

# Dave Phillips

## List of Publications by Year in descending order

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149  
papers

5,871  
citations

50276

46  
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98798

67  
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154  
all docs

154  
docs citations

154  
times ranked

3497  
citing authors

#	ARTICLE	IF	CITATIONS
1	High abundances of noble gas and chlorine delivered to the mantle by serpentinite subduction. <i>Nature Geoscience</i> , 2011, 4, 807-812.	12.9	201
2	Subduction zone fluxes of halogens and noble gases in seafloor and forearc serpentinites. <i>Earth and Planetary Science Letters</i> , 2013, 365, 86-96.	4.4	137
3	Ultra-high precision $^{40}\text{Ar}/^{39}\text{Ar}$ ages for Fish Canyon Tuff and Alder Creek Rhyolite sanidine: New dating standards required?. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 229-239.	3.9	134
4	The Fish Canyon Tuff: A new look at an old low-temperature thermochronology standard. <i>Earth and Planetary Science Letters</i> , 2015, 424, 95-108.	4.4	133
5	Subduction-related diamonds? – The evidence for a mantle-derived origin from coupled $^{13}\text{C}$ – $^{15}\text{N}$ determinations. <i>Chemical Geology</i> , 1998, 147, 147-159.	3.3	116
6	Constraints on kimberlite ascent mechanisms revealed by phlogopite compositions in kimberlites and mantle xenoliths. <i>Lithos</i> , 2016, 240-243, 189-201.	1.4	111
7	Mesozoic Orogenic Gold Mineralization in the Jiaodong Peninsula, China: A Focused Event at $120 \pm 2$ Ma During Cooling of Pregold Granite Intrusions. <i>Economic Geology</i> , 2020, 115, 415-441.	3.8	110
8	Interpreting and reporting $^{40}\text{Ar}/^{39}\text{Ar}$ geochronologic data. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 461-487.	3.3	102
9	Argon isotopic zoning in mantle phlogopite. <i>Geology</i> , 1988, 16, 542.	4.4	97
10	Provenance ages of the Neoproterozoic Katanga Supergroup (Central African Copperbelt), with implications for basin evolution. <i>Journal of African Earth Sciences</i> , 2005, 42, 41-60.	2.0	97
11	Data reporting norms for $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. <i>Quaternary Geochronology</i> , 2009, 4, 346-352.	1.4	97
12	The Kalkarindji continental flood basalt province: A new Cambrian large igneous province in Australia with possible links to faunal extinctions. <i>Geology</i> , 2006, 34, 461.	4.4	96
13	Nature of alkali-carbonate fluids in the sub-continental lithospheric mantle. <i>Geology</i> , 2012, 40, 967-970.	4.4	88
14	Petrogenesis of Mantle Polymict Breccias: Insights into Mantle Processes Coeval with Kimberlite Magmatism. <i>Journal of Petrology</i> , 2014, 55, 831-858.	2.8	86
15	Halogen systematics (Cl, Br, I) in Mid-Ocean Ridge Basalts: A Macquarie Island case study. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 81, 82-93.	3.9	83
16	Evolution of a reworked orogenic zone: The boundary between the delamerian and lachlan fold belts, southeastern Australia *. <i>Australian Journal of Earth Sciences</i> , 2005, 52, 921-940.	1.0	81
17	Stable isotope (C, O, S) compositions of volatile-rich minerals in kimberlites: A review. <i>Chemical Geology</i> , 2014, 374-375, 61-83.	3.3	81
18	New insights into the genesis of Indian kimberlites from the Dharwar Craton via in situ Sr isotope analysis of groundmass perovskite. <i>Geology</i> , 2007, 35, 1011.	4.4	78

#	ARTICLE	IF	CITATIONS
19	African kimberlites revisited: In situ Sr-isotope analysis of groundmass perovskite. <i>Lithos</i> , 2009, 112, 311-317.	1.4	78
20	Did diamond-bearing orangeites originate from MARID-veined peridotites in the lithospheric mantle?. <i>Nature Communications</i> , 2015, 6, 6837.	12.8	78
21	The final stages of kimberlite petrogenesis: Petrography, mineral chemistry, melt inclusions and Sr-C-O isotope geochemistry of the Bultfontein kimberlite (Kimberley, South Africa). <i>Chemical Geology</i> , 2017, 455, 342-356.	3.3	78
22	Oxide, sulphide and carbonate minerals in a mantle polymict breccia: Metasomatism by proto-kimberlite magmas, and relationship to the kimberlite megacrystic suite. <i>Chemical Geology</i> , 2013, 353, 4-18.	3.3	77
23	Mineral chemistry and thermobarometry of inclusions from De Beers Pool diamonds, Kimberley, South Africa. <i>Lithos</i> , 2004, 77, 155-179.	1.4	75
24	Kimberlite genesis from a common carbonate-rich primary melt modified by lithospheric mantle assimilation. <i>Science Advances</i> , 2020, 6, eaaz0424.	10.3	72
25	Chlorine from the mantle: Magmatic halides in the Udachnaya-East kimberlite, Siberia. <i>Earth and Planetary Science Letters</i> , 2009, 285, 96-104.	4.4	70
26	High-precision dating of the Kalkarindji large igneous province, Australia, and synchrony with the Early-Middle Cambrian (Stage 4-5) extinction. <i>Geology</i> , 2014, 42, 543-546.	4.4	70
27	Petrology and Nd-Hf Isotope Geochemistry of the Neoproterozoic Amon Kimberlite Sills, Baffin Island (Canada): Evidence for Deep Mantle Magmatic Activity Linked to Supercontinent Cycles. <i>Journal of Petrology</i> , 2014, 55, 2003-2042.	2.8	69
28	Astronomical calibration of $^{40}\text{Ar}/^{39}\text{Ar}$ reference minerals using high-precision, multi-collector (ARGUSVI) mass spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 351-369.	3.9	67
29	Monazite U-Pb dating and $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology of metamorphic events in the Central African Copperbelt during the Pan-African Lufilian Orogeny. <i>Journal of African Earth Sciences</i> , 2005, 42, 183-199.	2.0	66
30	Thermochronological ( $^{40}\text{Ar}/^{39}\text{Ar}$ ) evidence of Early Palaeozoic basin inversion within the southern Prince Charles Mountains, East Antarctica: implications for East Gondwana. <i>Journal of the Geological Society</i> , 2007, 164, 771-784.	2.1	66
31	Mid-crustal fluid mixing in a Proterozoic Fe oxide-Cu-Au deposit, Ernest Henry, Australia: Evidence from Ar, Kr, Xe, Cl, Br, and I. <i>Earth and Planetary Science Letters</i> , 2007, 256, 328-343.	4.4	65
32	Kimberlites reveal 2.5-billion-year evolution of a deep, isolated mantle reservoir. <i>Nature</i> , 2019, 573, 578-581.	27.8	64
33	The halogen (F, Cl, Br, I) and H <sub>2</sub> O systematics of Samoan lavas: Assimilated-seawater, EM2 and high- $^3\text{He}/^4\text{He}$ components. <i>Earth and Planetary Science Letters</i> , 2015, 410, 197-209.	4.4	62
34	Laser microprobe measurement of chlorine and argon zonation in biotite. <i>Chemical Geology</i> , 1991, 90, 145-168.	3.3	61
35	The tectonostratigraphy, granitoid geochronology and geological evolution of the Precambrian of southern Ethiopia. <i>Journal of African Earth Sciences</i> , 2002, 34, 57-84.	2.0	61
36	Timing and modes of granite magmatism in the core of the Alboran Domain, Rif chain, northern Morocco: Implications for the Alpine evolution of the western Mediterranean. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	59

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37	A new approach to reconstructing the composition and evolution of kimberlite melts: A case study of the archetypal Bultfontein kimberlite (Kimberley, South Africa). <i>Lithos</i> , 2018, 304-307, 1-15.	1.4	58
38	Mesozoic cooling across the Yidun Arc, central-eastern Tibetan Plateau: A reconnaissance $^{40}\text{Ar}/^{39}\text{Ar}$ study. <i>Tectonophysics</i> , 2005, 398, 45-66.	2.2	57
39	In-situ assimilation of mantle minerals by kimberlitic magmas – Direct evidence from a garnet wehrlite xenolith entrained in the Bultfontein kimberlite (Kimberley, South Africa). <i>Lithos</i> , 2016, 256-257, 182-196.	1.4	57
40	Identifying the asthenospheric component of kimberlite magmas from the Dharwar Craton, India. <i>Lithos</i> , 2009, 112, 296-310.	1.4	56
41	Porphyry and Epithermal Deposits and $^{40}\text{Ar}/^{39}\text{Ar}$ Geochronology of the Baguio District, Philippines. <i>Economic Geology</i> , 2011, 106, 1335-1363.	3.8	56
42	$^{40}\text{Ar}/^{39}\text{Ar}$ laser-probe dating of diamond inclusions from the Premier kimberlite. <i>Nature</i> , 1989, 340, 460-462.	27.8	55
43	$^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology of the Kampa Dome, southern Tibet: Implications for tectonic evolution of the North Himalayan gneiss domes. <i>Tectonophysics</i> , 2006, 421, 269-297.	2.2	53
44	Thermochronology of the Yidun Arc, central eastern Tibetan Plateau: constraints from $^{40}\text{Ar}/^{39}\text{Ar}$ K-feldspar and apatite fission track data. <i>Journal of Asian Earth Sciences</i> , 2005, 25, 915-935.	2.3	52
45	New geochemical constraints on the origins of MARID and PIC rocks: Implications for mantle metasomatism and mantle-derived potassic magmatism. <i>Lithos</i> , 2018, 318-319, 478-493.	1.4	50
46	$^{40}\text{Ar}/^{39}\text{Ar}$ and $^{40}\text{Ar}$ age constraints on the timing of regional deformation, south coast of New South Wales, Lachlan Fold Belt: Problems and implications. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 395-408.	1.0	48
47	Timing of gold mineralisation in the western Lachlan Orogen, SE Australia: A critical overview. <i>Australian Journal of Earth Sciences</i> , 2012, 59, 495-525.	1.0	47
48	Late Cretaceous – earliest Paleogene deformation in the Longmen Shan fold-and-thrust belt, eastern Tibetan Plateau margin: Pre-Cenozoic thickened crust?. <i>Tectonics</i> , 2016, 35, 2293-2312.	2.8	46
49	Early Palaeozoic intracratonic shears and post-tectonic cooling in the Rauer Group, Prydz Bay, East Antarctica constrained by $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology. <i>Antarctic Science</i> , 2007, 19, 339-353.	0.9	45
50	The Cambrian Kalkarindji Large Igneous Province: Extent and characteristics based on new $^{40}\text{Ar}/^{39}\text{Ar}$ and geochemical data. <i>Lithos</i> , 2009, 110, 294-304.	1.4	44
51	Sulfur isotope composition of metasomatised mantle xenoliths from the Bultfontein kimberlite (Kimberley, South Africa): Contribution from subducted sediments and the effect of sulfide alteration on S isotope systematics. <i>Earth and Planetary Science Letters</i> , 2016, 445, 114-124.	4.4	43
52	Petrographic and melt-inclusion constraints on the petrogenesis of a magmaclast from the Venetia kimberlite cluster, South Africa. <i>Chemical Geology</i> , 2017, 455, 331-341.	3.3	43
53	Origin of complex zoning in olivine from diverse, diamondiferous kimberlites and tectonic settings: Ekati (Canada), Alto Paranaiba (Brazil) and Kaalvallei (South Africa). <i>Mineralogy and Petrology</i> , 2018, 112, 539-554.	1.1	43
54	Progressive metasomatism of the mantle by kimberlite melts: $\text{Sr}$ – $\text{Nd}$ – $\text{Hf}$ – $\text{Pb}$ isotope compositions of MARID and PIC minerals. <i>Earth and Planetary Science Letters</i> , 2019, 509, 15-26.	4.4	43

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55	Noble gas and halogen constraints on regionally extensive mid-crustal Na-Ca metasomatism, the Proterozoic Eastern Mount Isa Block, Australia. <i>Precambrian Research</i> , 2008, 163, 131-150.	2.7	42
56	Halogens and noble gases in sedimentary formation waters and Zn-Pb deposits: A case study from the Lennard Shelf, Australia. <i>Applied Geochemistry</i> , 2011, 26, 2089-2100.	3.0	41
57	LIMA U-Pb ages link lithospheric mantle metasomatism to Karoo magmatism beneath the Kimberley region, South Africa. <i>Earth and Planetary Science Letters</i> , 2014, 401, 132-147.	4.4	41
58	Part I. Decrepitation and degassing behaviour of quartz up to 1560°C: Analysis of noble gases and halogens in complex fluid inclusion assemblages. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2540-2561.	3.9	40
59	New <sup>40</sup> Ar/ <sup>39</sup> Ar ages for selected young (<1Ma) basalt flows of the Newer Volcanic Province, southeastern Australia. <i>Quaternary Geochronology</i> , 2011, 6, 356-368.	1.4	40
60	New constraints on fluid sources in orogenic gold deposits, Victoria, Australia. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 427-447.	3.1	40
61	Noble gas and halogen constraints on mineralizing fluids of metamorphic versus surficial origin: Mt Isa, Australia. <i>Chemical Geology</i> , 2006, 235, 325-351.	3.3	39
62	Petrogenesis of a Hybrid Cluster of Evolved Kimberlites and Ultramafic Lamprophyres in the Kuusamo Area, Finland. <i>Journal of Petrology</i> , 2019, 60, 2025-2050.	2.8	37
63	The noble gas systematics of late-orogenic H <sub>2</sub> O-CO <sub>2</sub> fluids, Mt Isa, Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1428-1450.	3.9	35
64	High precision multi-collector <sup>40</sup> Ar/ <sup>39</sup> Ar dating of young basalts: Mount Rouse volcano (SE) Tj ETQq0 0 0 rgBT /Overlock 10 Tt 50 382 T	1.4	35
65	Argon isotope and halogen chemistry of phlogopite from South African kimberlites: a combined step-heating, laser probe, electron microprobe and TEM study. <i>Chemical Geology: Isotope Geoscience Section</i> , 1991, 87, 71-98.	0.6	34
66	Redetermination of the <sup>21</sup> Ne relative abundance of the atmosphere, using a high resolution, multi-collector noble gas mass spectrometer (HELIX-MC Plus). <i>International Journal of Mass Spectrometry</i> , 2015, 387, 1-7.	1.5	34
67	Kimberlite-related metasomatism recorded in MARID and PIC mantle xenoliths. <i>Mineralogy and Petrology</i> , 2018, 112, 71-84.	1.1	34
68	Pressure-temperature-deformation-time (P-T-d-t) exhumation history of the Voltri Massif HP complex, Ligurian Alps, Italy. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	33
69	Geochronological Constraints on the Tropicana Gold Deposit and Albany-Fraser Orogen, Western Australia. <i>Economic Geology</i> , 2015, 110, 355-386.	3.8	33
70	Dating Kimberlites: Methods and Emplacement Patterns Through Time. <i>Elements</i> , 2019, 15, 399-404.	0.5	33
71	<sup>40</sup> Ar/ <sup>39</sup> Ar dating of mica-bearing pyrite from thermally overprinted Archean gold deposits. <i>Geology</i> , 2006, 34, 397.	4.4	32
72	Tracking continental-scale modification of the Earth's mantle using zircon megacrysts. <i>Geochemical Perspectives Letters</i> , 0, , 1-6.	5.0	32

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73	Unusual noble gas compositions in polycrystalline diamonds: preliminary results from the Jwaneng kimberlite, Botswana. <i>Chemical Geology</i> , 2004, 203, 347-358.	3.3	31
74	The Origin and Evolution of Mineralizing Fluids in a Sediment-Hosted Orogenic-Gold Deposit, Ballarat East, Southeastern Australia. <i>Economic Geology</i> , 2011, 106, 653-666.	3.8	31
75	Mantle oddities: A sulphate fluid preserved in a MARID xenolith from the Bultfontein kimberlite (Kimberley, South Africa). <i>Earth and Planetary Science Letters</i> , 2013, 376, 74-86.	4.4	31
76	New constraints on the release of noble gases during in vacuo crushing and application to scapolite Brâ€“Clâ€“I and 40Ar/39Ar age determinations. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5673-5692.	3.9	30
77	Isotopic ages of Lentiira - Kuhmo - Kostomuksha olivine lamproite - Group II kimberlites. <i>Bulletin of the Geological Society of Finland</i> , 2007, 79, 203-215.	0.8	30
78	Controls on Skarn Mineralization and Alteration at the Cadia Deposits, New South Wales, Australia. <i>Economic Geology</i> , 2004, 99, 761-788.	3.8	29
79	Compressional reworking of the East African Orogen in the Uluguru Mountains of eastern Tanzania at <i>c.</i> 550â€“Ma: implications for the final assembly of Gondwana. <i>Terra Nova</i> , 2008, 20, 59-67.	2.1	29
80	Stratigraphy, geochronology and evolution of the Mt. Melbourne volcanic field (North Victoria Land, Tj ETQq0 0 0 rBT /Overlock 10 Tf	3.0	29
81	Crystallisation sequence and magma evolution of the De Beers dyke (Kimberley, South Africa). <i>Mineralogy and Petrology</i> , 2018, 112, 503-518.	1.1	29
82	The role of lithospheric heterogeneity on the composition of kimberlite magmas from a single field: The case of Kaavi-Kuopio, Finland. <i>Lithos</i> , 2020, 354-355, 105333.	1.4	29
83	Highâ€“pressure metamorphism in the southern New England Orogen: Implications for longâ€“lived accretionary orogenesis in eastern Australia. <i>Tectonics</i> , 2015, 34, 1979-2010.	2.8	28
84	Kimberlite Metasomatism of the Lithosphere and the Evolution of Olivine in Carbonate-rich Melts â€“ Evidence from the Kimberley Kimberlites (South Africa). <i>Journal of Petrology</i> , 2020, 61, .	2.8	28
85	Structure, detrital zircon Uâ€“â€“Pb ages and 40Ar/39Ar geochronology of the Early Palaeozoic Girilambone Group, central New South Wales: subduction, contraction and extension associated with the Benambran Orogeny. <i>Australian Journal of Earth Sciences</i> , 2005, 52, 137-159.	1.0	27
86	Nickel-rich metasomatism of the lithospheric mantle by pre-kimberlitic alkali-Sâ€“Cl-rich Câ€“Oâ€“H fluids. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 155-171.	3.1	26
87	Reâ€“Os and 40Ar/39Ar isotope measurements of inclusions in alluvial diamonds from the Ural Mountains: Constraints on diamond genesis and eruption ages. <i>Lithos</i> , 2009, 112, 714-723.	1.4	25
88	Ancient metasomatism recorded by ultra-depleted garnet inclusions in diamonds from DeBeers Pool, South Africa. <i>Lithos</i> , 2009, 112, 736-746.	1.4	25
89	New constraints on regional brecciation in the Wernecke Mountains, Canada, from He, Ne, Ar, Kr, Xe, Cl, Br and I in fluid inclusions. <i>Chemical Geology</i> , 2008, 255, 33-46.	3.3	24
90	Part II. Evaluation of 40Arâ€“39Ar quartz ages: Implications for fluid inclusion retentivity and determination of initial 40Ar/36Ar values in Proterozoic samples. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2562-2576.	3.9	22

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91	<sup>40</sup> Ar/ <sup>39</sup> Ar geochronology reveals rapid change from plume-assisted to stress-dependent volcanism in the Newer Volcanic Province, SE Australia. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1065-1089.	2.5	22
92	Application of <sup>36</sup> S/ <sup>40</sup> S Versus <sup>39</sup> Ar/ <sup>40</sup> Ar Correlation diagrams to the <sup>40</sup> Ar/ <sup>39</sup> Ar spectra of phlogopites from Southern African kimberlites. <i>Geophysical Research Letters</i> , 1986, 13, 689-692.	4.0	21
93	The nature of magmatism at Palinpinon geothermal field, Negros Island, Philippines: implications for geothermal activity and regional tectonics. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 129, 321-342.	2.1	20
94	<sup>40</sup> Ar/ <sup>39</sup> Ar analyses of clinopyroxene inclusions in African diamonds: implications for source ages of detrital diamonds. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 151-165.	3.9	20
95	Magnetic and chemical stratigraphy for the Werribee Plains basaltic lava flow-field, Newer Volcanics Province, southeast Australia: implications for eruption frequency. <i>Australian Journal of Earth Sciences</i> , 2005, 52, 41-57.	1.0	20
96	The Palaeozoic tectono-metallogenic evolution of the northern Tasman Fold Belt System, Australia: Interplay of subduction rollback and accretion. <i>Ore Geology Reviews</i> , 2007, 30, 277-296.	2.7	20
97	Structure of the Early Palaeozoic Cape River Metamorphics, Tasmanides of north Queensland: evaluation of the roles of convergent and extensional tectonics. <i>Australian Journal of Earth Sciences</i> , 2005, 52, 261-277.	1.0	18
98	An Overview of Cape Fold Belt Geochronology: Implications for Sediment Provenance and the Timing of Orogenesis. <i>Regional Geology Reviews</i> , 2016, , 45-55.	1.2	18
99	Siliciclastic record of rapid denudation in response to convergent-margin orogenesis, Ross Orogen, Antarctica. , 2004, , .		18
100	Geochronology of Diamonds. <i>Reviews in Mineralogy and Geochemistry</i> , 2022, 88, 567-636.	4.8	18
101	Structural, metamorphic, and geochronological constraints on alternating compression and extension in the Early Paleozoic Gondwanan Pacific margin, northeastern Australia. <i>Tectonics</i> , 2007, 26, n/a-n/a.	2.8	17
102	Evolution of Atauro Island: Temporal constraints on subduction processes beneath the Wetar zone, Banda Arc. <i>Journal of Asian Earth Sciences</i> , 2011, 41, 477-493.	2.3	17
103	Apatite compositions and groundmass mineralogy record divergent melt/fluid evolution trajectories in coherent kimberlites caused by differing emplacement mechanisms. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	17
104	The spatial and temporal evolution of primitive melt compositions within the Lac de Gras kimberlite field, Canada: Source evolution vs lithospheric mantle assimilation. <i>Lithos</i> , 2021, 392-393, 106142.	1.4	17
105	A comparison of geochronological methods commonly applied to kimberlites and related rocks: Three case studies from Finland. <i>Chemical Geology</i> , 2020, 558, 119899.	3.3	16
106	Provenance studies from <sup>40</sup> Ar/ <sup>39</sup> Ar dating of mineral inclusions in diamonds: Methodological tests on the Orapa kimberlite, Botswana. <i>Earth and Planetary Science Letters</i> , 2008, 274, 169-178.	4.4	15
107	Lake Boga Granite, northwestern Victoria: mineralogy, geochemistry and geochronology. <i>Australian Journal of Earth Sciences</i> , 2008, 55, 281-299.	1.0	15
108	Detrital zircon U-Pb and <sup>40</sup> Ar/ <sup>39</sup> Ar hornblende ages from the Aileu Complex, Timor-Leste: provenance and metamorphic cooling history. <i>Journal of the Geological Society</i> , 2014, 171, 299-309.	2.1	15



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109	CH <sub>4</sub> -N <sub>2</sub> in the Maldon gold deposit, central Victoria, Australia. <i>Ore Geology Reviews</i> , 2014, 58, 225-237.	2.7	15
110	An evidence-based approach to accurate interpretation of <sup>40</sup> Ar/ <sup>39</sup> Ar ages from basaltic rocks. <i>Earth and Planetary Science Letters</i> , 2018, 498, 65-76.	4.4	15
111	Early human occupation of southeastern Australia: New insights from <sup>40</sup> Ar/ <sup>39</sup> Ar dating of young volcanoes. <i>Geology</i> , 2020, 48, 390-394.	4.4	15
112	The Timing of Mineralization in the Archean North Pilbara Terrain, Western Australia. <i>Economic Geology</i> , 2002, 97, 733-755.	3.8	14
113	Perturbation of the deep-Earth carbon cycle in response to the Cambrian Explosion. <i>Science Advances</i> , 2022, 8, eabj1325.	10.3	14
114	Timing of Alpine Orogeny and Postorogenic Extension in the Alboran Domain, Inner Rif Chain, Morocco. <i>Tectonics</i> , 2021, 40, e2021TC006707.	2.8	13
115	Strontium Isotope Analysis of Kimberlitic Groundmass Perovskite via LA-MC-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2007, 31, 071117031212001-???	1.9	12
116	Comment on "New <sup>40</sup> Ar/ <sup>39</sup> Ar ages of southern Indian kimberlites and a lamproite and their geochemical evolution" by Osborne et al. [ <i>Precambrian Res.</i> 189 (2011) 91-103]. <i>Precambrian Research</i> , 2012, 208-211, 49-52.	2.7	12
117	Stratigraphy and <sup>40</sup> Ar/ <sup>39</sup> Ar geochronology of the Santa Rosa basin, Baja California: Dynamic evolution of a constrictional rift basin during oblique extension in the Gulf of California. <i>Basin Research</i> , 2013, 25, 388-418.	2.7	12
118	Provenance of Cape Supergroup sediments and timing of Cape Fold Belt orogenesis: Constraints from high-precision <sup>40</sup> Ar/ <sup>39</sup> Ar dating of muscovite. <i>Gondwana Research</i> , 2019, 70, 201-221.	6.0	12
119	Thermotectonic evolution of the western margin of the Yilgarn craton, Western Australia: New insights from <sup>40</sup> Ar/ <sup>39</sup> Ar analysis of muscovite and biotite. <i>Precambrian Research</i> , 2015, 270, 139-154.	2.7	11
120	Titanates of the lindsleyite-mathiasite (LIMA) group reveal isotope disequilibrium associated with metasomatism in the mantle beneath Kimberley (South Africa). <i>Earth and Planetary Science Letters</i> , 2018, 482, 253-264.	4.4	11
121	Noble gas geochemistry of fluid inclusions in South African diamonds: implications for the origin of diamond-forming fluids. <i>Mineralogy and Petrology</i> , 2018, 112, 181-195.	1.1	11
122	Controls on the explosive emplacement of diamondiferous kimberlites: New insights from hypabyssal and pyroclastic units in the Diavik mine, Canada. <i>Lithos</i> , 2020, 360-361, 105410.	1.4	11
123	The geochemistry, petrogenesis and age of an unusual alkaline intrusion in the western Pilbara craton, Western Australia. <i>Lithos</i> , 2009, 112, 419-428.	1.4	10
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