

Balz Kamber

List of Publications by Year in descending order

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papers

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13865

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199
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199
times ranked

9872
citing authors

#	ARTICLE	IF	CITATIONS
1	Stromatolite reef from the Early Archaean era of Australia. <i>Nature</i> , 2006, 441, 714-718.	27.8	761
2	VizualAge: A Novel Approach to Laser Ablation ICP-MS U-Pb Geochronology Data Reduction. <i>Geostandards and Geoanalytical Research</i> , 2012, 36, 247-270.	3.1	639
3	Rare earth elements in Holocene reefal microbialites: a new shallow seawater proxy. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 1557-1565.	3.9	618
4	Characterisation of early Archaean chemical sediments by trace element signatures. <i>Earth and Planetary Science Letters</i> , 2004, 222, 43-60.	4.4	571
5	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.	3.9	558
6	Age significance of Th-Pb zircon data from early Archaean rocks of west Greenland—a reassessment based on combined ion-microprobe and imaging studies. <i>Chemical Geology</i> , 1999, 160, 201-224.	3.3	512
7	Rare Earth Element and Yttrium Variability in South East Queensland Waterways. <i>Aquatic Geochemistry</i> , 2006, 12, 39-72.	1.3	443
8	U-Pb LA-ICPMS dating using accessory mineral standards with variable common Pb. <i>Chemical Geology</i> , 2014, 363, 185-199.	3.3	441
9	Oceanic nickel depletion and a methanogen famine before the Great Oxidation Event. <i>Nature</i> , 2009, 458, 750-753.	27.8	397
10	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.	3.9	393
11	Rare Earth Element and yttrium compositions of Archean and Paleoproterozoic Fe formations revisited: New perspectives on the significance and mechanisms of deposition. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6387-6405.	3.9	373
12	Evolution of Nd and Pb isotopes in Central Pacific seawater from ferromanganese crusts. <i>Earth and Planetary Science Letters</i> , 1997, 146, 1-12.	4.4	348
13	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.	3.9	340
14	Quantifying chemical weathering intensity and trace element release from two contrasting basalt profiles, Deccan Traps, India. <i>Chemical Geology</i> , 2014, 363, 56-75.	3.3	340
15	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.	2.8	318
16	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.	2.4	295
17	The behaviour of the rare earth elements during estuarine mixing—revisited. <i>Marine Chemistry</i> , 2006, 100, 147-161.	2.3	276
18	Geochemistry of Ocean Floor and Fore-arc Serpentinites: Constraints on the Ultramafic Input to Subduction Zones. <i>Journal of Petrology</i> , 2012, 53, 235-270.	2.8	232

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19	Evolution of the Continents and the Atmosphere Inferred from Th-U-Nb Systematics of the Depleted Mantle. <i>Science</i> , 1999, 283, 1519-1522.	12.6	210
20	Rare earth element geochemistry of scleractinian coral skeleton during meteoric diagenesis: a sequence through neomorphism of aragonite to calcite. <i>Sedimentology</i> , 2009, 56, 1433-1463.	3.1	210
21	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.	3.3	198
22	The evolving nature of terrestrial crust from the Hadean, through the Archaean, into the Proterozoic. <i>Precambrian Research</i> , 2015, 258, 48-82.	2.7	198
23	Lamproites from Gausberg, Antarctica: Possible Transition Zone Melts of Archaean Subducted Sediments. <i>Journal of Petrology</i> , 2002, 43, 981-1001.	2.8	196
24	New W-isotope evidence for rapid terrestrial accretion and very early core formation. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3151-3160.	3.9	185
25	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.	3.1	177
26	Adakite-like porphyries from the southern Tibetan continental collision zones: evidence for slab melt metasomatism. <i>Contributions To Mineralogy and Petrology</i> , 2007, 153, 105-120.	3.1	173
27	3.43 billion-year-old stromatolite reef from the Pilbara Craton of Western Australia: Ecosystem-scale insights to early life on Earth. <i>Precambrian Research</i> , 2007, 158, 198-227.	2.7	170
28	Geochemistry of late Archaean stromatolites from Zimbabwe: evidence for microbial life in restricted epicontinental seas. <i>Precambrian Research</i> , 2004, 132, 379-399.	2.7	159
29	Trace elements record depositional history of an Early Archean stromatolitic carbonate platform. <i>Chemical Geology</i> , 2010, 270, 148-163.	3.3	154
30	Tungsten isotope evidence from ~4.38-Gyr metamorphosed sediments for early meteorite bombardment of the Earth. <i>Nature</i> , 2002, 418, 403-405.	27.8	153
31	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.	2.8	150
32	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.	2.7	140
33	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.	4.4	138
34	Volcanic crystals as time capsules of eruption history. <i>Nature Communications</i> , 2018, 9, 326.	12.8	136
35	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.	4.4	135
36	Role of “hidden” deeply subducted slabs in mantle depletion. <i>Chemical Geology</i> , 2000, 166, 241-254.	3.3	128

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37	Inheritance of early Archaean Pb-isotope variability from long-lived Hadean protocrust. <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 25-46.	3.1	128
38	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.	2.7	126
39	High-resolution LA-ICP-MS trace element mapping of igneous minerals: In search of magma histories. <i>Chemical Geology</i> , 2015, 409, 157-168.	3.3	126
40	Single mineral PbPb dating. <i>Earth and Planetary Science Letters</i> , 1995, 129, 261-268.	4.4	124
41	Long-range dust transport from eastern Australia: A proxy for Holocene aridity and ENSO-type climate variability. <i>Earth and Planetary Science Letters</i> , 2009, 282, 167-177.	4.4	124
42	A multi-trace element coral record of land-use changes in the Burdekin River catchment, NE Australia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 246, 471-487.	2.3	122
43	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.	2.7	117
44	Integrated Pb- and S-isotope investigation of sulphide minerals from the early Archaean of southwest Greenland. <i>Chemical Geology</i> , 2005, 222, 112-131.	3.3	115
45	Applications of accurate, high-precision Pb isotope ratio measurement by multi-collector ICP-MS. <i>Chemical Geology</i> , 2002, 188, 65-83.	3.3	110
46	Initial Pb of the Amîtsoq gneiss revisited: implication for the timing of early Archaean crustal evolution in West Greenland. <i>Chemical Geology</i> , 1998, 150, 19-41.	3.3	105
47	Lamproitic Rocks from a Continental Collision Zone: Evidence for Recycling of Subducted Tethyan Oceanic Sediments in the Mantle Beneath Southern Tibet. <i>Journal of Petrology</i> , 2007, 48, 729-752.	2.8	105
48	Single mineral dating by the PbPb step-leaching method: Assessing the mechanisms. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 393-414.	3.9	104
49	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.	3.9	103
50	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.	2.1	101
51	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.	3.1	95
52	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.	4.4	93
53	Provenance of long-travelled dust determined with ultra-trace-element composition: a pilot study with samples from New Zealand glaciers. <i>Earth Surface Processes and Landforms</i> , 2005, 30, 699-716.	2.5	93
54	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.	3.3	91

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55	IMAGING ELEMENT-DISTRIBUTION PATTERNS IN MINERALS BY LASER ABLATION - INDUCTIVELY COUPLED PLASMA - MASS SPECTROMETRY (LA-ICP-MS). <i>Canadian Mineralogist</i> , 2009, 47, 1001-1012.	1.0	90
56	In Situ Trace Element and Sulfur Isotope Analysis of Pyrite in a Paleoproterozoic Gold Placer Deposit, Pardo and Clement Townships, Ontario, Canada. <i>Economic Geology</i> , 2011, 106, 667-686.	3.8	89
57	Archean mafic-ultramafic volcanic landmasses and their effect on ocean-atmosphere chemistry. <i>Chemical Geology</i> , 2010, 274, 19-28.	3.3	87
58	Rocks from the Mantle Transition Zone: Majorite-Bearing Xenoliths from Malaita, Southwest Pacific. <i>Science</i> , 2000, 288, 1215-1223.	12.6	84
59	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.	2.7	83
60	Proterozoic Transpressive Deformation in the Northern Marginal Zone, Limpopo Belt, Zimbabwe. <i>Journal of Geology</i> , 1995, 103, 493-508.	1.4	81
61	Geochemical fingerprinting: 40 years of analytical development and real world applications. <i>Applied Geochemistry</i> , 2009, 24, 1074-1086.	3.0	80
62	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.	3.3	80
63	Micro-scale sulphur isotope evidence for sulphur cycling in the late Archean shallow ocean. <i>Geobiology</i> , 2006, 5, 061221060249002-???	2.4	78
64	The behaviour of tungsten during mantle melting revisited with implications for planetary differentiation time scales. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1448-1470.	3.9	75
65	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.	2.1	74
66	Atmospheric pollutants in alpine peat bogs record a detailed chronology of industrial and agricultural development on the Australian continent. <i>Environmental Pollution</i> , 2010, 158, 1615-1628.	7.5	70
67	Growth of subcontinental lithospheric mantle beneath Zimbabwe started at or before 3.8 Ga: Re-Os study on chromites. <i>Geology</i> , 1997, 25, 983.	4.4	69
68	Majoritic garnet: A new approach to pressure estimation of shock events in meteorites and the encapsulation of sub-lithospheric inclusions in diamond. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5939-5957.	3.9	69
69	Direct quantification of rare earth element concentrations in natural waters by ICP-MS. <i>Applied Geochemistry</i> , 2006, 21, 839-848.	3.0	66
70	Trace-element systematics of sediments in the Murray-Darling Basin, Australia: Sediment provenance and palaeoclimate implications of fine scale chemical heterogeneity. <i>Applied Geochemistry</i> , 2010, 25, 1221-1237.	3.0	66
71	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.	4.4	65
72	Scavenging of atmospheric trace metal pollutants by mineral dusts: Inter-regional transport of Australian trace metal pollution to New Zealand. <i>Atmospheric Environment</i> , 2008, 42, 2460-2478.	4.1	64

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73	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
74	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. Journal of Petrology, 2004, 45, 107-138.	2.8	62
75	Transition metal abundances in microbial carbonate: a pilot study based on <i>in situ</i> LA-ICP-MS analysis. Geobiology, 2007, 5, 375-389.	2.4	62
76	Archean cherts in banded iron formation: Insight into Neoproterozoic ocean chemistry and depositional processes. Precambrian Research, 2012, 214-215, 227-257.	2.7	62
77	Extreme Nd-isotope heterogeneity in the early Archean—fact or fiction? Case histories from northern Canada and West Greenland—Reply. Chemical Geology, 1998, 148, 219-224.	3.3	57
78	A Refined Solution to the First Terrestrial Pb-isotope Paradox. Journal of Petrology, 2003, 44, 39-53.	2.8	57
79	Aeolian sedimentation and climate variability during the late Quaternary in southeast Queensland, Australia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 265, 171-181.	2.3	57
80	Zr/Nb Systematics of Ocean Island Basalts Reassessed—the Case for Binary Mixing. Journal of Petrology, 2000, 41, 1007-1021.	2.8	55
81	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.	2.6	55
82	Palaeo-dust records: A window to understanding past environments. Global and Planetary Change, 2018, 165, 13-43.	3.5	54
83	Combined Chemical Separation of Lu, Hf, Sm, Nd, and REEs from a Single Rock Digest: Precise and Accurate Isotope Determinations of Lu-Hf and Sm-Nd Using Multicollector-ICPMS. Analytical Chemistry, 2002, 74, 67-73.	6.5	53
84	High resolution provenancing of long travelled dust deposited on the Southern Alps, New Zealand. Geomorphology, 2005, 69, 208-221.	2.6	53
85	Reconstructing annual inflows to the headwater catchments of the Murray River, Australia, using the Pacific Decadal Oscillation. Geophysical Research Letters, 2009, 36, .	4.0	53
86	A rare earth element study of complex zircons from early Archean Amalitsok gneisses, Godthåbsfjord, south-west Greenland. Precambrian Research, 2003, 126, 363-377.	2.7	52
87	The iron isotope composition of microbial carbonate. Chemical Geology, 2008, 249, 113-128.	3.3	52
88	U-Th-Pb fractionation in Archean lower continental crust: Implications for terrestrial Pb isotope systematics. Earth and Planetary Science Letters, 2007, 254, 127-145.	4.4	51
89	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.	1.9	48
90	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.	3.1	48

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91	A new depositional model for glaciogenic Neoproterozoic iron formation: insights from the chemostratigraphy and basin configuration of the Rapitan iron formation ¹ Northwest Territories Geoscience Office Contribution 0052.. Canadian Journal of Earth Sciences, 2012, 49, 455-476.	1.3	48
92	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. Science of the Total Environment, 2018, 619-620, 1451-1463.	8.0	47
93	Aquatic geochemistry of the rare earth elements and yttrium in the Pioneer River catchment, Australia. Marine and Freshwater Research, 2006, 57, 725.	1.3	46
94	Simultaneous determination of ³³ Sv-CDT and ³⁴ Sv-CDT using masses 48, 49 and 50 on a continuous flow isotope ratio mass spectrometer. Rapid Communications in Mass Spectrometry, 2004, 18, 2765-2769.	1.5	45
95	Arctic Bay Formation, Borden Basin, Nunavut (Canada): Basin evolution, black shale, and dissolved metal systematics in the Mesoproterozoic ocean. Precambrian Research, 2012, 208-211, 1-18.	2.7	45
96	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.	3.0	44
97	Archaean granulites of the Limpopo Belt, Zimbabwe: One slow exhumation or two rapid events?. Tectonics, 1996, 15, 1414-1430.	2.8	43
98	Pitfalls and new approaches in granulite chronometry. Precambrian Research, 1998, 91, 269-285.	2.7	43
99	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
100	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.	1.4	40
101	Long-Term Observations of Isotope Ratio Accuracy and Reproducibility Using Quadrupole ICP-MS. Geostandards and Geoanalytical Research, 2010, 34, 161-174.	3.1	39
102	Chemical Abrasion Applied to LA-ICP-MS U-Pb Zircon Geochronology. Minerals (Basel, Switzerland), 2014, 4, 503-518.	2.0	39
103	High-precision rare earth element, nickel, and chromium chemistry of chert microbands pre-screened with in-situ analysis. Chemical Geology, 2011, 285, 133-143.	3.3	38
104	Juvenile crust formation in the Zimbabwe Craton deduced from the O-Hf isotopic record of 3.8-3.1 Ga detrital zircons. Geochimica Et Cosmochimica Acta, 2017, 215, 432-446.	3.9	37
105	The Source of the Great Dyke, Zimbabwe, and Its Tectonic Significance: Evidence from Re-Os Isotopes. Journal of Geology, 2003, 111, 565-578.	1.4	36
106	Boron and arsenic in highly evolved Archean felsic rocks: Implications for Archean subduction processes. Earth and Planetary Science Letters, 2008, 274, 479-488.	4.4	34
107	Apatite Chlorine Concentration Measurements by LA-ICP-MS. Geostandards and Geoanalytical Research, 2014, 38, 23-35.	3.1	34
108	Peraluminous potassium-rich granitoids in the Semail Ophiolite. Contributions To Mineralogy and Petrology, 1994, 118, 229-238.	3.1	33

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109	Differentiated impact melt sheets may be a potential source of Hadean detrital zircon. <i>Geology</i> , 2016, 44, 435-438.	4.4	33
110	Petrological, mineralogical and geochemical peculiarities of Archaean cratons. <i>Chemical Geology</i> , 2019, 511, 123-151.	3.3	33
111	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.	2.7	32
112	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.	2.8	32
113	LA-ICP-MS elemental mapping of pyrite: An application to the Palaeoproterozoic atmosphere. <i>Precambrian Research</i> , 2017, 297, 33-55.	2.7	32
114	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.	8.0	32
115	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.	5.1	31
116	The formation of large neoblasts in shocked zircon and their utility in dating impacts. <i>Geology</i> , 2017, 45, 1003-1006.	4.4	30
117	Modern weathering in outcrop samples versus ancient paleoredox information in drill core samples from a Mesoarchaean marine oxygen oasis in Pongola Supergroup, South Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 265, 330-353.	3.9	28
118	The oldest rocks on Earth: time constraints and geological controversies. <i>Geological Society Special Publication</i> , 2001, 190, 177-203.	1.3	27
119	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.	4.1	27
120	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.	2.7	26
121	Geological constraints on detecting the earliest life on Earth: a perspective from the Early Archaean (older than 3.7 Ga) of southwest Greenland. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 851-867.	4.0	25
122	On the track of the elusive Sudbury impact: geochemical evidence for a chondrite or comet bolide. <i>Terra Nova</i> , 2015, 27, 9-20.	2.1	25
123	Weathering, alteration and reconstructing Earth's oxygenation. <i>Interface Focus</i> , 2020, 10, 20190140.	3.0	25
124	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.	3.0	24
125	Initial Pb of the Amîtsoq gneiss revisited: implications for the timing of early Archaean crustal evolution in West Greenland. <i>Reply</i> . <i>Chemical Geology</i> , 2000, 166, 309-312.	3.3	23
126	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.	10.0	23

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127	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.	3.0	23
128	Chapter 2.4 The Enigma of the Terrestrial Protocrust: Evidence for Its Former Existence and the Importance of Its Complete Disappearance. <i>Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana</i> , 2007, , 75-89.	0.2	22
129	An estimate of 1.9Ga mantle depletion using the high-field-strength elements and Nd ¹⁴² -Pb isotopes of ocean floor basalts, Flin Flon Belt, Canada. <i>Precambrian Research</i> , 2011, 189, 114-139.	2.7	22
130	Geochemical and microstructural evidence for in situ formation of pseudotachylitic Sudbury breccia by shock-induced compression and cataclasis. <i>Precambrian Research</i> , 2010, 180, 237-250.	2.7	20
131	Mo isotopic composition of the mid-Neoproterozoic ocean: An iron formation perspective. <i>Precambrian Research</i> , 2013, 230, 168-178.	2.7	20
132	Deep-water seep-related carbonate mounds in a Mesoproterozoic alkaline lake, Borden Basin (Nunavut, Canada). <i>Journal of Metamorphic Geology</i> , 2010, 28, 1007-1020.	2.7	20
133	Dating synmagmatic folds: a case study of Schlingen structures in the Strona-Ceneri Zone (Southern Alps, Italy). <i>Journal of Metamorphic Geology</i> , 2011, 29, 1007-1020.	3.4	19
134	In Situ U/Pb Zircon Dates, Kapuskasing Structural Zone, Ontario: A Late Archean Large Igneous Province (LIP) as a Substrate for Juvenile Crust. <i>Journal of Geology</i> , 2009, 117, 519-541.	1.4	19
135	Laterally extensive modified placer gold deposits in the Paleoproterozoic Mississagi Formation, Clement and Pardo Townships, Ontario. <i>Canadian Journal of Earth Sciences</i> , 2011, 48, 779-792.	1.3	18
136	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.	2.2	18
137	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.	2.1	18
138	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.	1.4	18
139	A template for an improved rock-based subdivision of the pre-Cryogenian timescale. <i>Journal of the Geological Society</i> , 2022, 179, .	2.1	18
140	Earliest Seafloor Hydrothermal Systems on Earth: Comparison with Modern Analogues. , 2011, , 15-49.		18
141	The Flin Flon paleosol revisited. <i>Canadian Journal of Earth Sciences</i> , 2013, 50, 1223-1243.	1.3	17
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