

Balz Kamber

List of Publications by Year in descending order

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192
papers

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13827

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199
docs citations

199
times ranked

9872
citing authors

#	ARTICLE	IF	CITATIONS
1	A template for an improved rock-based subdivision of the pre-Cryogenian timescale. <i>Journal of the Geological Society</i> , 2022, 179, .	0.9	18
2	Dust emissions from Kati Thanda-Lake Eyre: a review. <i>Transactions of the Royal Society of South Australia</i> , 2022, 146, 168-206.	0.1	0
3	Mo isotope composition of the 0.85ÂGa ocean from coupled carbonate and shale archives: Some implications for pre-Cryogenian oxygenation. <i>Precambrian Research</i> , 2022, 378, 106760.	1.2	3
4	The role of pedogenesis and natural fertiliser as vectors for essential metal content in agricultural topsoils, Central India. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	5
5	Depth-dependent peridotite-melt interaction and the origin of variable silica in the cratonic mantle. <i>Nature Communications</i> , 2021, 12, 1082.	5.8	12
6	Evidence for highly depleted lower continental crust using an integrated microanalytical reconstitution approach. <i>Microscopy and Microanalysis</i> , 2021, 27, 1854-1855.	0.2	0
7	Evidence for highly refractory, heat producing element-depleted lower continental crust: Some implications for the formation and evolution of the continents. <i>Chemical Geology</i> , 2021, 580, 120389.	1.4	11
8	Continents. , 2021, , 1-2.		0
9	A Reconstitution Approach for Whole Rock Major and Trace Element Compositions of Granulites from the Kapuskasing Structural Zone. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 573.	0.8	8
10	Ultra-trace Element Characterization of the Central Ottawa River Basin using a Rapid, Flexible, and Low-volume ICP-MS Method. <i>Aquatic Geochemistry</i> , 2020, 26, 327-374.	1.5	10
11	Weathering, alteration and reconstructing Earth's oxygenation. <i>Interface Focus</i> , 2020, 10, 20190140.	1.5	25
12	Evaporative loss of moderately volatile metals from the superheated 1849 Ma Sudbury impact melt sheet inferred from stable Zn isotopes. <i>Earth and Planetary Science Letters</i> , 2020, 544, 116356.	1.8	11
13	New insights into Paleoproterozoic surficial conditions revealed by 1.85ÂGa corestone-rich saprolith. <i>Chemical Geology</i> , 2020, 545, 119621.	1.4	6
14	The Influence of Large Bolide Impacts on Earth's Carbon Cycle. <i>Elements</i> , 2019, 15, 313-318.	0.5	5
15	Modern weathering in outcrop samples versus ancient paleoredox information in drill core samples from a Mesoarchaeon marine oxygen oasis in Pongola Supergroup, South Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 265, 330-353.	1.6	28
16	On the track of a Scottish impact structure: a detrital zircon and apatite provenance study of the Stac Fada Member and wider Stoer Group, NW Scotland. <i>Geological Magazine</i> , 2019, 156, 1863-1876.	0.9	11
17	Lead Isotope Geochemistry of Shales from the Wolverine Volcanogenic Massive Sulfide Deposit, Yukon: Implications for Pb Isotope Vectoring in Exhalative Ore Systems. <i>Economic Geology</i> , 2019, 114, 47-66.	1.8	8
18	Quantitative Data Extraction from Orthopyroxene Trace Element Maps and Its Potential to Examine the Formation of the UG2 Unit, Bushveld Complex. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 73.	0.8	0

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19	Petrological, mineralogical and geochemical peculiarities of Archaean cratons. <i>Chemical Geology</i> , 2019, 511, 123-151.	1.4	33
20	Pervasively anoxic surface conditions at the onset of the Great Oxidation Event: New multi-proxy constraints from the Cooper Lake paleosol. <i>Precambrian Research</i> , 2019, 323, 126-163.	1.2	26
21	Combined zinc-lead isotope and trace-metal assessment of recent atmospheric pollution sources recorded in Irish peatlands. <i>Science of the Total Environment</i> , 2019, 658, 234-249.	3.9	32
22	Laser Ablation-Inductively Coupled Plasma Mass Spectrometry (LA-ICPMS) elemental mapping and its applications in ore geology. <i>Acta Petrologica Sinica</i> , 2019, 35, 1964-1978.	0.3	6
23	Volcanic crystals as time capsules of eruption history. <i>Nature Communications</i> , 2018, 9, 326.	5.8	136
24	Use of trace and rare earth elements to quantify autogenic and allogenic inputs within a lowland karst network. <i>Applied Geochemistry</i> , 2018, 90, 101-114.	1.4	24
25	Palaeo-dust records: A window to understanding past environments. <i>Global and Planetary Change</i> , 2018, 165, 13-43.	1.6	54
26	Elemental and isotopic behaviour of Zn in Deccan basalt weathering profiles: Chemical weathering from bedrock to laterite and links to Zn deficiency in tropical soils. <i>Science of the Total Environment</i> , 2018, 619-620, 1451-1463.	3.9	47
27	Silicon and chromium stable isotopic systematics during basalt weathering and lateritisation: A comparison of variably weathered basalt profiles in the Deccan Traps, India. <i>Geoderma</i> , 2018, 314, 190-204.	2.3	31
28	An exsolution origin for Archean mantle garnet. <i>Geology</i> , 2018, 46, 123-126.	2.0	12
29	From ocean to mantle: new evidence for U-cycling with implications for the HIMU source and the secular Pb isotope evolution of Earth's mantle. <i>Lithos</i> , 2018, 316-317, 66-76.	0.6	18
30	Trace element and Pb isotope fingerprinting of atmospheric pollution sources: A case study from the east coast of Ireland. <i>Applied Geochemistry</i> , 2018, 96, 302-326.	1.4	14
31	New Feldspar Lead Isotope and Trace Element Evidence from the Sudbury Igneous Complex Indicate a Complex Origin of Associated Ni-Cu-PGE Mineralization Involving Underlying Country Rocks. <i>Economic Geology</i> , 2017, 112, 569-590.	1.8	11
32	A new approach to laser-ablation inductively-coupled-plasma mass-spectrometry (LA-ICP-MS) using the flexible map interrogation tool "Monocle"™. <i>Chemical Geology</i> , 2017, 463, 76-93.	1.4	91
33	LA-ICP-MS elemental mapping of pyrite: An application to the Palaeoproterozoic atmosphere. <i>Precambrian Research</i> , 2017, 297, 33-55.	1.2	32
34	Protracted volcanism after large impacts: Evidence from the Sudbury impact basin. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 701-728.	1.5	16
35	The Neoarchaean surficial sulphur cycle: An alternative hypothesis based on analogies with 20th century atmospheric lead. <i>Geobiology</i> , 2017, 15, 385-400.	1.1	7
36	Rare earth element partitioning and subsolidus exchange behaviour in olivine. <i>Chemical Geology</i> , 2017, 475, 1-13.	1.4	6

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37	Hf isotope evidence for effective impact melt homogenisation at the Sudbury impact crater, Ontario, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 215, 317-336.	1.6	7
38	Juvenile crust formation in the Zimbabwe Craton deduced from the O-Hf isotopic record of 3.8–3.1 Ga detrital zircons. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 215, 432-446.	1.6	37
39	Rare Earth Element Determination in Olivine by Laser Ablation–Quadrupole–ICP–MS: An Analytical Strategy and Applications. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 197-212.	1.7	17
40	The formation of large neoblasts in shocked zircon and their utility in dating impacts. <i>Geology</i> , 2017, 45, 1003-1006.	2.0	30
41	Tectonic controls on distribution and stratigraphy of the Cryogenian Rapitan iron formation, northwestern Canada. <i>Precambrian Research</i> , 2016, 278, 303-322.	1.2	15
42	Chemostratigraphy of the Sudbury impact basin fill: Volatile metal loss and post-impact evolution of a submarine impact basin. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 183, 198-233.	1.6	10
43	Differentiated impact melt sheets may be a potential source of Hadean detrital zircon. <i>Geology</i> , 2016, 44, 435-438.	2.0	33
44	Age constraints and geochemical evolution of the Neoarchean mafic–ultramafic Wabassi Intrusive Complex in the Miminiska–Fort Hope greenstone belt, Superior Province, Canada. <i>Precambrian Research</i> , 2016, 286, 101-125.	1.2	3
45	Differentiated impact melt sheets may be a potential source of Hadean detrital zircon: REPLY. <i>Geology</i> , 2016, 44, e399-e399.	2.0	1
46	Ambient Redox and Hydrothermal Environment of the Wolverine Volcanogenic Massive Sulfide Deposit, Yukon: Insights from Lithofacies and Litho-geochemistry of Mississippian Host Shales. <i>Economic Geology</i> , 2016, 111, 1439-1463.	1.8	12
47	Uranium–lead zircon systematics in the Sudbury impact crater-fill: implications for target lithologies and crater evolution. <i>Journal of the Geological Society</i> , 2016, 173, 59-75.	0.9	18
48	Does a Heavy Fe-Isotope Composition of Akilia Quartz-Amphibole-Pyroxene Rocks Necessitate a BIF Origin?. <i>Astrobiology</i> , 2015, 15, 816-824.	1.5	6
49	High-resolution LA-ICP-MS trace element mapping of igneous minerals: In search of magma histories. <i>Chemical Geology</i> , 2015, 409, 157-168.	1.4	126
50	The evolving nature of terrestrial crust from the Hadean, through the Archaean, into the Proterozoic. <i>Precambrian Research</i> , 2015, 258, 48-82.	1.2	198
51	A combined Y/Ho, high field strength element (HFSE) and Nd isotope perspective on basalt weathering, Deccan Traps, India. <i>Chemical Geology</i> , 2015, 396, 25-41.	1.4	80
52	On the track of the elusive Sudbury impact: geochemical evidence for a chondrite or comet bolide. <i>Terra Nova</i> , 2015, 27, 9-20.	0.9	25
53	<i>In situ</i> trace metal analysis of Neoproterozoic–Ordovician shallow-marine microbial carbonate-hosted pyrites. <i>Geobiology</i> , 2015, 13, 316-339.	1.1	12
54	Deep-water seep-related carbonate mounds in a Mesoproterozoic alkaline lake, Borden Basin (Nunavut), Tj ETQq0 Q 0 0 rgBT /Overlock 10	1.2	20

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55	Unprecedented wind erosion and perturbation of surface geochemistry marks the Anthropocene in Australia. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 45-61.	1.0	32
56	The rare earth element signal in Archaean microbial carbonate: information on ocean redox and biogenicity. <i>Journal of the Geological Society</i> , 2014, 171, 745-763.	0.9	101
57	Chemical Abrasion Applied to LA-ICP-MS U-Pb Zircon Geochronology. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 503-518.	0.8	39
58	Apatite Chlorine Concentration Measurements by LA-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2014, 38, 23-35.	1.7	34
59	Trace elements and metal pollution in aerosols at an alpine site, New Zealand: Sources, concentrations and implications. <i>Atmospheric Environment</i> , 2014, 82, 206-217.	1.9	27
60	U-Pb LA-ICPMS dating using accessory mineral standards with variable common Pb. <i>Chemical Geology</i> , 2014, 363, 185-199.	1.4	441
61	Quantifying chemical weathering intensity and trace element release from two contrasting basalt profiles, Deccan Traps, India. <i>Chemical Geology</i> , 2014, 363, 56-75.	1.4	340
62	Effect of salinity on the skeletal chemistry of cultured scleractinian zooxanthellate corals: Cd/Ca ratio as a potential proxy for salinity reconstruction. <i>Coral Reefs</i> , 2014, 33, 169-180.	0.9	18
63	High-resolution lake sediment reconstruction of industrial impact in a world-class mining and smelting center, Sudbury, Ontario, Canada. <i>Applied Geochemistry</i> , 2013, 37, 102-116.	1.4	23
64	Mo isotopic composition of the mid-Neoproterozoic ocean: An iron formation perspective. <i>Precambrian Research</i> , 2013, 230, 168-178.	1.2	20
65	Natural Obsidian Glass as an External Accuracy Reference Material in Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry. <i>Geostandards and Geoanalytical Research</i> , 2013, 37, 169-188.	1.7	15
66	Subduction related tectonic evolution of the Neoproterozoic eastern Dharwar Craton, southern India: New geochemical and isotopic constraints. <i>Precambrian Research</i> , 2013, 227, 204-226.	1.2	83
67	An empirical test of the crystal lattice strain model for rare-earth element partitioning into clinopyroxene. <i>Chemical Geology</i> , 2013, 340, 139-150.	1.4	2
68	The Flin Flon paleosol revisited. <i>Canadian Journal of Earth Sciences</i> , 2013, 50, 1223-1243.	0.6	17
69	Natural Obsidian Glass as an External Accuracy Reference Material in Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry. <i>Geostandards and Geoanalytical Research</i> , 2013, , n/a-n/a.	1.7	0
70	Using Trace Elements in Particulate Matter To Identify the Sources of Semivolatile Organic Contaminants in Air at an Alpine Site. <i>Environmental Science & Technology</i> , 2012, 46, 268-276.	4.6	23
71	Arctic Bay Formation, Borden Basin, Nunavut (Canada): Basin evolution, black shale, and dissolved metal systematics in the Mesoproterozoic ocean. <i>Precambrian Research</i> , 2012, 208-211, 1-18.	1.2	45
72	Archean cherts in banded iron formation: Insight into Neoproterozoic ocean chemistry and depositional processes. <i>Precambrian Research</i> , 2012, 214-215, 227-257.	1.2	62

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73	A new depositional model for glaciogenic Neoproterozoic iron formation: insights from the chemostratigraphy and basin configuration of the Rapitan iron formation ¹Northwest Territories Geoscience Office Contribution 0052.. Canadian Journal of Earth Sciences, 2012, 49, 455-476.	0.6	48
74	Geochemistry of Ocean Floor and Fore-arc Serpentinites: Constraints on the Ultramafic Input to Subduction Zones. Journal of Petrology, 2012, 53, 235-270.	1.1	232
75	VizualAge: A Novel Approach to Laser Ablation ICP-MS U-Pb Geochronology Data Reduction. Geostandards and Geoanalytical Research, 2012, 36, 247-270.	1.7	639
76	Reply to the discussion by Karen Johannesson on "Rare earth element geochemistry of scleractinian coral skeleton during meteoric diagenesis: a sequence through neomorphism of aragonite to calcite" by Webb et al., Sedimentology, 56, 1433-1463. Sedimentology, 2012, 59, 733-736.	1.6	2
77	Laterally extensive modified placer gold deposits in the Paleoproterozoic Mississagi Formation, Clement and Pardo Townships, Ontario. Canadian Journal of Earth Sciences, 2011, 48, 779-792.	0.6	18
78	High-precision rare earth element, nickel, and chromium chemistry of chert microbands pre-screened with in-situ analysis. Chemical Geology, 2011, 285, 133-143.	1.4	38
79	An estimate of 1.9Ga mantle depletion using the high-field-strength elements and Nd-Pb isotopes of ocean floor basalts, Flin Flon Belt, Canada. Precambrian Research, 2011, 189, 114-139.	1.2	22
80	Holocene dust deposition rates in Australia's Murray-Darling Basin record the interplay between aridity and the position of the mid-latitude westerlies. Quaternary Science Reviews, 2011, 30, 3290-3305.	1.4	44
81	In Situ Trace Element and Sulfur Isotope Analysis of Pyrite in a Paleoproterozoic Gold Placer Deposit, Pardo and Clement Townships, Ontario, Canada. Economic Geology, 2011, 106, 667-686.	1.8	89
82	Earliest Seafloor Hydrothermal Systems on Earth: Comparison with Modern Analogues. , 2011, , 15-49.		18
83	Trace Element Geochemistry as a Tool for Interpreting Microbialites. , 2011, , 127-170.		9
84	Atmospheric pollutants in alpine peat bogs record a detailed chronology of industrial and agricultural development on the Australian continent. Environmental Pollution, 2010, 158, 1615-1628.	3.7	70
85	Long-Term Observations of Isotope Ratio Accuracy and Reproducibility Using Quadrupole ICP-MS. Geostandards and Geoanalytical Research, 2010, 34, 161-174.	1.7	39
86	The behaviour of tungsten during mantle melting revisited with implications for planetary differentiation time scales. Geochimica Et Cosmochimica Acta, 2010, 74, 1448-1470.	1.6	75
87	Majoritic garnet: A new approach to pressure estimation of shock events in meteorites and the encapsulation of sub-lithospheric inclusions in diamond. Geochimica Et Cosmochimica Acta, 2010, 74, 5939-5957.	1.6	69
88	Rare Earth Element and yttrium compositions of Archean and Paleoproterozoic Fe formations revisited: New perspectives on the significance and mechanisms of deposition. Geochimica Et Cosmochimica Acta, 2010, 74, 6387-6405.	1.6	373
89	Trace elements record depositional history of an Early Archean stromatolitic carbonate platform. Chemical Geology, 2010, 270, 148-163.	1.4	154
90	Archean mafic-ultramafic volcanic landmasses and their effect on ocean-atmosphere chemistry. Chemical Geology, 2010, 274, 19-28.	1.4	87

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91	Comment on "Lead isotopic evidence for an Australian source of Aeolian dust to Antarctica at times over the last 170,000 years" by P. De Deckker, M. Norman, I.D. Goodwin, A. Wain and F.X. Gingele [Palaeogeography, Palaeoclimatology, Palaeoecology 285 (2010)205-223]. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 298, 432-436.	1.0	6
92	Geochemical and microstructural evidence for in situ formation of pseudotachylitic Sudbury breccia by shock-induced compression and cataclasis. Precambrian Research, 2010, 180, 237-250.	1.2	20
93	Trace-element systematics of sediments in the Murray-Darling Basin, Australia: Sediment provenance and palaeoclimate implications of fine scale chemical heterogeneity. Applied Geochemistry, 2010, 25, 1221-1237.	1.4	66
94	In Situ U/Pb Granulite-Hosted Zircon Dates, Kapuskasing Structural Zone, Ontario: A Late Archean Large Igneous Province (LIP) as a Substrate for Juvenile Crust. Journal of Geology, 2009, 117, 519-541.	0.7	19
95	Rare earth element geochemistry of scleractinian coral skeleton during meteoric diagenesis: a sequence through neomorphism of aragonite to calcite. Sedimentology, 2009, 56, 1433-1463.	1.6	210
96	Oceanic nickel depletion and a methanogen famine before the Great Oxidation Event. Nature, 2009, 458, 750-753.	13.7	397
97	Comparison of Pb Purification by Anion-Exchange Resin Methods and Assessment of Long-Term Reproducibility of Th/U/Pb Ratio Measurements by Quadrupole ICP-MS. Geostandards and Geoanalytical Research, 2009, 33, 169-181.	1.7	48
98	Long-range dust transport from eastern Australia: A proxy for Holocene aridity and ENSO-type climate variability. Earth and Planetary Science Letters, 2009, 282, 167-177.	1.8	124
99	Reconstructing transport pathways for late Quaternary dust from eastern Australia using the composition of trace elements of long traveled dusts. Geomorphology, 2009, 105, 67-79.	1.1	55
100	Geochemical fingerprinting: 40 years of analytical development and real world applications. Applied Geochemistry, 2009, 24, 1074-1086.	1.4	80
101	IMAGING ELEMENT-DISTRIBUTION PATTERNS IN MINERALS BY LASER ABLATION - INDUCTIVELY COUPLED PLASMA - MASS SPECTROMETRY (LA-ICP-MS). Canadian Mineralogist, 2009, 47, 1001-1012.	0.3	90
102	Reconstructing annual inflows to the headwater catchments of the Murray River, Australia, using the Pacific Decadal Oscillation. Geophysical Research Letters, 2009, 36, .	1.5	53
103	Scavenging of atmospheric trace metal pollutants by mineral dusts: Inter-regional transport of Australian trace metal pollution to New Zealand. Atmospheric Environment, 2008, 42, 2460-2478.	1.9	64
104	Aeolian sedimentation and climate variability during the late Quaternary in southeast Queensland, Australia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 265, 171-181.	1.0	57
105	Boron and arsenic in highly evolved Archean felsic rocks: Implications for Archean subduction processes. Earth and Planetary Science Letters, 2008, 274, 479-488.	1.8	34
106	The iron isotope composition of microbial carbonate. Chemical Geology, 2008, 249, 113-128.	1.4	52
107	A review of the isotopic and trace element evidence for mantle and crustal processes in the Hadean and Archean: Implications for the onset of plate tectonic subduction. , 2008, , 1-29.		64
108	Session 8. Biological and Environmental Signatures in Archean Rocks. Astrobiology, 2008, 8, 319-326.	1.5	3

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109	Chapter 2.4 The Enigma of the Terrestrial Protocrust: Evidence for Its Former Existence and the Importance of Its Complete Disappearance. Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana, 2007, , 75-89.	0.2	22
110	A multi-trace element coral record of land-use changes in the Burdekin River catchment, NE Australia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 246, 471-487.	1.0	122
111	3.43 billion-year-old stromatolite reef from the Pilbara Craton of Western Australia: Ecosystem-scale insights to early life on Earth. Precambrian Research, 2007, 158, 198-227.	1.2	170
112	Ua€“Tha€“Pb fractionation in Archaean lower continental crust: Implications for terrestrial Pb isotope systematics. Earth and Planetary Science Letters, 2007, 254, 127-145.	1.8	51
113	Transition metal abundances in microbial carbonate: a pilot study based on <i>in situ</i> LAa€“CPa€“MS analysis. Geobiology, 2007, 5, 375-389.	1.1	62
114	Lamproitic Rocks from a Continental Collision Zone: Evidence for Recycling of Subducted Tethyan Oceanic Sediments in the Mantle Beneath Southern Tibet. Journal of Petrology, 2007, 48, 729-752.	1.1	105
115	High-precision analysis on annual variations of heavy metals, lead isotopes and rare earth elements in mangrove tree rings by inductively coupled plasma mass spectrometry. Nuclear Instruments & Methods in Physics Research B, 2007, 255, 399-408.	0.6	40
116	Rare Earth Element Concentrations in the Natural Water Reference Materials (NRCC) NASS-5, CASS-4 and SLEW-3. Geostandards and Geoanalytical Research, 2007, 31, 95-103.	2.0	48
117	Adakite-like porphyries from the southern Tibetan continental collision zones: evidence for slab melt metasomatism. Contributions To Mineralogy and Petrology, 2007, 153, 105-120.	1.2	173
118	Direct quantification of rare earth element concentrations in natural waters by ICP-MS. Applied Geochemistry, 2006, 21, 839-848.	1.4	66
119	Aquatic geochemistry of the rare earth elements and yttrium in the Pioneer River catchment, Australia. Marine and Freshwater Research, 2006, 57, 725.	0.7	46
120	Micro-scale sulphur isotope evidence for sulphur cycling in the late Archean shallow ocean. Geobiology, 2006, 5, 061221060249002-???.	1.1	78
121	Stromatolite reef from the Early Archaean era of Australia. Nature, 2006, 441, 714-718.	13.7	761
122	How well can Pb isotopes date core formation?. Nature, 2006, 444, E1-E2.	13.7	7
123	The behaviour of the rare earth elements during estuarine mixinga€“ revisited. Marine Chemistry, 2006, 100, 147-161.	0.9	276
124	Rare Earth Element and Yttrium Variability in South East Queensland Waterways. Aquatic Geochemistry, 2006, 12, 39-72.	1.5	443
125	Geological constraints on detecting the earliest life on Earth: a perspective from the Early Archaean (older than 3.7a€“Cyr) of southwest Greenland. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 851-867.	1.8	25
126	Provenance of long-travelled dust determined with ultra-trace-element composition: a pilot study with samples from New Zealand glaciers. Earth Surface Processes and Landforms, 2005, 30, 699-716.	1.2	93

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127	A new estimate for the composition of weathered young upper continental crust from alluvial sediments, Queensland, Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1041-1058.	1.6	340
128	Chemical characterization of earth's most ancient clastic metasediments from the Isua Greenstone Belt, southern West Greenland. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1555-1573.	1.6	103
129	High resolution provenancing of long travelled dust deposited on the Southern Alps, New Zealand. <i>Geomorphology</i> , 2005, 69, 208-221.	1.1	53
130	Integrated Pb- and S-isotope investigation of sulphide minerals from the early Archaean of southwest Greenland. <i>Chemical Geology</i> , 2005, 222, 112-131.	1.4	115
131	Estimates of Australian dust flux into New Zealand: Quantifying the eastern Australian dust plume pathway using trace element calibrated ^{210}Pb as a monitor. <i>Earth and Planetary Science Letters</i> , 2005, 239, 336-351.	1.8	65
132	Volcanic resurfacing and the early terrestrial crust: Zircon U-Pb and REE constraints from the Isua Greenstone Belt, southern West Greenland. <i>Earth and Planetary Science Letters</i> , 2005, 240, 276-290.	1.8	135
133	A trace element study of siderite-jasper banded iron formation in the 3.45Ga Warrawoona Group, Pilbara Craton: Formation from hydrothermal fluids and shallow seawater. <i>Precambrian Research</i> , 2005, 137, 93-114.	1.2	140
134	Petrology and Geochemistry of Early Cretaceous Bimodal Continental Flood Volcanism of the NW Etendeka, Namibia. Part 1: Introduction, Mafic Lavas and Re-evaluation of Mantle Source Components. <i>Journal of Petrology</i> , 2004, 45, 59-105.	1.1	150
135	Assigning Dates to Thin Gneissic Veins in High-Grade Metamorphic Terranes: A Cautionary Tale from Akilia, Southwest Greenland. <i>Journal of Petrology</i> , 2004, 46, 291-318.	1.1	318
136	Dating synmagmatic folds: a case study of Schlingen structures in the Strona-Ceneri Zone (Southern Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	19
137	Simultaneous determination of ^{33}S -CDT and ^{34}S -CDT using masses 48, 49 and 50 on a continuous flow isotope ratio mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2765-2769.	0.7	45
138	Petrology and Geochemistry of Early Cretaceous Bimodal Continental Flood Volcanism of the NW Etendeka, Namibia. Part 2: Characteristics and Petrogenesis of the High-Ti Latite and High-Ti and Low-Ti Voluminous Quartz Latite Eruptives. <i>Journal of Petrology</i> , 2004, 45, 107-138.	1.1	62
139	Characterisation of early Archaean chemical sediments by trace element signatures. <i>Earth and Planetary Science Letters</i> , 2004, 222, 43-60.	1.8	571
140	Geochemistry of late Archaean stromatolites from Zimbabwe: evidence for microbial life in restricted epicontinental seas. <i>Precambrian Research</i> , 2004, 132, 379-399.	1.2	159
141	Rare earth element geochemistry of Late Devonian reefal carbonates, Canning Basin, Western Australia: confirmation of a seawater REE proxy in ancient limestones. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 263-283.	1.6	558
142	Biogenicity inferred from microbialite geochemistry. <i>Microbiology Australia</i> , 2004, 25, 34.	0.1	5
143	Searching for Oldest Life on Earth: A Progress Report. <i>Cellular Origin and Life in Extreme Habitats</i> , 2004, , 63-66.	0.3	0
144	Inheritance of early Archaean Pb-isotope variability from long-lived Hadean protocrust. <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 25-46.	1.2	128

#	ARTICLE	IF	CITATIONS
145	Importance of water for Archaean granitoid petrology: a comparative study of TTG and potassic granitoids from Barberton Mountain Land, South Africa. <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 377-389.	1.2	95
146	Different mineralization styles in a volcanic-hosted ore deposit: the fluid and isotopic signatures of the Mt Morgan Au-Cu deposit, Australia. <i>Ore Geology Reviews</i> , 2003, 22, 61-90.	1.1	32
147	Geological and trace element evidence for a marine sedimentary environment of deposition and biogenicity of 3.45 Ga stromatolitic carbonates in the Pilbara Craton, and support for a reducing Archaean ocean. <i>Geobiology</i> , 2003, 1, 91-108.	1.1	295
148	A refined solution to Earth's hidden niobium: implications for evolution of continental crust and mode of core formation. <i>Precambrian Research</i> , 2003, 126, 289-308.	1.2	126
149	A rare earth element study of complex zircons from early Archaean Amalitsaq gneisses, Godthåbsfjord, south-west Greenland. <i>Precambrian Research</i> , 2003, 126, 363-377.	1.2	52
150	A Refined Solution to the First Terrestrial Pb-isotope Paradox. <i>Journal of Petrology</i> , 2003, 44, 39-53.	1.1	57
151	The Source of the Great Dyke, Zimbabwe, and Its Tectonic Significance: Evidence from Re-Os Isotopes. <i>Journal of Geology</i> , 2003, 111, 565-578.	0.7	36
152	Lamproites from Gausberg, Antarctica: Possible Transition Zone Melts of Archaean Subducted Sediments. <i>Journal of Petrology</i> , 2002, 43, 981-1001.	1.1	196
153	Combined Chemical Separation of Lu, Hf, Sm, Nd, and REEs from a Single Rock Digest: A Precise and Accurate Isotope Determinations of Lu-Hf and Sm-Nd Using Multicollector-ICPMS. <i>Analytical Chemistry</i> , 2002, 74, 67-73.	3.2	53
154	New W-isotope evidence for rapid terrestrial accretion and very early core formation. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3151-3160.	1.6	185
155	Applications of accurate, high-precision Pb isotope ratio measurement by multi-collector ICP-MS. <i>Chemical Geology</i> , 2002, 188, 65-83.	1.4	110
156	On the overabundance of light rare earth elements in terrestrial zircons and its implication for Earth's earliest magmatic differentiation. <i>Earth and Planetary Science Letters</i> , 2002, 204, 333-346.	1.8	138
157	Fluid-mobile trace element constraints on the role of slab melting and implications for Archaean crustal growth models. <i>Contributions To Mineralogy and Petrology</i> , 2002, 144, 38-56.	1.2	177
158	Tungsten isotope evidence from \sim 4.38-Gyr metamorphosed sediments for early meteorite bombardment of the Earth. <i>Nature</i> , 2002, 418, 403-405.	13.7	153
159	Comment on "the Nd and Hf isotopic evolution of the mantle through the Archean: Results from the Isua supracrustals, West Greenland, and from the birimian terranes of West Africa" by Blichert-Toft et al. (1999). <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2017-2021.	1.6	7
160	The geochemistry of late Archaean microbial carbonate: implications for ocean chemistry and continental erosion history. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2509-2525.	1.6	393
161	Age significance of U-Th-Pb zircon data from early Archaean rocks of west Greenland - a reassessment based on combined ion-microprobe and imaging studies - reply. <i>Chemical Geology</i> , 2001, 175, 201-208.	1.4	14
162	Priscoan (4.00-4.03 Ga) orthogneisses from northwestern Canada - by Samuel A. Bowring and Ian S. Williams: discussion. <i>Contributions To Mineralogy and Petrology</i> , 2001, 141, 248-250.	1.2	14

#	ARTICLE	IF	CITATIONS
163	The oldest rocks on Earth: time constraints and geological controversies. Geological Society Special Publication, 2001, 190, 177-203.	0.8	27
164	Role of "hidden" deeply subducted slabs in mantle depletion. Chemical Geology, 2000, 166, 241-254.	1.4	128
165	Initial Pb of the Am [±] l,tsoq gneiss revisited: implications for the timing of early Archaean crustal evolution in West Greenland " Reply. Chemical Geology, 2000, 166, 309-312.	1.4	23
166	Comment on "Variability of Nb/U and Th/La in 3.0 to 2.7 Ga Superior Province ocean plateau basalts: implications for the timing of continental growth and lithosphere recycling" Earth and Planetary Science Letters, 2000, 177, 337-339.	1.8	4
167	Rare earth elements in Holocene reefal microbialites: a new shallow seawater proxy. Geochimica Et Cosmochimica Acta, 2000, 64, 1557-1565.	1.6	618
168	Rocks from the Mantle Transition Zone: Majorite-Bearing Xenoliths from Malaita, Southwest Pacific. Science, 2000, 288, 1215-1223.	6.0	84
169	Zr/Nb Systematics of Ocean Island Basalts Reassessed"the Case for Binary Mixing. Journal of Petrology, 2000, 41, 1007-1021.	1.1	55
170	Evolution of the Continents and the Atmosphere Inferred from Th-U-Nb Systematics of the Depleted Mantle. Science, 1999, 283, 1519-1522.	6.0	210
171	Age significance of U"Th" Pb zircon data from early Archaean rocks of west Greenland" a reassessment based on combined ion-microprobe and imaging studies. Chemical Geology, 1999, 160, 201-224.	1.4	512
172	Origin of ocean island basalts: A new model based on lead and helium isotope systematics. Journal of Geophysical Research, 1999, 104, 25479-25491.	3.3	40
173	Origin of ocean island basalts: A new model based on lead and helium isotope systematics. Journal of Geophysical Research, 1999, 104, 25479-25492.	3.3	4
174	Isotopic peculiarities of an Archaean pegmatite (Union Mine, Mica, South Africa):. Precambrian Research, 1998, 91, 253-267.	1.2	13
175	Pitfalls and new approaches in granulite chronometry. Precambrian Research, 1998, 91, 269-285.	1.2	43
176	Extreme Nd-isotope heterogeneity in the early Archaean"fact or fiction? Case histories from northern Canada and West Greenland"Reply. Chemical Geology, 1998, 148, 219-224.	1.4	57
177	Initial Pb of the Am [±] l,tsoq gneiss revisited: implication for the timing of early Archaean crustal evolution in West Greenland. Chemical Geology, 1998, 150, 19-41.	1.4	105
178	Horizontal accretion and stabilization of the Archean Zimbabwe Craton: Comments and Replies. Geology, 1998, 26, 1147.	2.0	3
179	Re-Appraisal of the Age of the Oldest Water-Lain Sediments, West Greenland. , 1998, , 81-86.		6
180	Growth of subcontinental lithospheric mantle beneath Zimbabwe started at or before 3.8 Ga: Re-Os study on chromites. Geology, 1997, 25, 983.	2.0	69

#	ARTICLE	IF	CITATIONS
181	Single mineral dating by the PbPb step-leaching method: Assessing the mechanisms. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 393-414.	1.6	104
182	Extreme Nd-isotope heterogeneity in the early Archaean – fact or fiction? Case histories from northern Canada and West Greenland. <i>Chemical Geology</i> , 1997, 135, 213-231.	1.4	198
183	Evolution of Nd and Pb isotopes in Central Pacific seawater from ferromanganese crusts. <i>Earth and Planetary Science Letters</i> , 1997, 146, 1-12.	1.8	348
184	Archaean granulites of the Limpopo Belt, Zimbabwe: One slow exhumation or two rapid events?. <i>Tectonics</i> , 1996, 15, 1414-1430.	1.3	43
185	Proterozoic Transpressive Deformation in the Northern Marginal Zone, Limpopo Belt, Zimbabwe. <i>Journal of Geology</i> , 1995, 103, 493-508.	0.7	81
186	Westward continuation of the craton – Limpopo Belt tectonic break in Zimbabwe and new age constraints on the timing of the thrusting. <i>Journal of the Geological Society</i> , 1995, 152, 77-83.	0.9	74
187	Single mineral PbPb dating. <i>Earth and Planetary Science Letters</i> , 1995, 129, 261-268.	1.8	124
188	The Triangle Shearzone, Zimbabwe, revisited: new data document an important event at 2.0 Ga in the Limpopo Belt. <i>Precambrian Research</i> , 1995, 70, 191-213.	1.2	117
189	Peraluminous potassium-rich granitoids in the Semail Ophiolite. <i>Contributions To Mineralogy and Petrology</i> , 1994, 118, 229-238.	1.2	33
190	Discrete metamorphic events in the Limpopo belt, southern Africa: Implications for the application of P-T paths in complex metamorphic terrains. <i>Geology</i> , 1994, 22, 1035.	2.0	93
191	A reassessment of the timing of early Archaean crustal evolution in West Greenland. <i>Geological Survey of Denmark and Greenland Bulletin</i> , 0, 180, 88-93.	0.0	14
192	Th/U and U series systematics of saprolite: importance for the oceanic ²³⁴ U excess. <i>Geochemical Perspectives Letters</i> , 0, , 17-22.	1.0	9