J Gregory Shellnutt

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110
papers

2,559
citations

h-index

47
g-index

125
ext. papers

2,999
ext. citations

3.1
avg, IF

L-index

#	Paper	IF	Citations
110	Permian peralkaline, peraluminous and metaluminous A-type granites in the Panxi district, SW China: Their relationship to the Emeishan mantle plume. <i>Chemical Geology</i> , 2007 , 243, 286-316	4.2	227
109	The Emeishan large igneous province: A synthesis. <i>Geoscience Frontiers</i> , 2014 , 5, 369-394	6	202
108	Precise age determination of mafic and felsic intrusive rocks from the Permian Emeishan large igneous province (SW China). <i>Gondwana Research</i> , 2012 , 22, 118-126	5.1	164
107	The role of FeIII oxide crystallization in the formation of A-type granitoids with implications for the Daly gap: An example from the Permian Baima igneous complex, SW China. <i>Chemical Geology</i> , 2009 , 259, 204-217	4.2	114
106	Formation of the Late Permian Panzhihua plutonic-hypabyssal-volcanic igneous complex: Implications for the genesis of FeII oxide deposits and A-type granites of SW China. <i>Earth and Planetary Science Letters</i> , 2010 , 289, 509-519	5.3	94
105	Elemental and SrNd isotope geochemistry of microgranular enclaves from peralkaline A-type granitic plutons of the Emeishan large igneous province, SW China. <i>Lithos</i> , 2010 , 119, 34-46	2.9	84
104	Flood basalt-related Fe I i oxide deposits in the Emeishan large igneous province, SW China. <i>Lithos</i> , 2010 , 119, 123-136	2.9	75
103	Origin of Late Permian Emeishan basaltic rocks from the Panxi region (SW China): Implications for the Ti-classification and spatialdompositional distribution of the Emeishan flood basalts. <i>Journal of Volcanology and Geothermal Research</i> , 2011 , 199, 85-95	2.8	72
102	Zircon Lu⊞f isotopic compositions of metaluminous and peralkaline A-type granitic plutons of the Emeishan large igneous province (SW China): Constraints on the mantle source. <i>Journal of Asian Earth Sciences</i> , 2009 , 35, 45-55	2.8	72
101	Cretaceous ongonites (topaz-bearing albite-rich microleucogranites) from Ongon Khairkhan, Central Mongolia: Products of extreme magmatic fractionation and pervasive metasomatic fluid: rock interaction. <i>Lithos</i> , 2015 , 236-237, 173-189	2.9	68
100	Petrogenesis of the flood basalts from the Early Permian Panjal Traps, Kashmir, India: Geochemical evidence for shallow melting of the mantle. <i>Lithos</i> , 2014 , 204, 159-171	2.9	63
99	No link between the Panjal Traps (Kashmir) and the Late Permian mass extinctions. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	61
98	Crustally-derived granites in the Panzhihua region, SW China: Implications for felsic magmatism in the Emeishan large igneous province. <i>Lithos</i> , 2011 , 123, 145-157	2.9	59
97	Longevity of the Permian Emeishan mantle plume (SW China): 1 Ma, 8 Ma or 18 Ma?. <i>Geological Magazine</i> , 2008 , 145, 373-388	2	57
96	Three Fe-Ti oxide ore-bearing gabbro-granitoid complexes in the Panxi region of the Permian Emeishan large igneous province, SW China. <i>Numerische Mathematik</i> , 2011 , 311, 773-812	5.3	54
95	Origin of the silicic volcanic rocks of the Early Permian Panjal Traps, Kashmir, India. <i>Chemical Geology</i> , 2012 , 334, 154-170	4.2	51
94	Formation of Cretaceous Cordilleran and post-orogenic granites and their microgranular enclaves from the Dalat zone, southern Vietnam: Tectonic implications for the evolution of Southeast Asia. <i>Lithos</i> , 2013 , 182-183, 229-241	2.9	46

93	Permian, rifting related fayalite syenite in the Panxi region, SW China. <i>Lithos</i> , 2008 , 101, 54-73	2.9	44
92	Zircon UPb ages and Hf isotopic compositions of alkaline silicic magmatic rocks in the Phan Si Pan-Tu Le region, northern Vietnam: Identification of a displaced western extension of the Emeishan Large Igneous Province. <i>Journal of Asian Earth Sciences</i> , 2015 , 97, 102-124	2.8	41
91	Petrogenesis of the 723 Ma Coronation sills, Amundsen basin, Arctic Canada: implications for the break-up of Rodinia. <i>Precambrian Research</i> , 2004 , 129, 309-324	3.9	38
90	Mineralogy from three peralkaline granitic plutons of the Late Permian Emeishan large igneous province (SW China): evidence for contrasting magmatic conditions of A-type granitoids. <i>European Journal of Mineralogy</i> , 2011 , 23, 45-61	2.2	34
89	Timing of collisional and post-collisional Pan-African Orogeny silicic magmatism in south-central Chad. <i>Precambrian Research</i> , 2017 , 301, 113-123	3.9	32
88	Magmatic duration of the Emeishan large igneous province: Insight from northern Vietnam. <i>Geology</i> , 2020 , 48, 457-461	5	31
87	A 1.88 Ga giant radiating mafic dyke swarm across southern India and Western Australia. <i>Precambrian Research</i> , 2018 , 308, 58-74	3.9	31
86	A petrogenetic relationship between 2.37 Ga boninitic dyke swarms of the Indian Shield: Evidence from the Central Bastar Craton and the NE Dharwar Craton. <i>Gondwana Research</i> , 2019 , 69, 193-211	5.1	27
85	Multiple mantle sources of the Early Permian Panjal Traps, Kashmir, India. <i>Numerische Mathematik</i> , 2015 , 315, 589-619	5.3	27
84	Correlation between magmatism of the Ladakh Batholith and plate convergence rates during the IndiaEurasia collision. <i>Gondwana Research</i> , 2014 , 26, 1051-1059	5.1	27
83	Petrogenesis of Late Permian silicic rocks of Tu Le basin and Phan Si Pan uplift (NW Vietnam) and their association with the Emeishan large igneous province. <i>Journal of Asian Earth Sciences</i> , 2015 , 109, 1-19	2.8	27
82	Petrogenetic implications of mineral chemical data for the Permian Baima igneous complex, SW China. <i>Mineralogy and Petrology</i> , 2012 , 106, 75-88	1.6	26
81	The origin of Late Ediacaran post-collisional granites near the Chad Lineament, Saharan Metacraton, South-Central Chad. <i>Lithos</i> , 2018 , 304-307, 450-467	2.9	24
80	Oxidation zonation within the Emeishan large igneous province: Evidence from mantle-derived syenitic plutons. <i>Journal of Asian Earth Sciences</i> , 2012 , 54-55, 31-40	2.8	24
79	Platinum element group variations at the Permollriassic boundary in Kashmir and British Columbia and their significance. <i>Chemical Geology</i> , 2010 , 272, 12-19	4.2	22
78	The initial break-up of Pang elicited by Late Pal Dzoic deglaciation. Scientific Reports, 2016 , 6, 31442	4.9	21
77	Origin of peralkaline granites of the Jurassic Bokan Mountain complex (southeastern Alaska) hosting rare metal mineralization. <i>International Geology Review</i> , 2016 , 58, 1-13	2.3	20
76	Mantle Exhumation in an Early Paleozoic Passive Margin, Northern Cordillera, Yukon. <i>Journal of Geology</i> , 2003 , 111, 313-327	2	20

75	A lower crust origin of some flood basalts of the Emeishan large igneous province, SW China. <i>Journal of Asian Earth Sciences</i> , 2015 , 109, 74-85	2.8	19
74	The Panjal Traps. <i>Geological Society Special Publication</i> , 2018 , 463, 59-86	1.7	19
73	Petrological modeling of basaltic rocks from Venus: A case for the presence of silicic rocks. <i>Journal of Geophysical Research E: Planets</i> , 2013 , 118, 1350-1364	4.1	19
72	High-Mg andesite genesis by upper crustal differentiation. <i>Journal of the Geological Society</i> , 2010 , 167, 1081-1088	2.7	19
71	Mantle Potential Temperature Estimates and Primary Melt Compositions of the Low-Ti Emeishan Flood Basalt. <i>Frontiers in Earth Science</i> , 2018 , 6,	3.5	17
70	Petrogenesis of the Mesoproterozoic (1.23 Ga) Sudbury dyke swarm and its questionable relationship to plate separation. <i>International Journal of Earth Sciences</i> , 2012 , 101, 3-23	2.2	17
69	Petrogenesis of the 1.85 Ga Sonakhan mafic dyke swarm, Bastar Craton, India. <i>Lithos</i> , 2019 , 334-335, 88-101	2.9	16
68	Microcontinents among the accretionary complexes of the Central Asia Orogenic Belt: In situ ReDs evidence. <i>Journal of Asian Earth Sciences</i> , 2013 , 62, 37-50	2.8	16
67	Cryptic regional magmatism in the southern Saharan Metacraton at 580 Ma. <i>Precambrian Research</i> , 2019 , 332, 105398	3.9	14
66	Temporal and structural evolution of the Early Palbgene rocks of the Seychelles microcontinent. <i>Scientific Reports</i> , 2017 , 7, 179	4.9	12
65	Secular isotopic variation in lithospheric mantle through the Variscan orogen: Neoproterozoic to Cenozoic magmatism in continental Europe. <i>Geology</i> , 2019 , 47, 637-640	5	11
64	Late Permian mafic rocks identified within the Doba basin of southern Chad and their relationship to the boundary of the Saharan Metacraton. <i>Geological Magazine</i> , 2015 , 152, 1073-1084	2	11
63	Generation of felsic rocks of bimodal volcanic suites from thinned and rifted continental margins: Geochemical and Nd, Sr, Pb-isotopic evidence from Haida Gwaii, British Columbia, Canada. <i>Lithos</i> , 2017 , 292-293, 146-160	2.9	11
62	Resolving discordant UIIhRa ages: constraints on petrogenetic processes of recent effusive eruptions at Tatun Volcano Group, northern Taiwan. <i>Geological Society Special Publication</i> , 2015 , 422, 175-188	1.7	10
61	Linking rock age and soil cover across four islands on the Galpagos archipelago. <i>Journal of South American Earth Sciences</i> , 2020 , 99, 102500	2	10
60	Late Neoproterozoic to Carboniferous genesis of A-type magmas in Avalonia of northern Nova Scotia: repeated partial melting of anhydrous lower crust in contrasting tectonic environments. <i>International Journal of Earth Sciences</i> , 2018 , 107, 587-599	2.2	10
59	Generation of calc-alkaline andesite of the Tatun volcanic group (Taiwan) within an extensional environment by crystal fractionation. <i>International Geology Review</i> , 2014 , 56, 1156-1171	2.3	9
58	Bokan Mountain peralkaline granitic complex, Alexander terrane (southeastern Alaska): evidence for Early Jurassic rifting prior to accretion with North America. <i>Canadian Journal of Earth Sciences</i> , 2013 , 50, 678-691	1.5	9

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57	Evidence of Middle Jurassic magmatism within the Seychelles microcontinent: Implications for the breakup of Gondwana. <i>Geophysical Research Letters</i> , 2015 , 42, 10,207	4.9	9
56	Late Cretaceous intraplate silicic volcanic rocks from the Lake Chad region: An extension of the Cameroon volcanic line?. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 2803-2824	3.6	9
55	Neoproterozoic to Cenozoic magmatism in the central part of the Bohemian Massif (Czech Republic): Isotopic tracking of the evolution of the mantle through the Variscan orogeny. <i>Lithos</i> , 2019 , 326-327, 358-369	2.9	9
54	Mantle source heterogeneity of the Early Jurassic basalt of eastern North America. <i>International Journal of Earth Sciences</i> , 2018 , 107, 1033-1058	2.2	9
53	Derivation of intermediate to silicic magma from the basalt analyzed at the Vega 2 landing site, Venus. <i>PLoS ONE</i> , 2018 , 13, e0194155	3.7	8
52	An ultramafic primary magma for a low Si, high TiBe gabbro in the Panxi region of the Emeishan large igneous province, SW China. <i>Journal of Asian Earth Sciences</i> , 2014 , 79, 329-344	2.8	8
51	Mantle potential temperature estimates of basalt from the surface of Venus. <i>Icarus</i> , 2016 , 277, 98-102	3.8	8
50	Granodiorites of the South Mountain Batholith (Nova Scotia, Canada) derived by partial melting of Avalonia granulite rocks beneath the Meguma terrane: Implications for the heat source of the Late Devonian granites of the Northern Appalachians. <i>Tectonophysics</i> , 2015 , 655, 206-212	3.1	7
49	Petrogenesis of the Triassic Bayan-Ulan alkaline granitic pluton in the North Gobi rift of central Mongolia: Implications for the evolution of Early Mesozoic granitoid magmatism in the Central Asian Orogenic Belt. <i>Journal of Asian Earth Sciences</i> , 2015 , 109, 50-62	2.8	7
48	Two series of Ediacaran collision-related granites in the Guffa Massif, South-Central Chad: Tectonomagmatic constraints on the terminal collision of the eastern Central African Orogenic Belt. <i>Precambrian Research</i> , 2020 , 347, 105823	3.9	7
47	The curious case of the rock at Venera 8. <i>Icarus</i> , 2019 , 321, 50-61	3.8	7
46	A mineralogical investigation of the Late Permian Doba gabbro, southern Chad: Constraints on the parental magma conditions and composition. <i>Journal of African Earth Sciences</i> , 2016 , 114, 13-20	2.2	6
45	Age and tectonic setting of the East Taiwan Ophiolite: implications for the growth and development of the South China Sea. <i>Geological Magazine</i> , 2017 , 154, 441-455	2	6
44	Evidence of silicate immiscibility within flood basalts from the Central Atlantic Magmatic Province. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 4921-4935	3.6	6
43	Long-lived association between Avalonia and the Meguma terrane deduced from zircon geochronology of metasedimentary granulites. <i>Scientific Reports</i> , 2019 , 9, 4065	4.9	5
42	Petrogenetic evolution of Late Paleozoic rhyolites of the Harvey Group, southwestern New Brunswick (Canada) hosting uranium mineralization. <i>Contributions To Mineralogy and Petrology</i> , 2016 , 171, 1	3.5	5
41	NdBr isotopic constraint to the formation of metatexite and diatexite migmatites, Higo metamorphic terrane, central Kyushu, Japan. <i>International Geology Review</i> , 2016 , 58, 405-423	2.3	5
40	Petrogenesis of the Cenozoic alkaline volcanic rock series of the Bskl\(\substact\) t\(\text{B}\) dohol\(\text{Complex}\) (Bohemian Massif), Czech Republic: A case for two lineages. Numerische Mathematik, 2017, 317, 677-70	6 ^{5.3}	5

39	Variable magma reservoir depths for Tongariro Volcanic Complex eruptive deposits from 10,000 years to present. <i>Bulletin of Volcanology</i> , 2017 , 79, 1	2.4	5
38	An evaluation of crustal assimilation within the Late Devonian South Mountain Batholith, SW Nova Scotia. <i>Geological Magazine</i> , 2012 , 149, 353-365	2	5
37	Silurian U Pb zircon intrusive ages for the Red River anorthosite (northern Cape Breton Island): Implications for the Laurentia-Avalonia boundary in Atlantic Canada. <i>Gondwana Research</i> , 2019 , 73, 54	-6 4 ^{.1}	4
36	An autochthonous Avalonian basement source for the latest Ordovician Brenton Pluton in the Meguma terrane of Nova Scotia: UPbHf isotopic constraints and paleogeographic implications. <i>International Journal of Earth Sciences</i> , 2018 , 107, 955-969	2.2	4
35	Old and juvenile source of Paleozoic and Mesozoic basaltic magmas in the Acatli and Ayll complexes, Southern Mexico: Nd isotopic constraints. <i>Tectonophysics</i> , 2016 , 681, 376-384	3.1	4
34	The 186 Ma Dashibalbar alkaline granitoid pluton in the north-Gobi Rift of central Mongolia: Evidence for melting of Neoproterozoic basement above a plume. <i>Numerische Mathematik</i> , 2014 , 314, 613-648	5.3	4
33	Igneous Rock Associations 21. The Early Permian Panjal Traps of the Western Himalaya. <i>Geoscience Canada</i> , 2016 , 43, 251	3.5	4
32	Petrogenesis of post-collisional Late Paleozoic volcanic rocks of the Bohemian Massif (Central Europe): Isotopic variations of the lithospheric mantle related to Variscan orogeny. <i>Lithos</i> , 2020 , 354-355, 105331	2.9	4
31	An Assessment of the Magmatic Conditions of Late Neoproterozoic Collisional and Post-collisional Granites From the Guffa Massif, South-Central Chad. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	4
30	Petrogenesis of silicic rocks from the Phan Si Panllu Le region of the Emeishan large igneous province, northwestern Vietnam. <i>Geological Society Special Publication</i> ,SP518-2020-253	1.7	4
29	Petrogenesis of an Eocene syenitic intrusion from south-central British Columbia: Evidence for increasing influence of cratonic Laurentia on alkaline magmatism of western North America. <i>Lithos</i> , 2019 , 332-333, 67-82	2.9	4
28	Mid-Miocene (post 12 Ma) displacement along the central Karakoram fault zone in the Nubra Valley, Ladakh, India from spot LA-ICPMS U/Pb zircon ages of granites. <i>Journal of the Geological Society of India</i> , 2017 , 89, 231-239	1.3	3
27	Haida Gwaii (British Columbia, Canada): a Phanerozoic analogue of a subduction-unrelated Archean greenstone belt. <i>Scientific Reports</i> , 2019 , 9, 3251	4.9	3
26	Geochemistry of continental alkali basalts in the Sabzevar region, northern Iran: implications for the role of pyroxenite in magma genesis. <i>Contributions To Mineralogy and Petrology</i> , 2020 , 175, 1	3.5	3
25	Chemical and Sr-Nd compositions and 40Ar/39Ar ages of NW-trending dolerite dikes of Burkina Faso: Evidence for a Mesoproterozoic magmatism in the West African Craton. <i>Geoscience Frontiers</i> , 2018 , 9, 1957-1980	6	3
24	Chevkinite-group minerals from the mantle-derived metaluminous Woshui syenite of the Emeishan large igneous province. <i>European Journal of Mineralogy</i> , 2013 , 25, 671-682	2.2	3
23	Formation of Anorthositic Rocks within the Blair River Inlier of Northern Cape Breton Island, Nova Scotia (Canada). <i>Lithosphere</i> , 2020 , 2020,	2.7	3
22	Linking the Wrangellia flood basalts to the Galpagos hotspot. <i>Scientific Reports</i> , 2021 , 11, 8579	4.9	3

21	Late Ediacaran post-collisional magmatism in the Guffa Massif, South-Central Chad. <i>International Geology Review</i> ,1-22	2.3	3
20	Derivation of the Early Carboniferous Wedgeport pluton by crystal fractionation of a mafic parental magma: a rare case of an A-type granite within the Meguma terrane (Nova Scotia, Canada). <i>Geological Magazine</i> , 2020 , 157, 248-262	2	3
19	A petrological experiment on Emeishan basalt: Implications for the formation of syenite from the Baima igneous complex. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2021 , 32, 319-338	1.8	3
18	Platinum-group elemental chemistry of the Baima and Taihe FeIIi oxide bearing gabbroic intrusions of the Emeishan large igneous province, SW China. <i>Chemie Der Erde</i> , 2015 , 75, 35-49	4.3	2
17	Mantle Potential Temperature Estimates of Basalt from the East Taiwan Ophiolite. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2016 , 27, 853-863	1.8	2
16	Late Jurassic Leucogranites of Macau (SE China): A Record of Crustal Recycling During the Early Yanshanian Orogeny. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	2
15	Rapid determination of initial 87Sr/86Sr and estimation of the Rb-Sr age of plutonic rocks by LA-ICPMS of variably altered feldspars: An example from the 1.14 Ga Great Abitibi Dyke, Ontario, Canada. <i>Lithos</i> , 2018 , 314-315, 52-58	2.9	2
14	Petrogenesis of Eocene to early Oligocene granitic rocks in Phan Si Pan uplift area, northwestern Vietnam: Geochemical implications for the Cenozoic crustal evolution of the South China Block. <i>Lithos</i> , 2020 , 372-373, 105640	2.9	1
13	Resolving the origin of the Seychelles microcontinent: Insight from zircon geochronology and Hf isotopes. <i>Precambrian Research</i> , 2020 , 343, 105725	3.9	1
12	Magmatic Sulfide and Fe-Ti Oxide Deposits Associated With Mafic-Ultramafic Intrusions in China 2018 , 239-267		1
11	The Panzhihua Intrusion, SW China. Springer Geology, 2015, 435-463	0.8	1
10	Tectonomagmatic development of the Eocene Pasevh pluton (NW Iran): Implications for the Arabia-Eurasia collision. <i>Journal of Asian Earth Sciences</i> , 2020 , 203, 104551	2.8	1
9	The enigmatic continental crust of North-Central Africa: Saharan Metacraton or Central Sahara Shield?. <i>South African Journal of Geology</i> , 2021 , 124, 383-390	1.6	1
8	Platinum-group element geochemistry of the Panjal Traps: constraints on mantle melting and implications for mineral exploration. <i>Geological Society Special Publication</i> ,SP518-2020-241	1.7	1
7	Secular variability of the thermal regimes of continental flood basalts in large igneous provinces since the Late Paleozoic: Implications for the supercontinent cycle. <i>Earth-Science Reviews</i> , 2022 , 226, 103928	10.2	0
6	Climatic fluctuations during a mass extinction: Rapid carbon and oxygen isotope variations across the Permian-Triassic (PTr) boundary at Guryul Ravine, Kashmir, India. <i>Journal of Asian Earth Sciences</i> , 2022 , 227, 105066	2.8	O
5	Insight into crustal contamination and hydrothermal alteration of the Panjal Traps (Kashmir) from O-isotopes. <i>International Geology Review</i> ,1-18	2.3	О
4	A cumulate syenite in the upper part of the Hongge-layered maficultramafic intrusion, Emeishan large igneous province, SW China. <i>International Journal of Earth Sciences</i> , 2021 , 110, 2979	2.2	O

Modeling results for the composition and typology of non-primary venusian anorthosite. *Icarus*, **2021**, 366, 114531

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- The formation of tonalitic and granodioritic melt from Venusian basalt.. Scientific Reports, **2022**, 12, 1654.9
- Magmatic and Inherited Zircon Ages from a Diorite Xenolith of the Popes Harbour Dyke, Nova

 Scotia: Implications for Late Ediacaran Arc Magmatism in the Avalon Terrane of the Northern

 Appalachians. *Minerals (Basel, Switzerland)*, **2022**, 12, 575