to be collected in research studies on Alzheimer's disease. The MRC (UK) Alzheimer's Disease Workshop Steering Committee.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1989, 52, 693-700.	0.9	55
87	Monitoring SO ₂ emission at the Soufrière Hills Volcano: Implications for changes in eruptive conditions. <i>Geophysical Research Letters</i> , 1998, 25, 3681-3684.	1.5	55
88	Sun photometer and lidar measurements of the plume from the Hawaii Kilauea Volcano Pu'u O'o vent: Aerosol flux and SO ₂ lifetime. <i>Geophysical Research Letters</i> , 2002, 29, 30-1-30-4.	1.5	55
89	Thermal imaging of an active lava lake: Erta 'Ale volcano, Ethiopia. <i>International Journal of Remote Sensing</i> , 2002, 23, 4777-4782.	1.3	55
90	First recorded eruption of Nabro volcano, Eritrea, 2011. <i>Bulletin of Volcanology</i> , 2015, 77, 85.	1.1	54

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91	Science, policy and place in volcanic disasters: Insights from Montserrat. <i>Environmental Science and Policy</i> , 2014, 39, 150-161.	2.4	53
92	Stratospheric Ozone destruction by the Bronze-Age Minoan eruption (Santorini Volcano, Greece). <i>Scientific Reports</i> , 2015, 5, 12243.	1.6	53
93	Precise date for the Laacher See eruption synchronizes the Younger Dryas. <i>Nature</i> , 2021, 595, 66-69.	13.7	53
94	Large magnitude silicic volcanism in north Afar: the Nabro Volcanic Range and Ma'alalta volcano. <i>Bulletin of Volcanology</i> , 2005, 67, 99-115.	1.1	52
95	Lava effusion "A slow fuse for paroxysms at Stromboli volcano?. <i>Earth and Planetary Science Letters</i> , 2011, 301, 317-323.	1.8	52
96	Satellite Remote Sensing as a Tool in Lahar Disaster Management. <i>Disasters</i> , 2002, 26, 140-160.	1.1	51
97	FTIR remote sensing of fractional magma degassing at Mount Etna, Sicily. <i>Geological Society Special Publication</i> , 2003, 213, 281-293.	0.8	51
98	Sulfur dioxide emissions and degassing behavior of Erebus volcano, Antarctica. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 725-733.	0.8	51
99	Magmatic degassing at Erta 'Ale volcano, Ethiopia. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 178, 837-846.	0.8	51
100	Atmospheric chemistry of an Antarctic volcanic plume. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	51
101	Gas and aerosol emissions from Villarrica volcano, Chile. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 203, 62-75.	0.8	51
102	Dental fluorosis linked to degassing of Ambrym volcano, Vanuatu: a novel exposure pathway. <i>Environmental Geochemistry and Health</i> , 2012, 34, 155-170.	1.8	51
103	Infrared surveillance of crater lakes using satellite data. <i>Journal of Volcanology and Geothermal Research</i> , 1993, 55, 117-128.	0.8	50
104	Remote determination of SiF ₄ in volcanic plumes: A new tool for volcano monitoring. <i>Geophysical Research Letters</i> , 1996, 23, 249-252.	1.5	49
105	Plume velocity determination for volcanic SO ₂ flux measurements. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	49
106	Generation of crystalline silica from sugarcane burning. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1459.	2.1	49
107	Photometric observations of Mt. Etna's different aerosol plumes. <i>Atmospheric Environment</i> , 2001, 35, 3561-3572.	1.9	48
108	Mt. Erebus, the largest point source of NO ₂ in Antarctica. <i>Atmospheric Environment</i> , 2005, 39, 6000-6006.	1.9	48

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109	Continental scale Antarctic deposition of sulphur and black carbon from anthropogenic and volcanic sources. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2457-2465.	1.9	48
110	Shallow magma transport for the 2002â€“3 Mt. Etna eruption inferred from thermal infrared surveys. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 301-312.	0.8	46
111	Infrared monitoring of volcanoes by satellite. <i>Journal of the Geological Society</i> , 1991, 148, 563-569.	0.9	45
112	Sulphur eruptions at VolcÃ¡n PoÃ¡s, Costa Rica. <i>Journal of Volcanology and Geothermal Research</i> , 1992, 49, 1-21.	0.8	45
113	Comparison of COSPEC and two miniature ultraviolet spectrometer systems for SO ₂ measurements using scattered sunlight. <i>Bulletin of Volcanology</i> , 2006, 68, 313-322.	1.1	45
114	The EldgjÃ¡ eruption: timing, long-range impacts and influence on the Christianisation of Iceland. <i>Climatic Change</i> , 2018, 147, 369-381.	1.7	45
115	Ultraviolet Sensing of Volcanic Sulfur Emissions. <i>Elements</i> , 2010, 6, 87-92.	0.5	44
116	Quantifying gas emissions from the â€œMillennium Eruptionâ€• of Paektu volcano, Democratic Peopleâ€™s Republic of Korea/China. <i>Science Advances</i> , 2016, 2, e1600913.	4.7	43
117	Ground deformation near Gada â€“Ale Volcano, Afar, observed by radar interferometry. <i>Geophysical Research Letters</i> , 2000, 27, 3093-3096.	1.5	42
118	On the role of hydrothermal systems in the transfer of volcanic sulfur to the atmosphere. <i>Geophysical Research Letters</i> , 1996, 23, 2057-2060.	1.5	41
119	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
120	Volcanic gas emission rates measured by solar occultation spectroscopy. <i>Geophysical Research Letters</i> , 2001, 28, 3131-3134.	1.5	40
121	SO ₂ loss rates in the plume emitted by Soufriere Hills volcano, Montserrat. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 173, 135-147.	0.8	40
122	Thermal distributions of hot volcanic surfaces constrained using three infrared bands of remote sensing data. <i>Geophysical Research Letters</i> , 1993, 20, 431-434.	1.5	39
123	Remote sensing of the colour and temperature of volcanic lakes. <i>International Journal of Remote Sensing</i> , 1997, 18, 5-37.	1.3	39
124	Diurnal changes in volcanic plume chemistry observed by lunar and solar occultation spectroscopy. <i>Geophysical Research Letters</i> , 2001, 28, 843-846.	1.5	39
125	Radiocarbon and geologic evidence reveal Ilopango volcano as source of the colossal â€“mysteryâ€™ eruption of 539/40 CE. <i>Quaternary Science Reviews</i> , 2019, 222, 105855.	1.4	39
126	Electrochemical sensing of volcanic gases. <i>Chemical Geology</i> , 2012, 332-333, 74-91.	1.4	38

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127	Thermal distributions at fumarole fields: implications for infrared remote sensing of active volcanoes. <i>Journal of Volcanology and Geothermal Research</i> , 1993, 55, 97-115.	0.8	37
128	Particle size distributions of Mount Etna's aerosol plume constrained by Sun photometry. <i>Journal of Geophysical Research</i> , 2000, 105, 9823-9829.	3.3	37
129	Open-path Fourier transform infrared spectroscopy of SO ₂ : An empirical error budget analysis, with implications for volcano monitoring. <i>Journal of Geophysical Research</i> , 2001, 106, 27647-27659.	3.3	37
130	Degassing of trace volatile metals during the 2001 eruption of Etna. <i>Geophysical Monograph Series</i> , 2003, , 41-54.	0.1	37
131	Petrological and volcanological constraints on volcanic sulfur emissions to the atmosphere. <i>Geophysical Monograph Series</i> , 2003, , 11-40.	0.1	37
132	Aerosol chemistry of emissions from three contrasting volcanoes in Italy. <i>Atmospheric Environment</i> , 2004, 38, 5637-5649.	1.9	37
133	Origin, effects of Masaya Volcano's continued unrest probed in Nicaragua. <i>Eos</i> , 1999, 80, 575-581.	0.1	36
134	A simple technique for measuring power station SO ₂ and NO ₂ emissions. <i>Atmospheric Environment</i> , 2004, 38, 21-25.	1.9	36
135	The 2010 Eyjafjallajökull eruption and the reconstruction of geography. <i>Geographical Journal</i> , 2011, 177, 4-11.	1.6	36
136	Hydrogen emissions from Erebus volcano, Antarctica. <i>Bulletin of Volcanology</i> , 2012, 74, 2109-2120.	1.1	36
137	The Edgecumbe earthquake sequence: 1987 February 21 to March 18. <i>New Zealand Journal of Geology, and Geophysics</i> , 1989, 32, 31-42.	1.0	35
138	Remarkable geochemical changes and degassing at Vouli crater lake, Ambae volcano, Vanuatu. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 188, 347-357.	0.8	35
139	Megacrystals track magma convection between reservoir and surface. <i>Earth and Planetary Science Letters</i> , 2015, 413, 1-12.	1.8	35
140	Rheology of phonolitic magmas – the case of the Erebus lava lake. <i>Earth and Planetary Science Letters</i> , 2015, 411, 53-61.	1.8	35
141	Evidence for partial melt in the crust beneath Mt. Paektu (Changbaishan), Democratic People's Republic of Korea and China. <i>Science Advances</i> , 2016, 2, e1501513.	4.7	35
142	Production of potentially hazardous respirable silica airborne particulate from the burning of sugarcane. <i>Atmospheric Environment</i> , 2008, 42, 5558-5568.	1.9	34
143	Lava lake surface characterization by thermal imaging: Erta 'Ale volcano (Ethiopia). <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	34
144	Experimental Phase-equilibrium Constraints on the Phonolite Magmatic System of Erebus Volcano, Antarctica. <i>Journal of Petrology</i> , 2013, 54, 1285-1307.	1.1	34

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145	A RADIATION EFFICIENCY FOR UNBAFFLED PLATES WITH EXPERIMENTAL VALIDATION. Journal of Sound and Vibration, 1997, 199, 473-489.	2.1	33
146	Social studies of volcanology: knowledge generation and expert advice on active volcanoes. Bulletin of Volcanology, 2012, 74, 677-689.	1.1	33
147	Assessment of leachable elements in volcanic ashfall: a review and evaluation of a standardized protocol for ash hazard characterization. Journal of Volcanology and Geothermal Research, 2020, 392, 106756.	0.8	33
148	Sulphur dioxide fluxes from Papua New Guinea's volcanoes. Geophysical Research Letters, 2004, 31, .	1.5	32
149	MODIS and ASTER synergy for characterizing thermal volcanic activity. Remote Sensing of Environment, 2013, 131, 195-205.	4.6	32
150	Seismicity and subsidence following the 2011 Nabro eruption, Eritrea: Insights into the plumbing system of an off-axis rift volcano. Journal of Geophysical Research: Solid Earth, 2014, 119, 8267-8282.	1.4	32
151	Terrestrial laser scanning observations of geomorphic changes and varying lava lake levels at Erebus volcano, Antarctica. Journal of Volcanology and Geothermal Research, 2015, 295, 43-54.	0.8	32
152	New sampling device for the recovery of petroleum hydrocarbons and fatty acids from aqueous surface films. Analytical Chemistry, 1974, 46, 1154-1157.	3.2	31
153	New insight into the factors leading to the 1998 flank collapse and lahar disaster at Casita volcano, Nicaragua. Bulletin of Volcanology, 2003, 65, 331-345.	1.1	31
154	GIS-assisted modelling for debris flow hazard assessment based on the events of May 1998 in the area of Sarno, Southern Italy: Part I. Maximum run-out. Earth Surface Processes and Landforms, 2007, 32, 1491-1502.	1.2	31
155	Correlation of cycles in Lava Lake motion and degassing at Erebus Volcano, Antarctica. Geochemistry, Geophysics, Geosystems, 2014, 15, 3244-3257.	1.0	31
156	Cyclic degassing of Erebus volcano, Antarctica. Bulletin of Volcanology, 2015, 77, 1.	1.1	31
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