

# Dave Phillips

## List of Publications by Year in descending order

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149  
papers

5,871  
citations

50276

46  
h-index

98798

67  
g-index

154  
all docs

154  
docs citations

154  
times ranked

3497  
citing authors

#	ARTICLE	IF	CITATIONS
1	AusGeochem: An Open Platform for Geochemical Data Preservation, Dissemination and Synthesis. Geostandards and Geoanalytical Research, 2022, 46, 245-259.	3.1	8
2	Perturbation of the deep-Earth carbon cycle in response to the Cambrian Explosion. Science Advances, 2022, 8, eabj1325.	10.3	14
3	Controls on the Emplacement Style of Coherent Kimberlites in the Lac de Gras Field, Canada. Journal of Petrology, 2022, 63, .	2.8	3
4	Revised astronomically calibrated $^{40}\text{Ar}/^{39}\text{Ar}$ ages for the Fish Canyon Tuff sanidine â€“ Closing the interlaboratory gap. Chemical Geology, 2022, 597, 120815.	3.3	10
5	Geodynamic and Isotopic Constraints on the Genesis of Kimberlites, Lamproites and Related Magmas From the Finnish Segment of the Karelian Craton. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	4
6	Geochronology of Diamonds. Reviews in Mineralogy and Geochemistry, 2022, 88, 567-636.	4.8	18
7	Interpreting and reporting $^{40}\text{Ar}/^{39}\text{Ar}$ geochronologic data. Bulletin of the Geological Society of America, 2021, 133, 461-487.	3.3	102
8	The spatial and temporal evolution of primitive melt compositions within the Lac de Gras kimberlite field, Canada: Source evolution vs lithospheric mantle assimilation. Lithos, 2021, 392-393, 106142.	1.4	17
9	Timing of Alpine Orogeny and Postorogenic Extension in the Alboran Domain, Inner Rif Chain, Morocco. Tectonics, 2021, 40, e2021TC006707.	2.8	13
10	Petrogenesis of coeval lamproites and kimberlites from the Wajrakarur field, Southern India: New insights from olivine compositions. Lithos, 2021, 406-407, 106524.	1.4	8
11	Basalt lava flows of the intraplate Newer Volcanic Province in south-east Australia (Melbourne) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Geothermal Research, 2020, 389, 106730.	2.1	5
12	The role of lithospheric heterogeneity on the composition of kimberlite magmas from a single field: The case of Kaavi-Kuopio, Finland. Lithos, 2020, 354-355, 105333.	1.4	29
13	A comparison of geochronological methods commonly applied to kimberlites and related rocks: Three case studies from Finland. Chemical Geology, 2020, 558, 119899.	3.3	16
14	Kimberlite Metasomatism of the Lithosphere and the Evolution of Olivine in Carbonate-rich Melts â€“ Evidence from the Kimberley Kimberlites (South Africa). Journal of Petrology, 2020, 61, .	2.8	28
15	Mesozoic Orogenic Gold Mineralization in the Jiaodong Peninsula, China: A Focused Event at $120 \pm 2$ Ma During Cooling of Pregold Granite Intrusions. Economic Geology, 2020, 115, 415-441.	3.8	110
16	Early human occupation of southeastern Australia: New insights from $^{40}\text{Ar}/^{39}\text{Ar}$ dating of young volcanoes. Geology, 2020, 48, 390-394.	4.4	15
17	$^{40}\text{Ar}/^{39}\text{Ar}$ geochronology of the Pongkor low sulfidation epithermal gold mineralisation, West Java, Indonesia. Ore Geology Reviews, 2020, 119, 103341.	2.7	2
18	Controls on the explosive emplacement of diamondiferous kimberlites: New insights from hypabyssal and pyroclastic units in the Diavik mine, Canada. Lithos, 2020, 360-361, 105410.	1.4	11

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19	Kimberlite genesis from a common carbonate-rich primary melt modified by lithospheric mantle assimilation. <i>Science Advances</i> , 2020, 6, eaaz0424.	10.3	72
20	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
21	Provenance of Cape Supergroup sediments and timing of Cape Fold Belt orogenesis: Constraints from high-precision $^{40}\text{Ar}/^{39}\text{Ar}$ dating of muscovite. <i>Gondwana Research</i> , 2019, 70, 201-221.	6.0	12
22	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
23	Kimberlites reveal 2.5-billion-year evolution of a deep, isolated mantle reservoir. <i>Nature</i> , 2019, 573, 578-581.	27.8	64
24	Dating Kimberlites: Methods and Emplacement Patterns Through Time. <i>Elements</i> , 2019, 15, 399-404.	0.5	33
25	Progressive metasomatism of the mantle by kimberlite melts: Sr $\epsilon$ -Nd $\epsilon$ -Hf $\epsilon$ -Pb isotope compositions of MARID and PIC minerals. <i>Earth and Planetary Science Letters</i> , 2019, 509, 15-26.	4.4	43
26	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
27	Quaternary volcanic evolution in the continental back-arc of southern Mendoza, Argentina. <i>Journal of South American Earth Sciences</i> , 2018, 84, 88-103.	1.4	7
28	Kimberlite-related metasomatism recorded in MARID and PIC mantle xenoliths. <i>Mineralogy and Petrology</i> , 2018, 112, 71-84.	1.1	34
29	$^{40}\text{Ar}/^{39}\text{Ar}$ ages of alkali feldspar xenocrysts constrain the timing of intraplate basaltic volcanism. <i>Quaternary Geochronology</i> , 2018, 47, 14-28.	1.4	9
30	Production of $^{21}\text{Ne}$ in depth-profiled olivine from a 54 Ma basalt sequence, Eastern Highlands (37 $^{\circ}$ S), Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 276-290.	3.9	0
31	Titanates of the lindsleyite $\epsilon$ -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
32	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
33	Provenance history of detrital diamond deposits, West Coast of Namaqualand, South Africa. <i>Mineralogy and Petrology</i> , 2018, 112, 259-273.	1.1	10
34	Major element data, $^{40}\text{Ar}/^{39}\text{Ar}$ step-heating and step-crushing data for anorthoclase megacrysts from the Newer Volcanic Province, south-eastern Australia. <i>Data in Brief</i> , 2018, 19, 1847-1851.	1.0	0
35	An evidence-based approach to accurate interpretation of $^{40}\text{Ar}/^{39}\text{Ar}$ ages from basaltic rocks. <i>Earth and Planetary Science Letters</i> , 2018, 498, 65-76.	4.4	15
36	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

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37	Petrography, Sr-isotope geochemistry and geochronology of the Nxau Nxau kimberlites, north-west Botswana. <i>Mineralogy and Petrology</i> , 2018, 112, 625-638.	1.1	2
38	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
39	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
40	<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
41	<sup>40</sup> Ar/ <sup>39</sup> Ar Geochronology of Volcanic and Intrusive Rocks in the Papandayan Metallic Prospect Area, West Java, Indonesia. <i>Resource Geology</i> , 2017, 67, 53-71.	0.8	1
42	Episodic gold mineralisation correlated with discrete structural events at Ballarat East, southeast Australia. <i>Ore Geology Reviews</i> , 2017, 91, 541-558.	2.7	7
43	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
44	Astronomical calibration of <sup>40</sup> Ar/ <sup>39</sup> Ar reference minerals using high-precision, multi-collector (ARGUSVI) mass spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 351-369.	3.9	67
45	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
46	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
47	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
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	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
50	A new <sup>40</sup> Ar/ <sup>39</sup> Ar eruption age for the Mount Widderin volcano, Newer Volcanic Province, Australia, with implications for eruption frequency in the region. <i>Australian Journal of Earth Sciences</i> , 2016, 63, 175-186.	1.0	5
51	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
52	High-pressure metamorphism in the southern New England Orogen: Implications for long-lived accretionary orogenesis in eastern Australia. <i>Tectonics</i> , 2015, 34, 1979-2010.	2.8	28
53	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
54	Geochronological Constraints on the Tropicana Gold Deposit and Albany-Fraser Orogen, Western Australia. <i>Economic Geology</i> , 2015, 110, 355-386.	3.8	33

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55	Redetermination of the $^{21}\text{Ne}$ 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
56	Did diamond-bearing orangeites originate from MARID-veined peridotites in the lithospheric mantle?. <i>Nature Communications</i> , 2015, 6, 6837.	12.8	78
57	Thermotectonic evolution of the western margin of the Yilgarn craton, Western Australia: New insights from $^{40}\text{Ar}/^{39}\text{Ar}$ analysis of muscovite and biotite. <i>Precambrian Research</i> , 2015, 270, 139-154.	2.7	11
58	The halogen (F, Cl, Br, I) and $\text{H}_2\text{O}$ 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
59	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
60	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
61	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
62	High precision multi-collector $^{40}\text{Ar}/^{39}\text{Ar}$ dating of young basalts: Mount Rouse volcano (SE Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	1.4	35
63	Detrital zircon U-Pb and $^{40}\text{Ar}/^{39}\text{Ar}$ 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
64	Geochronological, morphometric and geochemical constraints on the Pampas Onduladas long basaltic flow (Payán Matrón Volcanic Field, Mendoza, Argentina). <i>Journal of Volcanology and Geothermal Research</i> , 2014, 289, 114-129.	2.1	6
65	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
66	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
67	$\text{CH}_4\text{-N}_2$ in the Maldon gold deposit, central Victoria, Australia. <i>Ore Geology Reviews</i> , 2014, 58, 225-237.	2.7	15
68	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
69	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
70	Stratigraphy and $^{40}\text{Ar}/^{39}\text{Ar}$ 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
71	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
72	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

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73	Nickel-rich metasomatism of the lithospheric mantle by pre-kimberlitic alkali-Sr-Ce-O-H fluids. Contributions To Mineralogy and Petrology, 2013, 165, 155-171.	3.1	26
74	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of alkali feldspar megacrysts from selected young volcanoes of the Newer Volcanic Province, Victoria. Proceedings of the Royal Society of Victoria, 2013, 125, 59.	0.4	6
75	Noble gas and carbon isotope ratios in Argyle diamonds, Western Australia: Evidence for a deeply subducted volatile component. Australian Journal of Earth Sciences, 2012, 59, 1135-1142.	1.0	7
76	Stratigraphy, geochronology and evolution of the Mt. Melbourne volcanic field (North Victoria Land), Tj ETQq0 0 0 ggBT /Overlock 10 Tf	3.0	29
77	Timing of gold mineralisation in the western Lachlan Orogen, SE Australia: A critical overview. Australian Journal of Earth Sciences, 2012, 59, 495-525.	1.0	47
78	Comment on "New Ar-Ar ages of southern Indian kimberlites and a lamproite and their geochemical evolution" by Osborne et al. [Precambrian Res. 189 (2011) 91-103]. Precambrian Research, 2012, 208-211, 49-52.	2.7	12
79	Nature of alkali-carbonate fluids in the sub-continental lithospheric mantle. Geology, 2012, 40, 967-970.	4.4	88
80	Halogen systematics (Cl, Br, I) in Mid-Ocean Ridge Basalts: A Macquarie Island case study. Geochimica Et Cosmochimica Acta, 2012, 81, 82-93.	3.9	83
81	New constraints on fluid sources in orogenic gold deposits, Victoria, Australia. Contributions To Mineralogy and Petrology, 2012, 163, 427-447.	3.1	40
82	Porphyry and Epithermal Deposits and $^{40}\text{Ar}/^{39}\text{Ar}$ Geochronology of the Baguio District, Philippines. Economic Geology, 2011, 106, 1335-1363.	3.8	56
83	High abundances of noble gas and chlorine delivered to the mantle by serpentinite subduction. Nature Geoscience, 2011, 4, 807-812.	12.9	201
84	Halogens and noble gases in sedimentary formation waters and Zn-Pb deposits: A case study from the Lennard Shelf, Australia. Applied Geochemistry, 2011, 26, 2089-2100.	3.0	41
85	The noble gas systematics of late-orogenic H <sub>2</sub> O-CO <sub>2</sub> fluids, Mt Isa, Australia. Geochimica Et Cosmochimica Acta, 2011, 75, 1428-1450.	3.9	35
86	He, Ne and Ar in peridotitic and eclogitic paragenesis diamonds from the Jwaneng kimberlite, Botswana—Implications for mantle evolution and diamond formation ages. Earth and Planetary Science Letters, 2011, 301, 43-51.	4.4	9
87	Evolution of Atauro Island: Temporal constraints on subduction processes beneath the Wetar zone, Banda Arc. Journal of Asian Earth Sciences, 2011, 41, 477-493.	2.3	17
88	New $^{40}\text{Ar}/^{39}\text{Ar}$ ages for selected young (<1Ma) basalt flows of the Newer Volcanic Province, southeastern Australia. Quaternary Geochronology, 2011, 6, 356-368.	1.4	40
89	Reply to Murray-Wallace, C.V. Comment on Matchan and Phillips, 2011. New $^{40}\text{Ar}/^{39}\text{Ar}$ ages for selected young (<1Ma) basalt flows of the Newer Volcanic Province, southeastern Australia. Quaternary Geochronology, 2011, 6, 600.	1.4	0
90	The Origin and Evolution of Mineralizing Fluids in a Sediment-Hosted Orogenic-Gold Deposit, Ballarat East, Southeastern Australia. Economic Geology, 2011, 106, 653-666.	3.8	31

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91	<sup>40</sup> Ar/ <sup>39</sup> Ar and <sup>40</sup> Ar ages: early Paleozoic metamorphism and deformation in the Narooma accretionary complex, NSW. Australian Journal of Earth Sciences, 2011, 58, 21-32.	1.0	10
92	Pressure-temperature-deformation-time (P-T-d-t) exhumation history of the Voltri Massif HP complex, Ligurian Alps, Italy. Tectonics, 2010, 29, n/a-n/a.	2.8	33
93	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. Tectonics, 2010, 29, n/a-n/a.	2.8	59
94	The Cambrian Kalkarindji Large Igneous Province: Extent and characteristics based on new <sup>40</sup> Ar/ <sup>39</sup> Ar and geochemical data. Lithos, 2009, 110, 294-304.	1.4	44
95	Re-Os and <sup>40</sup> Ar/ <sup>39</sup> Ar isotope measurements of inclusions in alluvial diamonds from the Ural Mountains: Constraints on diamond genesis and eruption ages. Lithos, 2009, 112, 714-723.	1.4	25
96	Identifying the asthenospheric component of kimberlite magmas from the Dharwar Craton, India. Lithos, 2009, 112, 296-310.	1.4	56
97	African kimberlites revisited: In situ Sr-isotope analysis of groundmass perovskite. Lithos, 2009, 112, 311-317.	1.4	78
98	The geochemistry, petrogenesis and age of an unusual alkaline intrusion in the western Pilbara craton, Western Australia. Lithos, 2009, 112, 419-428.	1.4	10
99	Ancient metasomatism recorded by ultra-depleted garnet inclusions in diamonds from DeBeers Pool, South Africa. Lithos, 2009, 112, 736-746.	1.4	25
100	Diamond provenance studies from <sup>40</sup> Ar/ <sup>39</sup> Ar dating of clinopyroxene inclusions: An example from the west coast of Namibia. Lithos, 2009, 112, 793-805.	1.4	10
101	Discussion of the Paleozoic metamorphic history of the Central Orogenic Belt of China from <sup>40</sup> Ar/ <sup>39</sup> Ar geochronology of eclogite garnet fluid inclusions by Qiu Hua-Ning and Wijbrans J.R.™. Earth and Planetary Science Letters, 2009, 279, 392-394.	4.4	5
102	Chlorine from the mantle: Magmatic halides in the Udachnaya-East kimberlite, Siberia. Earth and Planetary Science Letters, 2009, 285, 96-104.	4.4	70
103	New constraints on the release of noble gases during in vacuo crushing and application to scapolite Br-Cl and <sup>40</sup> Ar/ <sup>39</sup> Ar age determinations. Geochimica Et Cosmochimica Acta, 2009, 73, 5673-5692.	3.9	30
104	Data reporting norms for <sup>40</sup> Ar/ <sup>39</sup> Ar geochronology. Quaternary Geochronology, 2009, 4, 346-352.	1.4	97
105	Compressional reworking of the East African Orogen in the Uluguru Mountains of eastern Tanzania at $550 \pm 5$ Ma: implications for the final assembly of Gondwana. Terra Nova, 2008, 20, 59-67.	2.1	29
106	Noble gas and halogen constraints on regionally extensive mid-crustal Na-Ca metasomatism, the Proterozoic Eastern Mount Isa Block, Australia. Precambrian Research, 2008, 163, 131-150.	2.7	42
107	Provenance studies from <sup>40</sup> Ar/ <sup>39</sup> Ar dating of mineral inclusions in diamonds: Methodological tests on the Orapa kimberlite, Botswana. Earth and Planetary Science Letters, 2008, 274, 169-178.	4.4	15
108	New constraints on regional brecciation in the Wernecke Mountains, Canada, from He, Ne, Ar, Kr, Xe, Cl, Br and I in fluid inclusions. Chemical Geology, 2008, 255, 33-46.	3.3	24

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109	Lake Boga Granite, northwestern Victoria: mineralogy, geochemistry and geochronology. Australian Journal of Earth Sciences, 2008, 55, 281-299.	1.0	15
110	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. Antarctic Science, 2007, 19, 339-353.	0.9	45
111	Structural, metamorphic, and geochronological constraints on alternating compression and extension in the Early Paleozoic Gondwanan Pacific margin, northeastern Australia. Tectonics, 2007, 26, n/a-n/a.	2.8	17
112	Mid-crustal fluid mixing in a Proterozoic Fe oxide- $\text{Cu}$ - $\text{Au}$ deposit, Ernest Henry, Australia: Evidence from Ar, Kr, Xe, Cl, Br, and I. Earth and Planetary Science Letters, 2007, 256, 328-343.	4.4	65
113	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. Journal of the Geological Society, 2007, 164, 771-784.	2.1	66
114	New insights into the genesis of Indian kimberlites from the Dharwar Craton via in situ Sr isotope analysis of groundmass perovskite. Geology, 2007, 35, 1011.	4.4	78
115	Strontium Isotope Analysis of Kimberlitic Groundmass Perovskite via LA-MC-ICP-MS. Geostandards and Geoanalytical Research, 2007, 31, 071117031212001-???	1.9	12
116	The Palaeozoic tectono-metallogenic evolution of the northern Tasman Fold Belt System, Australia: Interplay of subduction rollback and accretion. Ore Geology Reviews, 2007, 30, 277-296.	2.7	20
117	Isotopic ages of Lentiira - Kuhmo - Kostomuksha olivine lamproite - Group II kimberlites. Bulletin of the Geological Society of Finland, 2007, 79, 203-215.	0.8	30
118	Noble gas and halogen constraints on mineralizing fluids of metamorphic versus surficial origin: Mt Isa, Australia. Chemical Geology, 2006, 235, 325-351.	3.3	39
119	Part I. Decrepitation and degassing behaviour of quartz up to $1560^\circ\text{C}$ : Analysis of noble gases and halogens in complex fluid inclusion assemblages. Geochimica Et Cosmochimica Acta, 2006, 70, 2540-2561.	3.9	40
120	Part II. Evaluation of $^{40}\text{Ar}/^{39}\text{Ar}$ quartz ages: Implications for fluid inclusion retentivity and determination of initial $^{40}\text{Ar}/^{36}\text{Ar}$ values in Proterozoic samples. Geochimica Et Cosmochimica Acta, 2006, 70, 2562-2576.	3.9	22
121	$^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology of the Kampa Dome, southern Tibet: Implications for tectonic evolution of the North Himalayan gneiss domes. Tectonophysics, 2006, 421, 269-297.	2.2	53
122	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of mica-bearing pyrite from thermally overprinted Archean gold deposits. Geology, 2006, 34, 397.	4.4	32
123	The Kalkarindji continental flood basalt province: A new Cambrian large igneous province in Australia with possible links to faunal extinctions. Geology, 2006, 34, 461.	4.4	96
124	Early Palaeozoic cooling of the southern Prince Charles Mountains, East Antarctica: Synchronous cooling of three stratigraphic levels. ASEG Extended Abstracts, 2006, 2006, 1-2.	0.1	0
125	Monazite $\text{U}-\text{Pb}$ dating and $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology of metamorphic events in the Central African Copperbelt during the Pan-African Lufilian Orogeny. Journal of African Earth Sciences, 2005, 42, 183-199.	2.0	66
126	Structural evolution and tectonic context of the Mfongosi Group, Natal thrust front, Tugela terrane, South Africa. Journal of African Earth Sciences, 2005, 43, 415-432.	2.0	4



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127	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
128	Structure, detrital zircon U-Pb ages and $^{40}\text{Ar}/^{39}\text{Ar}$ 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
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