Nicholas Gardiner

List of Publications by Year
in descending order

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39 papers	2,047 citations	279798 23 h-index	276875 41 g-index
44 all docs	44 docs citations	44 times ranked	1467 citing authors

#	Article	IF	Citations
1	Holocene volcanic activity in Anjouan Island (Comoros archipelago) revealed by new Cassignol-Gillot groundmass Kâ€“Ar and 14C ages. Quaternary Geochronology, 2022, 67, 101236.	1.4	12
2	Multitechnique Geochronology of Intrusive and Explosive Activity on Piton des Neiges Volcano, RÃ©union Island. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	5
3	The Mesoarchaean Akia terrane, West Greenland, revisited: New insights based on spatial integration of geophysics, field observation, geochemistry and geochronology. Precambrian Research, 2021, 352, 105958.	2.7	8
4	Theoretical versus empirical secular change in zircon composition. Earth and Planetary Science Letters, 2021, 554, 116660.	4.4	17
5	The phases of the Moon: Modelling crystallisation of the lunar magma ocean through equilibrium thermodynamics. Earth and Planetary Science Letters, 2021, 556, 116721.	4.4	19
6	Stirred not shaken; critical evaluation of a proposed Archean meteorite impact in West Greenland. Earth and Planetary Science Letters, 2021, 557, 116730.	4.4	8
7	Regional zircon U-Pb geochronology for the Maniitsoq region, southwest Greenland. Scientific Data, 2021, 8, 139.	5.3	9
8	Crustal rejuvenation stabilised Earthâ€™s first cratons. Nature Communications, 2021, 12, 3535.	12.8	45
9	Metal anomalies in zircon as a record of granite-hosted mineralization. Chemical Geology, 2021, 585, 120580.	3.3	11
10	Titanite petrochronology linked to phase equilibrium modelling constrains tectono-thermal events in the Akia Terrane, West Greenland. Chemical Geology, 2020, 536, 119467.	3.3	33
11	Differentiating between Inherited and Autocrystic Zircon in Granitoids. Journal of Petrology, 2020, 61, .	2.8	20
12	Geodynamic Implications of Synchronous Norite and TTG Formation in the 3ÂGa Maniitsoq Norite Belt, West Greenland. Frontiers in Earth Science, 2020, 8, .	1.8	12
13	Mesoarchean partial melting of mafic crust and tonalite production during high-Tâ€“low-P stagnant tectonism, Akia Terrane, West Greenland. Precambrian Research, 2020, 339, 105615.	2.7	30
14	Plate Tectonics and the Archean Earth. Annual Review of Earth and Planetary Sciences, 2020, 48, 291-320.	11.0	196
15	North Atlantic Craton architecture revealed by kimberlite-hosted crustal zircons. Earth and Planetary Science Letters, 2020, 534, 116091.	4.4	22
16	Building Mesoarchaean crust upon Eoarchaean roots: the Akia Terrane, West Greenland. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	53
17	A window into an ancient backarc? The magmatic and metamorphic history of the Fraser Zone, Western Australia. Precambrian Research, 2019, 323, 55-69.	2.7	19
18	Secular change in TTG compositions: Implications for the evolution of Archaean geodynamics. Earth and Planetary Science Letters, 2019, 505, 65-75.	4.4	94

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19	Modelling the Hafniumâ€“Neodymium Evolution of Early Earth: A Study from West Greenland. Journal of Petrology, 2019, 60, 177-197.	2.8	13
20	Zircon Uâ€“Pb, Luâ€“Hf and O isotopes from the 3414â€¯Ma Strelley Pool Formation, East Pilbara Terrane, and the Palaeoarchaean emergence of a cryptic cratonic core. Precambrian Research, 2019, 321, 64-84.	2.7	12
21	The crustal architecture of Myanmar imaged through zircon U-Pb, Lu-Hf and O isotopes: Tectonic and metallogenic implications. Gondwana Research, 2018, 62, 27-60.	6.0	76
22	Isotopic insight into the Proterozoic crustal evolution of the Rudall Province, Western Australia. Precambrian Research, 2018, 313, 31-50.	2.7	19
23	Apatite: a U-Pb thermochronometer or geochronometer?. Lithos, 2018, 318-319, 143-157.	1.4	108
24	An impact melt origin for Earthâ€™s oldest known evolved rocks. Nature Geoscience, 2018, 11, 795-799.	12.9	45
25	Melting controls on the lutetiumâ€“hafnium evolution of Archaean crust. Precambrian Research, 2018, 305, 479-488.	2.7	35
26	Proterozoic crustal evolution of the Eucla basement, Australia: Implications for destruction of oceanic crust during emergence of Nuna. Lithos, 2017, 278-281, 427-444.	1.4	54
27	Earthâ€™s first stable continents did not form by subduction. Nature, 2017, 543, 239-242.	27.8	304
28	Processes of crust formation in the early Earth imaged through Hf isotopes from the East Pilbara Terrane. Precambrian Research, 2017, 297, 56-76.	2.7	67
29	Contrasting Granite Metallogeny through the Zircon Record: A Case Study from Myanmar. Scientific Reports, 2017, 7, 748.	3.3	72
30	Chapter 12â€ƒTectonic and metamorphic evolution of the Mogok Metamorphic and Jade Mines belts and ophiolitic terranes of Burma (Myanmar). Geological Society Memoir, 2017, 48, 261-293.	1.7	50
31	The Juvenile Hafnium Isotope Signal as a Record of Supercontinent Cycles. Scientific Reports, 2016, 6, 38503.	3.3	53
32	The tectonic and metallogenic framework of Myanmar: A Tethyan mineral system. Ore Geology Reviews, 2016, 79, 26-45.	2.7	78
33	Did Oligocene crustal thickening precede basin development in northern Thailand? A geochronological reassessment of Doi Inthanon and Doi Suthep. Lithos, 2016, 240-243, 69-83.	1.4	32
34	The closure of Palaeo-Tethys in Eastern Myanmar and Northern Thailand: New insights from zircon Uâ€“Pb and Hf isotope data. Gondwana Research, 2016, 39, 401-422.	6.0	96
35	Tin mining in Myanmar: Production and potential. Resources Policy, 2015, 46, 219-233.	9.6	24
36	Neo-Tethyan magmatism and metallogeny in Myanmar â€“ An Andean analogue?. Journal of Asian Earth Sciences, 2015, 106, 197-215.	2.3	97

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37	Petrogenesis of Malaysian granitoids in the Southeast Asian tin belt: Part 1. Geochemical and Sr-Nd isotopic characteristics. Bulletin of the Geological Society of America, 2015, 127, 1209-1237.	3.3	73
38	Petrogenesis of Malaysian granitoids in the Southeast Asian tin belt: Part 2. U-Pb zircon geochronology and tectonic model. Bulletin of the Geological Society of America, 2015, 127, 1238-1258.	3.3	88
39	The metallogenic provinces of Myanmar. Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science, 2014, 123, 25-38.	0.8	34