

Valentin R Troll

List of Publications by Year in descending order

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150
papers

4,552
citations

87843

38
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58
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152
all docs

152
docs citations

152
times ranked

3426
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of caldera periphery faults: an experimental study. <i>Bulletin of Volcanology</i> , 2001, 63, 191-203.	1.1	164
2	Dykes, cups, saucers and sills: Analogue experiments on magma intrusion into brittle rocks. <i>Earth and Planetary Science Letters</i> , 2008, 271, 1-13.	1.8	162
3	Magma–Carbonate Interaction Processes and Associated CO ₂ Release at Merapi Volcano, Indonesia: Insights from Experimental Petrology. <i>Journal of Petrology</i> , 2010, 51, 1027-1051.	1.1	150
4	Carbonate Assimilation at Merapi Volcano, Java, Indonesia: Insights from Crystal Isotope Stratigraphy. <i>Journal of Petrology</i> , 2007, 48, 1793-1812.	1.1	130
5	Magmatic origin of giant “Kiruna-type” apatite-iron-oxide ores in Central Sweden. <i>Scientific Reports</i> , 2013, 3, 1644.	1.6	110
6	Complex hazard cascade culminating in the Anak Krakatau sector collapse. <i>Nature Communications</i> , 2019, 10, 4339.	5.8	105
7	Elliptical calderas in active tectonic settings: an experimental approach. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 144, 119-136.	0.8	98
8	Crustal CO ₂ liberation during the 2006 eruption and earthquake events at Merapi volcano, Indonesia. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	95
9	The effects of flank collapses on volcano plumbing systems. <i>Geology</i> , 2009, 37, 1099-1102.	2.0	93
10	Cyclic caldera collapse: Piston or piecemeal subsidence? Field and experimental evidence. <i>Geology</i> , 2002, 30, 135.	2.0	91
11	Experiments on rift zone evolution in unstable volcanic edifices. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 127, 107-120.	0.8	91
12	Rift zone reorganization through flank instability in ocean island volcanoes: an example from Tenerife, Canary Islands. <i>Bulletin of Volcanology</i> , 2005, 67, 281-291.	1.1	86
13	Hydrothermal alteration of andesitic lava domes can lead to explosive volcanic behaviour. <i>Nature Communications</i> , 2019, 10, 5063.	5.8	76
14	Global Fe–O isotope correlation reveals magmatic origin of Kiruna-type apatite-iron-oxide ores. <i>Nature Communications</i> , 2019, 10, 1712.	5.8	75
15	The pre-eruptive magma plumbing system of the 2007–2008 dome-forming eruption of Kelut volcano, East Java, Indonesia. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 275-308.	1.2	68
16	Analogue models of caldera collapse in strike-slip tectonic regimes. <i>Bulletin of Volcanology</i> , 2008, 70, 773-796.	1.1	60
17	The Great Eucrite intrusion of Ardnamurchan, Scotland: Reevaluating the ring-dike concept. <i>Geology</i> , 2006, 34, 189.	2.0	59
18	The magma plumbing system for the 1971 Teneguía eruption on La Palma, Canary Islands. <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	1.2	58

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19	Magma plumbing beneath Anak Krakatau volcano, Indonesia: evidence for multiple magma storage regions. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 631-651.	1.2	57
20	Oxygen isotope composition of xenoliths from the oceanic crust and volcanic edifice beneath Gran Canaria (Canary Islands): consequences for crustal contamination of ascending magmas. <i>Chemical Geology</i> , 2003, 193, 181-193.	1.4	56
21	Phreatomagmatic to Strombolian eruptive activity of basaltic cinder cones: Montaña Los Erales, Tenerife, Canary Islands. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 180, 225-245.	0.8	54
22	Pre-eruptive magma mixing in ash-flow deposits of the Tertiary Rum Igneous Centre, Scotland. <i>Contributions To Mineralogy and Petrology</i> , 2004, 147, 722-739.	1.2	52
23	The interaction between volcanoes and strike-slip, transtensional and transpressional fault zones: Analogue models and natural examples. <i>Journal of Structural Geology</i> , 2011, 33, 898-906.	1.0	51
24	Experimental simulation of magma-carbonate interaction beneath Mt. Vesuvius, Italy. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 1335-1353.	1.2	50
25	Floating stones off El Hierro, Canary Islands: xenoliths of pre-island sedimentary origin in the early products of the October 2011 eruption. <i>Solid Earth</i> , 2012, 3, 97-110.	1.2	49
26	Magmatic differentiation processes at Merapi Volcano: inclusion petrology and oxygen isotopes. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 261, 38-49.	0.8	49
27	A sagging-spreading continuum of large volcano structure. <i>Geology</i> , 2013, 41, 339-342.	2.0	49
28	An Integrative Research Framework to Unravel the Interplay of Natural Hazards and Vulnerabilities. <i>Earth's Future</i> , 2018, 6, 305-310.	2.4	48
29	Magmatic lineations inferred from anisotropy of magnetic susceptibility fabrics in Units 8, 9, and 10 of the Rum Eastern Layered Series, NW Scotland. <i>Lithos</i> , 2007, 98, 27-44.	0.6	47
30	Volcanic and geochemical evolution of the Teno massif, Tenerife, Canary Islands: Some repercussions of giant landslides on ocean island magmatism. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	47
31	Weibull-distributed dyke thickness reflects probabilistic character of host-rock strength. <i>Nature Communications</i> , 2014, 5, 3272.	5.8	47
32	The 2021 eruption of the Cumbre Vieja volcanic ridge on La Palma, Canary Islands. <i>Geology Today</i> , 2022, 38, 94-107.	0.3	46
33	Magmatic water contents determined through clinopyroxene: Examples from the Western Canary Islands, Spain. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2127-2146.	1.0	45
34	Geochronology of the Tardree Rhyolite Complex, Northern Ireland: Implications for zircon fission track studies, the North Atlantic Igneous Province and the age of the Fish Canyon sanidine standard. <i>Chemical Geology</i> , 2011, 286, 222-228.	1.4	43
35	Magma mixing in the 1100 AD Montaña Reventada composite lava flow, Tenerife, Canary Islands: interaction between rift zone and central volcano plumbing systems. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 651-669.	1.2	42
36	The 2011 submarine volcanic eruption in El Hierro (Canary Islands). <i>Geology Today</i> , 2012, 28, 53-58.	0.3	42

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37	Origins of oblique-slip faulting during caldera subsidence. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1778-1794.	1.4	42
38	Petrology and geochemistry of igneous inclusions in recent Merapi deposits: a window into the sub-volcanic plumbing system. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 259-282.	1.2	41
39	Upper mantle magma storage and transport under a Canarian shield volcano, Teno, Tenerife (Spain). <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	39
40	Evidence for high fluid/melt content beneath Krakatau volcano (Indonesia) from local earthquake tomography. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 206, 96-105.	0.8	38
41	Caldera formation in the Rum Central Igneous Complex, Scotland. <i>Bulletin of Volcanology</i> , 2000, 62, 301-317.	1.1	37
42	Ardnamurchan 3D cone-sheet architecture explained by a single elongate magma chamber. <i>Scientific Reports</i> , 2013, 3, 2891.	1.6	37
43	Skarn xenolith record crustal CO ₂ liberation during Pompeii and Pollena eruptions, Vesuvius volcanic system, central Italy. <i>Chemical Geology</i> , 2015, 415, 17-36.	1.4	37
44	Nannofossils in 2011 El Hierro eruptive products reinstate plume model for Canary Islands. <i>Scientific Reports</i> , 2015, 5, 7945.	1.6	37
45	Low-temperature hydrothermal alteration of intra-caldera tuffs, Miocene Tejada caldera, Gran Canaria, Canary Islands. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 176, 551-564.	0.8	36
46	Mineral Lamination Development in Layered Gabbros of the British Palaeogene Igneous Province: A Combined Anisotropy of Magnetic Susceptibility, Quantitative Textural and Mineral Chemistry Study. <i>Journal of Petrology</i> , 2008, 49, 1187-1221.	1.1	36
47	Magma reservoir dynamics at Toba caldera, Indonesia, recorded by oxygen isotope zoning in quartz. <i>Scientific Reports</i> , 2017, 7, 40624.	1.6	36
48	Dykes and structures of the NE rift of Tenerife, Canary Islands: a record of stabilisation and destabilisation of ocean island rift zones. <i>Bulletin of Volcanology</i> , 2012, 74, 963-980.	1.1	35
49	Bimodality of Lavas in the Teide-Pico Viejo Succession in Tenerife—the Role of Crustal Melting in the Origin of Recent Phonolites. <i>Journal of Petrology</i> , 2012, 53, 2465-2495.	1.1	33
50	Trace element and isotope constraints on crustal anatexis by upwelling mantle melts in the North Atlantic Igneous Province: an example from the Isle of Rum, NW Scotland. <i>Geological Magazine</i> , 2009, 146, 382-399.	0.9	32
51	The geometry of volcano flank terraces on Mars. <i>Earth and Planetary Science Letters</i> , 2009, 281, 1-13.	1.8	32
52	The 2011–2012 submarine eruption off El Hierro, Canary Islands: New lessons in oceanic island growth and volcanic crisis management. <i>Earth-Science Reviews</i> , 2015, 150, 168-200.	4.0	31
53	Resolving volatile sources along the western Sunda arc, Indonesia. <i>Chemical Geology</i> , 2013, 339, 263-282.	1.4	30
54	The REE-Ti mineral chevkinite in comenditic magmas from Gran Canaria, Spain: a SYXRF-probe study. <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 730-741.	1.2	29

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55	Unzipping Long Valley: An explanation for vent migration patterns during an elliptical ring fracture eruption. <i>Geology</i> , 2008, 36, 323.	2.0	29
56	Merapi (Java, Indonesia): anatomy of a killer volcano. <i>Geology Today</i> , 2011, 27, 57-62.	0.3	29
57	Hf isotope evidence for variable slab input and crustal addition in basalts and andesites of the Taupo Volcanic Zone, New Zealand. <i>Lithos</i> , 2017, 284-285, 222-236.	0.6	29
58	The thermal properties of porous andesite. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 398, 106901.	0.8	29
59	Ancient oral tradition describes volcano-“earthquake interaction at merapi volcano, indonesia. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2015, 97, 137-166.	0.6	28
60	Volatile dilution during magma injections and implications for volcano explosivity. <i>Geology</i> , 2016, 44, 1027-1030.	2.0	28
61	Crustal CO ₂ contribution to subduction zone degassing recorded through calc-silicate xenoliths in arc lavas. <i>Scientific Reports</i> , 2019, 9, 8803.	1.6	28
62	North-East Atlantic Islands: The Macaronesian Archipelagos. , 2021, , 674-699.		28
63	Pyroxene standards for SIMS oxygen isotope analysis and their application to Merapi volcano, Sunda arc, Indonesia. <i>Chemical Geology</i> , 2016, 447, 1-10.	1.4	27
64	La erupción submarina de La Restinga en la isla de El Hierro, Canarias: Octubre 2011-Marzo 2012. <i>Estudios Geológicos</i> , 2012, 68, 5-27.	0.7	27
65	Textural history of recent basaltic-andesites and plutonic inclusions from Merapi volcano. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 43-63.	1.2	26
66	Large-scale failures on domes and stratocones situated on caldera ring faults: sand-box modeling of natural examples from Kamchatka, Russia. <i>Bulletin of Volcanology</i> , 2005, 67, 457-468.	1.1	25
67	Vertical axis rotation of the upper portions of the north-east rift of Tenerife Island inferred from paleomagnetic data. <i>Tectonophysics</i> , 2010, 492, 40-59.	0.9	24
68	Three-dimensional geometry of concentric intrusive sheet swarms in the Geitafell and the Dyrfjall volcanoes, eastern Iceland. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	24
69	Carbonatite ring-complexes explained by caldera-style volcanism. <i>Scientific Reports</i> , 2013, 3, 1677.	1.6	24
70	Multi-level magma plumbing at Agung and Batur volcanoes increases risk of hazardous eruptions. <i>Scientific Reports</i> , 2018, 8, 10547.	1.6	24
71	Pseudotachylite on impact marks of block surfaces in block-and-ash flows at Merapi volcano, Central Java, Indonesia. <i>International Journal of Earth Sciences</i> , 2001, 90, 769-775.	0.9	23
72	The Rum Igneous Centre, Scotland. <i>Mineralogical Magazine</i> , 2014, 78, 805-839.	0.6	23

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73	Amphibole megacrysts as a probe into the deep plumbing system of Merapi volcano, Central Java, Indonesia. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	1.2	23
74	The Southern Mountains Zone, Isle of Rum, Scotland: volcanic and sedimentary processes upon an uplifted and subsided magma chamber roof. <i>Geological Magazine</i> , 2009, 146, 400-418.	0.9	22
75	The ongoing volcanic eruption of El Hierro, Canary Islands. <i>Eos</i> , 2012, 93, 89-90.	0.1	22
76	Magma plumbing for the 2014-2015 Holuhraun eruption, Iceland. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2953-2968.	1.0	22
77	Magmatic and Metasomatic Effects of Magma-Carbonate Interaction Recorded in Calc-silicate Xenoliths from Merapi Volcano (Indonesia). <i>Journal of Petrology</i> , 2020, 61, .	1.1	22
78	Fluid-Rock Interaction in the Miocene, Post-Caldera, Tejada Intrusive Complex, Gran Canaria (Canary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2149-2176.	1.1	21
79	Pb-isotope evidence for contrasting crustal contamination of primitive to evolved magmas from Ardnamurchan and Rum: implications for the structure of the underlying crust. <i>Scottish Journal of Geology</i> , 2002, 38, 55-61.	0.1	20
80	Fast and furious: crustal CO ₂ release at Merapi volcano, Indonesia. <i>Geology Today</i> , 2011, 27, 63-64.	0.3	20
81	Structural weakening of the Merapi dome identified by drone photogrammetry after the 2010 eruption. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 3267-3281.	1.5	20
82	Dating the onset of volcanism at the Rum Igneous Centre, NW Scotland. <i>Journal of the Geological Society</i> , 2008, 165, 651-659.	0.9	19
83	Crustal versus source processes recorded in dykes from the Northeast volcanic rift zone of Tenerife, Canary Islands. <i>Chemical Geology</i> , 2012, 334, 324-344.	1.4	19
84	Magmatic evolution of the Cadamosto Seamount, Cape Verde: beyond the spatial extent of EM1. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 949-965.	1.2	19
85	In situ LA-ICP-MS trace element analyses of magnetite: genetic implications for the Zhonggu orefield, Ningwu volcanic basin, Anhui Province, China. <i>Mineralium Deposita</i> , 2019, 54, 1243-1264.	1.7	19
86	Hidden mechanical weaknesses within lava domes provided by buried high-porosity hydrothermal alteration zones. <i>Scientific Reports</i> , 2022, 12, 3202.	1.6	19
87	Sr and Nd isotope evidence for successive crustal contamination of Slieve Gullion ring-dyke magmas, Co. Armagh, Ireland. <i>Geological Magazine</i> , 2005, 142, 659-668.	0.9	18
88	Magma Ascent along a Major Terrane Boundary: Crustal Contamination and Magma Mixing at the Drumadoon Intrusive Complex, Isle of Arran, Scotland. <i>Journal of Petrology</i> , 2009, 50, 2345-2374.	1.1	18
89	A volcanotectonic survey of Ascræus Mons, Mars. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	18
90	Magma storage and plumbing of adakite-type post-ophiolite intrusions in the Sabzevar ophiolitic zone, northeast Iran. <i>Solid Earth</i> , 2015, 6, 49-72.	1.2	18

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91	Palaeomagnetic and anisotropy of magnetic susceptibility data bearing on the emplacement of the Western Granite, Isle of Rum, NW Scotland. <i>Geological Magazine</i> , 2009, 146, 419-436.	0.9	17
92	Magma transport in sheet intrusions of the AlnÄ¶ carbonatite complex, central Sweden. <i>Scientific Reports</i> , 2016, 6, 27635.	1.6	17
93	Boron isotope fractionation in magma via crustal carbonate dissolution. <i>Scientific Reports</i> , 2016, 6, 30774.	1.6	17
94	The tensile strength of volcanic rocks: Experiments and models. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 418, 107348.	0.8	16
95	Volcanic and structural evolution of Pico do Fogo, Cape Verde. <i>Geology Today</i> , 2015, 31, 146-152.	0.3	15
96	Persistent multitiered magma plumbing beneath <sc>K</sc>atla volcano, <sc>I</sc>celand. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 966-980.	1.0	15
97	Diverse mantle components with invariant oxygen isotopes in the 2021 Fagradalsfjall eruption, Iceland. <i>Nature Communications</i> , 2022, 13, .	5.8	15
98	Low pressure experiments in piston cylinder apparatus: Calibration of newly designed 25mm furnace assemblies to P=150MPa. <i>Chemical Geology</i> , 2012, 312-313, 74-79.	1.4	14
99	The structure and morphology of the Basse Terre Island, Lesser Antilles volcanic arc. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	1.1	14
100	Constraining the sub-arc, parental magma composition for the giant Altiplano-Puna Volcanic Complex, northern Chile. <i>Scientific Reports</i> , 2020, 10, 6864.	1.6	14
101	Sunda arc mantle source $\delta^{18}O$ value revealed by intracrystal isotope analysis. <i>Nature Communications</i> , 2021, 12, 3930.	5.8	14
102	Early mafic magmatism and crustal anatexis on the Isle of Rum: evidence from the Am MÄm intrusion breccia. <i>Geological Magazine</i> , 2009, 146, 368-381.	0.9	13
103	Locating the depth of magma supply for volcanic eruptions, insights from Mt. Cameroon. <i>Scientific Reports</i> , 2016, 6, 33629.	1.6	13
104	Interaction between high-temperature magmatic fluids and limestone explains ϵ^{Ba} -type TM REE deposits in central Sweden. <i>Scientific Reports</i> , 2019, 9, 15203.	1.6	13
105	The tensile strength of hydrothermally altered volcanic rocks. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 428, 107576.	0.8	13
106	Felsites and breccias in the Northern Marginal Zone of the Rum Central Complex: changing views, <i>c.</i> 1900â€“2000. <i>Proceedings of the Yorkshire Geological Society</i> , 2001, 53, 167-175.	0.2	12
107	Open-system processes in the differentiation of mafic magma in the Teideâ€“Pico Viejo succession, Tenerife. <i>Journal of the Geological Society</i> , 2013, 170, 557-570.	0.9	12
108	Geological constraints on the dynamic emplacement of cone-sheets â€“ The Ardnamurchan cone-sheet swarm, NW Scotland. <i>Journal of Structural Geology</i> , 2015, 80, 133-141.	1.0	12

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109	Geochemical Systematics of High Arctic Large Igneous Province Continental Tholeiites from Canada—Evidence for Progressive Crustal Contamination in the Plumbing System. <i>Journal of Petrology</i> , 2021, 62, .	1.1	12
110	Discerning magmatic flow patterns in shallow-level basaltic dykes from the NE rift zone of Tenerife, Spain, using the Anisotropy of Magnetic Susceptibility (AMS) technique. <i>Geological Society Special Publication</i> , 2015, 396, 87-106.	0.8	11
111	The great escape: Petrogenesis of low-silica volcanism of Pliocene to Quaternary age associated with the Altiplano-Puna Volcanic Complex of northern Chile (21°10'–22°50'S). <i>Lithos</i> , 2019, 346-347, 105162.	0.6	11
112	Seismicity and gas emissions on Tenerife: a real cause for alarm?. <i>Geology Today</i> , 2006, 22, 138-141.	0.3	10
113	Crustal volatile release at Merapi volcano; the 2006 earthquake and eruption events. <i>Geology Today</i> , 2013, 29, 96-101.	0.3	10
114	Nannofossils: the smoking gun for the Canarian hotspot. <i>Geology Today</i> , 2015, 31, 137-145.	0.3	9
115	High Arctic Large Igneous Province Alkaline Rocks in Canada: Evidence for Multiple Mantle Components. <i>Journal of Petrology</i> , 2021, 62, .	1.1	9
116	Employing geochemistry and geochronology to unravel genesis and tectonic setting of iron oxide-apatite deposits of the Bafq-Saghand metallogenic belt, Central Iran. <i>International Journal of Earth Sciences</i> , 2021, 110, 127-164.	0.9	8
117	Recent unrest at Canary Islands' Teide Volcano?. <i>Eos</i> , 2006, 87, 462-465.	0.1	7
118	Engineering geology and future stability of the El Risco landslide, NW-Gran Canaria, Spain. <i>Bulletin of Engineering Geology and the Environment</i> , 2008, 67, 165-172.	1.6	7
119	Lateral versus vertical emplacement in shallow-level intrusions? The Slieve Gullion Ring-complex revisited. <i>Journal of the Geological Society</i> , 2012, 169, 157-171.	0.9	7
120	Friction marks on blocks from pyroclastic flows at the Soufriere Hills volcano, Montserrat: Implications for flow mechanisms: Comment. <i>Geology</i> , 2002, 30, 190.	2.0	6
121	Analogue modelling of volcano flank terrace formation on Mars. <i>Geological Society Special Publication</i> , 2015, 401, 185-202.	0.8	6
122	Exceptionally high whole-rock $\delta^{18}\text{O}$ values in intra-caldera rhyolites from Northeast Iceland. <i>Mineralogical Magazine</i> , 2018, 82, 1147-1168.	0.6	6
123	Structural and Geological Elements of Teide Volcanic Complex: Rift Zones and Gravitational Collapses. <i>Active Volcanoes of the World</i> , 2013, , 57-74.	1.0	6
124	Volcanic particles in agriculture and gardening. <i>Geology Today</i> , 2017, 33, 148-154.	0.3	5
125	A large explosive silicic eruption in the British Palaeogene Igneous Province. <i>Scientific Reports</i> , 2019, 9, 494.	1.6	5
126	A NEW EXPOSURE OF A CALDERA FAULT SEGMENT AT THE SLIEVE GULLION IGNEOUS CENTRE: IMPLICATIONS FOR THE EMPLACEMENT OF THE EARLY RING-COMPLEX. <i>Irish Journal of Earth Sciences</i> , 2008, 26, 1-16.	0.3	5

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127	Whole-rock oxygen isotope ratios as a proxy for the strength and stiffness of hydrothermally altered volcanic rocks. <i>Bulletin of Volcanology</i> , 2022, 84, .	1.1	5
128	Introduction: from the British Tertiary into the future – modern perspectives on the British Palaeogene and North Atlantic Igneous provinces. <i>Geological Magazine</i> , 2009, 146, 305-308.	0.9	4
129	Erupted frothy xenoliths may explain lack of country-rock fragments in plutons. <i>Scientific Reports</i> , 2016, 6, 34566.	1.6	4
130	A message from the –underground forge of the gods–™: history and current eruptions at Mt Etna. <i>Geology Today</i> , 2021, 37, 141-149.	0.3	4
131	Forensic Probe of Bali’s Great Volcano. <i>Eos</i> , 2019, 100, .	0.1	4
132	Iceland's best kept secret. <i>Geology Today</i> , 2014, 30, 54-60.	0.3	3
133	Ancient oral tradition in Central Java warns of volcano–earthquake interaction. <i>Geology Today</i> , 2021, 37, 100-109.	0.3	3
134	Volcanic and Igneous Plumbing Systems: State-of-the-Art and Future Developments. <i>Eos</i> , 2013, 94, 169-169.	0.1	3
135	Absence of hydrothermal oxygen isotope variations in host rocks supports magmatic origin of the giant Grangesberg iron oxide–apatite (IOA) deposit, Central Sweden. <i>International Journal of Earth Sciences</i> , 2022, 111, 425-437.	0.9	3
136	Petrogenesis of the Loch Bà ring-dyke and Centre 3 granites, Isle of Mull, Scotland. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	2
137	Pre-Teide Volcanic Activity on the Northeast Volcanic Rift Zone. <i>Active Volcanoes of the World</i> , 2013, , 75-92.	1.0	2
138	The –Clay-with-Flints–™ deposit in Northern Ireland: reassessment of the evidence for an early Paleocene ignimbrite. <i>Geological Magazine</i> , 2018, 155, 1811-1820.	0.9	1
139	Reply to Comment on –Recent unrest at Canary Islands' Teide Volcano?–. <i>Eos</i> , 2007, 88, 488-488.	0.1	0
140	Influences of magma chamber ellipticity on ring fracturing and eruption at collapse calderas. <i>IOP Conference Series: Earth and Environmental Science</i> , 2008, 3, 012018.	0.2	0
141	Geological Hazards in the Teide Volcanic Complex. <i>Active Volcanoes of the World</i> , 2013, , 249-272.	1.0	0
142	Magmatic Differentiation in the Teide–Pico Viejo Succession: Isotope Analysis as a Key to Deciphering the Origin of Phonolite Magma. <i>Active Volcanoes of the World</i> , 2013, , 173-190.	1.0	0
143	Magma Mixing in the 1100 AD Montaña Reventada Composite Lava Flow: Interaction of Rift Zone and Central Complex Magmatism. <i>Active Volcanoes of the World</i> , 2013, , 191-211.	1.0	0
144	An Introduction to Carbonatites and Carbonatite Complexes. <i>GeoGuide</i> , 2018, , 1-53.	0.2	0

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145	Geochemistry and Al ^{IV} as an Economic Reserve. GeoGuide, 2018, , 91-119.	0.2	0
146	Sacred ground; the Maip ^o s necropolis of north ^o west Gran Canaria. Geology Today, 2019, 35, 55-62.	0.3	0
147	Timing, Distribution and Petrological Evolution of the Teide-Pico Viejo Volcanic Complex. Active Volcanoes of the World, 2013, , 155-172.	1.0	0
148	Excursion Guide. GeoGuide, 2018, , 121-178.	0.2	0
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