

Kathryn Goodenough

List of Publications by Year in descending order

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63
papers

2,507
citations

218677

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docs citations

72
times ranked

2126
citing authors

#	ARTICLE	IF	CITATIONS
1	The Rare Earth Elements: Demand, Global Resources, and Challenges for Resourcing Future Generations. <i>Natural Resources Research</i> , 2018, 27, 201-216.	4.7	343
2	Europe's rare earth element resource potential: An overview of REE metallogenetic provinces and their geodynamic setting. <i>Ore Geology Reviews</i> , 2016, 72, 838-856.	2.7	239
3	Magmatism of the mid-Proterozoic Gardar Province, South Greenland: chronology, petrogenesis and geological setting. <i>Lithos</i> , 2003, 68, 43-65.	1.4	160
4	Adsorption of rare earth elements in regolith-hosted clay deposits. <i>Nature Communications</i> , 2020, 11, 4386.	12.8	146
5	A review of the potential for rare-earth element resources from European red muds: examples from SeydiÅehir, Turkey and Parnassus-Giona, Greece. <i>Mineralogical Magazine</i> , 2016, 80, 43-61.	1.4	93
6	Geological evolution of the Neoproterozoic Bemarivo Belt, northern Madagascar. <i>Precambrian Research</i> , 2009, 172, 279-300.	2.7	85
7	Petrogenesis of rare-metal pegmatites in high-grade metamorphic terranes: A case study from the Lewisian Gneiss Complex of north-west Scotland. <i>Precambrian Research</i> , 2016, 281, 338-362.	2.7	73
8	Architecture of the Omanâ€œUAE ophiolite: evidence for a multi-phase magmatic history. <i>Arabian Journal of Geosciences</i> , 2010, 3, 439-458.	1.3	72
9	Records of Ocean Growth and Destruction in the Oman-UAE Ophiolite. <i>Elements</i> , 2014, 10, 109-114.	0.5	65
10	Geochemical evolution of the Ivigtut granite, South Greenland: a fluorine-rich â€œA-typeâ€œ intrusion. <i>Lithos</i> , 2000, 51, 205-221.	1.4	64
11	Post-collisional magmatism in the central East African Orogen: The Maevarano Suite of north Madagascar. <i>Lithos</i> , 2010, 116, 18-34.	1.4	58
12	Long-term memory of subduction processes in the lithospheric mantle: evidence from the geochemistry of basic dykes in the Gardar Province of South Greenland. <i>Journal of the Geological Society</i> , 2002, 159, 705-714.	2.1	57
13	Timing of regional deformation and development of the Moine Thrust Zone in the Scottish Caledonides: constraints from the Uâ€œPb geochronology of alkaline intrusions. <i>Journal of the Geological Society</i> , 2011, 168, 99-114.	2.1	57
14	Provenance and tectonic significance of the Palaeoproterozoic metasedimentary successions of central and northern Madagascar. <i>Precambrian Research</i> , 2011, 189, 18-42.	2.7	54
15	Post-collisional Pan-African granitoids and rare metal pegmatites in western Nigeria: Age, petrogenesis, and the â€œpegmatite conundrumâ€œ. <i>Lithos</i> , 2014, 200-201, 22-34.	1.4	52
16	Geological evolution of the Antongil Craton, NE Madagascar. <i>Precambrian Research</i> , 2010, 182, 187-203.	2.7	51
17	REE concentration processes in ion adsorption deposits: Evidence from the Ambohimirahavavy alkaline complex in Madagascar. <i>Ore Geology Reviews</i> , 2019, 112, 103027.	2.7	49
18	Salt domes of the UAE and Oman: Probing eastern Arabia. <i>Precambrian Research</i> , 2015, 256, 1-16.	2.7	48

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19	Towards sustainable extraction of technology materials through integrated approaches. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 665-679.	29.7	46
20	Enriched lithospheric mantle keel below the Scottish margin of the North Atlantic Craton: Evidence from the Palaeoproterozoic Scourie Dyke Swarm and mantle xenoliths. <i>Precambrian Research</i> , 2014, 250, 97-126.	2.7	45
21	New U-Pb age constraints for the Laxford Shear Zone, NW Scotland: Evidence for tectono-magmatic processes associated with the formation of a Paleoproterozoic supercontinent. <i>Precambrian Research</i> , 2013, 233, 1-19.	2.7	44
22	Subduction or sagduction? Ambiguity in constraining the origin of ultramafic-mafic bodies in the Archean crust of NW Scotland. <i>Precambrian Research</i> , 2016, 283, 89-105.	2.7	42
23	Lattice distortion in a zircon population and its effects on trace element mobility and U-Th-Pb isotope systematics: examples from the Lewisian Gneiss Complex, northwest Scotland. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 21-41.	3.1	40
24	Enrichment of Rare Earth Elements during magmatic and post-magmatic processes: a case study from the Loch Loyal Syenite Complex, northern Scotland. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 1177-1202.	3.1	39
25	Carbonatites and lamprophyres of the Gardar Province – a “window” to the sub-Gardar mantle?. <i>Mineralogical Magazine</i> , 2003, 67, 855-872.	1.4	32
26	Carbonatites and Alkaline Igneous Rocks in Post-Collisional Settings: Storehouses of Rare Earth Elements. <i>Journal of Earth Science (Wuhan, China)</i> , 2021, 32, 1332-1358.	3.2	31
27	The minor intrusions of Assynt, NW Scotland: early development of magmatism along the Caledonian Front. <i>Mineralogical Magazine</i> , 2004, 68, 541-559.	1.4	29
28	Polyphase Neoproterozoic orogenesis within the East Africa-Antarctica Orogenic Belt in central and northern Madagascar. <i>Geological Society Special Publication</i> , 2011, 357, 49-68.	1.3	25
29	Geochemical and Sr-Nd isotopic constraints on the petrogenesis and geodynamic significance of the Jebilet magmatism (Variscan Belt, Morocco). <i>Geological Magazine</i> , 2014, 151, 666-691.	1.5	25
30	The Laxford Shear Zone: an end-Archaean terrane boundary?. <i>Geological Society Special Publication</i> , 2010, 335, 103-120.	1.3	24
31	REE mineralisation within the Ditrăvu Alkaline Complex, Romania: Interplay of magmatic and hydrothermal processes. <i>Lithos</i> , 2018, 314-315, 360-381.	1.4	23
32	The igneous rocks of Singapore: New insights to Palaeozoic and Mesozoic assembly of the Sukhothai Arc. <i>Journal of Asian Earth Sciences</i> , 2019, 183, 103940.	2.3	23
33	Temperature-time evolution of the Assynt Terrane of the Lewisian Gneiss Complex of Northwest Scotland from zircon U-Pb dating and Ti thermometry. <i>Precambrian Research</i> , 2015, 260, 55-75.	2.7	21
34	Rare earth element-bearing fluorite deposits of Turkey: An overview. <i>Ore Geology Reviews</i> , 2019, 105, 423-444.	2.7	21
35	The internal structure of the Moine Nappe Complex and the stratigraphy of the Morar Group in the Fannichs-Beinn Dearg area, NW Highlands. <i>Scottish Journal of Geology</i> , 2011, 47, 1-20.	0.1	19
36	Re-evaluating ambiguous age relationships in Archean cratons: Implications for the origin of ultramafic-mafic complexes in the Lewisian Gneiss Complex. <i>Precambrian Research</i> , 2018, 311, 136-156.	2.7	17

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37	Assessing the Validity of Negative High Field Strength-Element Anomalies as a Proxy for Archaean Subduction: Evidence from the Ben Strome Complex, NW Scotland. <i>Geosciences (Switzerland)</i> , 2018, 8, 338.	2.2	16
38	Alkaline-Silicate REE-HFSE Systems. <i>Economic Geology</i> , 2023, 118, 177-208.	3.8	16
39	The petrology and petrogenesis of the North Motzfeldt Centre, Gardar Province, South Greenland. <i>Mineralogical Magazine</i> , 2001, 65, 759-774.	1.4	14
40	Constraining the maximum age of movements in the Moine Thrust Belt: dating the Canisp Porphyry. <i>Scottish Journal of Geology</i> , 2006, 42, 77-81.	0.1	13
41	Fluid flow and polymetallic sulfide mineralization in the Kettara shear zone (Jebilet Massif, Variscan). <i>Journal of Metamorphic Geology</i> , 2013, 31, 1073-1087.	2.0	13
42	Volcanic-Derived Placers as a Potential Resource of Rare Earth Elements: The Aksu Diams Case Study, Turkey. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 208.	2.0	13
43	Economic mineralization in pegmatites: comparing and contrasting NYF and LCT examples. <i>Canadian Mineralogist</i> , 2019, 57, 753-755.	1.0	11
44	The Moroccan Massive Sulphide Deposits: Evidence for a Polyphase Mineralization. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 109.	2.0	9
45	A review of the mineral potential of Liberia. <i>Ore Geology Reviews</i> , 2018, 101, 413-431.	2.7	8
46	Critical Metal Mineralogy: Preface to the special issue of <i>Mineralogical Magazine</i> . <i>Mineralogical Magazine</i> , 2016, 80, 1-4.	1.4	7
47	Evidence for a Moist to Wet Source Transition Throughout the Oman-UAE Ophiolite, and Implications for the Geodynamic History. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 651-672.	2.5	7
48	Structure and stratigraphy of the Morar Group in Knoydart, NW Highlands: implications for the history of the Moine Nappe and stratigraphic links between the Moine and Torridonian successions. <i>Scottish Journal of Geology</i> , 2014, 50, 125-142.	0.1	6
49	The structure and petrology of the Cnoc nan Cuilean Intrusion, Loch Loyal Syenite Complex, NW Scotland. <i>Geological Magazine</i> , 2013, 150, 783-800.	1.5	5
50	Drilling the solid earth: global geodynamic cycles and earth evolution. <i>International Journal of Earth Sciences</i> , 2015, 104, 1573-1587.	1.8	5
51	Caledonian and Knoydartian overprinting of a Grenvillian inlier and the enclosing Morar Group rocks: structural evolution of the Precambrian Proto-Moine Nappe, Glenelg, NW Scotland. <i>Scottish Journal of Geology</i> , 2018, 54, 13-35.	0.1	5
52	Mobilisation of rare earth elements in shear zones: Insights from the Tabouchent granodioritic pluton (Jebilet massif, Variscan Belt, Morocco). <i>Ore Geology Reviews</i> , 2021, 133, 103996.	2.7	5
53	Digital surface models and the landscape: interaction between bedrock and glacial geology in the Ullapool area. <i>Scottish Journal of Geology</i> , 2009, 45, 99-105.	0.1	5
54	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.	1.5	4

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55	Dykes as physical buffers to metamorphic overprinting: an example from the Archaean–Palaeoproterozoic Lewisian Gneiss Complex of NW Scotland. <i>Scottish Journal of Geology</i> , 2017, 53, 41-52.	0.1	4
56	A proximal record of caldera-forming eruptions: the stratigraphy, eruptive history and collapse of the Palaeogene Arran caldera, western Scotland. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	3.0	4
57	The South Barra shear zone: A composite Inverian–Laxfordian shear zone and possible Terrane boundary in the Lewisian gneiss complex of the Isle of Barra, NW Scotland. <i>Scottish Journal of Geology</i> , 2013, 49, 93-103.	0.1	3
58	Petrographic and geochemical study of Jurassic-Cretaceous intrusive massifs (Gabbros-syenites) of the Eastern High Atlas, Morocco (Rich-Talsint axis). <i>Journal of African Earth Sciences</i> , 2021, 184, 104280.	2.0	3
59	Origin of ultramafic–mafic bodies on the Isles of Lewis and Harris (Scotland, UK): Constraints on the Archaean–Paleoproterozoic evolution of the Lewisian Gneiss Complex, North Atlantic Craton. <i>Precambrian Research</i> , 2022, 369, 106523.	2.7	2
60	Intraplate alkaline magmatism: mineralogy and petrogenesis. <i>Mineralogical Magazine</i> , 2003, 67, 829-830.	1.4	1
61	The Kamativi pegmatite: an opportunity for economic development in Zimbabwe?. <i>Canadian Mineralogist</i> , 2019, 57, 791-793.	1.0	1
62	Architecture of the Oman–UAE Ophiolite: Evidence for a Multi-Phase Magmatic History. <i>Frontiers in Earth Sciences</i> , 2013, , 23-42.	0.1	1
63	North Atlantic Craton Conference: Preface to the thematic issue of <i>Mineralogical Magazine</i> . <i>Mineralogical Magazine</i> , 2015, 79, 811-813.	1.4	0