

Bruce M Simonson

List of Publications by Year in descending order

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28
papers

1,131
citations

471509

17
h-index

580821

25
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28
all docs

28
docs citations

28
times ranked

768
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbonate sedimentology of the early Precambrian Hamersley Group of Western Australia. <i>Precambrian Research</i> , 1993, 60, 287-335.	2.7	153
2	SPHERULE LAYERS—RECORDS OF ANCIENT IMPACTS. <i>Annual Review of Earth and Planetary Sciences</i> , 2004, 32, 329-361.	11.0	153
3	Geological evidence for a strewn field of impact spherules in the early Precambrian Hamersley Basin of Western Australia. <i>Bulletin of the Geological Society of America</i> , 1992, 104, 829-839.	3.3	92
4	Spherule layers, crater scaling laws, and the population of ancient terrestrial impactors. <i>Icarus</i> , 2016, 271, 350-359.	2.5	74
5	Roll-up Structures: Evidence of In situ Microbial Mats in Late Archean Deep Shelf Environments. <i>Palaios</i> , 1999, 14, 13.	1.3	72
6	Iridium anomaly but no shocked quartz from Late Archean microkrystite layer: Oceanic impact ejecta?. <i>Geology</i> , 1998, 26, 195.	4.4	68
7	Petrographic Criteria for Recognizing Certain Types of Impact Spherules in Well-Preserved Precambrian Successions. <i>Astrobiology</i> , 2003, 3, 49-65.	3.0	58
8	Geochemistry of 2.63–2.49Ga impact spherule layers and implications for stratigraphic correlations and impact processes. <i>Precambrian Research</i> , 2009, 175, 51-76.	2.7	54
9	Distal Impact Ejecta Layers. <i>Impact Studies</i> , 2013, , .	0.5	53
10	New evidence for a large Palaeoproterozoic impact: spherules in a dolomite layer in the Ketilidian orogen, South Greenland. <i>Journal of the Geological Society</i> , 2001, 158, 331-340.	2.1	43
11	Have distal impact ejecta changed through geologic time?. <i>Geology</i> , 2000, 28, 975.	4.4	37
12	Geochemical evidence for an impact origin for a Late Archean spherule layer, Transvaal Supergroup, South Africa. <i>Geology</i> , 2000, 28, 1103.	4.4	36
13	Paraburdoo spherule layer (Hamersley Basin, Western Australia): Distal ejecta from a fourth large impact near the Archean-Proterozoic boundary. <i>Geology</i> , 2011, 39, 307-310.	4.4	34
14	Ni-rich spinels and platinum group element nuggets condensed from a Late Archean impact vapour cloud. <i>Earth and Planetary Science Letters</i> , 2013, 376, 87-98.	4.4	34
15	Correlating multiple Neoproterozoic Paleoproterozoic impact spherule layers between South Africa and Western Australia. <i>Precambrian Research</i> , 2009, 169, 100-111.	2.7	32
16	Sedimentology of cherts in the Early Proterozoic Wishart Formation, Quebec-Newfoundland, Canada. <i>Sedimentology</i> , 1985, 32, 23-40.	3.1	26
17	Particles in late archean carawine dolomite (Western Australia) resemble muong nong-type tektites. , 2000, , 181-213.		20
18	Shock-metamorphosed rutile grains containing the high-pressure polymorph TiO ₂ -II in four Neoproterozoic spherule layers. <i>Geology</i> , 2016, 44, 775-778.	4.4	18

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19	Raman Microspectroscopic Mapping with Multivariate Curve Resolutionâ€œAlternating Least Squares (MCR-ALS) Applied to the High-Pressure Polymorph of Titanium Dioxide, TiO ₂ -II. Applied Spectroscopy, 2017, 71, 1816-1833.	2.2	18
20	Textural constraints on the formation of impact spherules: A case study from the Dales Gorge BIF, Paleoproterozoic Hamersley Group of Western Australia. Meteoritics and Planetary Science, 2008, 43, 2073-2087.	1.6	13
21	First detection of extraterrestrial material in ca. 2.49 Ga impact spherule layer in Kuruman Iron Formation, South Africa. Geology, 2015, 43, 251-254.	4.4	11
22	Application of laser ablation-ICP-mass spectrometry for 2-dimensional mapping of element distributions in a Late Archean impact spherule layer. Journal of Analytical Atomic Spectrometry, 2013, 28, 1031.	3.0	9
23	Diagenetic alteration of impact spherules in the Neoproterozoic Monteville layer, South Africa. , 2006, , .		7
24	Archean Asteroid Impacts on Earth. , 2019, , 169-185.		6
25	Have distal impact ejecta changed through geologic time?. Geology, 2000, 28, 975-978.	4.4	4
26	Extending the paleogeographic range and our understanding of the Neoproterozoic Monteville impact spherule layer (Transvaal Supergroup, South Africa). Meteoritics and Planetary Science, 2019, 54, 2217-2240.	1.6	3
27	Roy W. Simonson A Century as a Soil Scientist. Soil Horizons, 2008, 49, 63.	0.3	2
28	Petrography and sedimentology of the ~2490â€‰Ma DS 4 impact spherule layer revisited, Brockman Iron Formation (Hamersley Group, Western Australia). Meteoritics and Planetary Science, 2019, 54, 2241-2253.	1.6	1