

# Stephen J. Barnes

## List of Publications by Citations

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215  
papers

8,130  
citations

50  
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80  
g-index

222  
ext. papers

9,269  
ext. citations

4  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
215	The Range of Spinel Compositions in Terrestrial Mafic and Ultramafic Rocks. <i>Journal of Petrology</i> , <b>2001</b> , 42, 2279-2302	3.9	809
214	A Model for the Origin of the Platinum-Rich Sulfide Horizons in the Bushveld and Stillwater Complexes. <i>Journal of Petrology</i> , <b>1983</b> , 24, 133-165	3.9	335
213	The effect of trapped liquid crystallization on cumulus mineral compositions in layered intrusions. <i>Contributions To Mineralogy and Petrology</i> , <b>1986</b> , 93, 524-531	3.5	263
212	Chromite in Komatiites, II. Modification during Greenschist to Mid-Amphibolite Facies Metamorphism. <i>Journal of Petrology</i> , <b>2000</b> , 41, 387-409	3.9	233
211	The mineral system approach applied to magmatic Ni-Cu-PGE sulphide deposits. <i>Ore Geology Reviews</i> , <b>2016</b> , 76, 296-316	3.2	139
210	Chromite in Komatiites, 1. Magmatic Controls on Crystallization and Composition. <i>Journal of Petrology</i> , <b>1998</b> , 39, 1689-1720	3.9	135
209	The distribution of chromium among orthopyroxene, spinel and silicate liquid at atmospheric pressure. <i>Geochimica Et Cosmochimica Acta</i> , <b>1986</b> , 50, 1889-1909	5.5	129
208	Progressive mixing of meteoritic veneer into the early Earth's deep mantle. <i>Nature</i> , <b>2009</b> , 460, 620-623	50.4	120
207	Maia X-ray fluorescence imaging: Capturing detail in complex natural samples. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 499, 012002	0.3	119
206	Melting of the subcontinental lithospheric mantle by the Emeishan mantle plume; evidence from the basal alkaline basalts in Dongchuan, Yunnan, Southwestern China. <i>Lithos</i> , <b>2008</b> , 100, 93-111	2.9	108
205	Pt and Pd mobility in hydrothermal fluids: Evidence from komatiites and from thermodynamic modelling. <i>Ore Geology Reviews</i> , <b>2012</b> , 44, 49-58	3.2	104
204	Transport of metals and sulphur in magmas by flotation of sulphide melt on vapour bubbles. <i>Nature Geoscience</i> , <b>2015</b> , 8, 216-219	18.3	102
203	Iridium, ruthenium and rhodium in komatiites: Evidence for iridium alloy saturation. <i>Chemical Geology</i> , <b>2008</b> , 257, 44-58	4.2	97
202	Archean komatiite volcanism controlled by the evolution of early continents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10083-8	11.5	96
201	Slab break-off and the formation of Permian mafic-ultramafic intrusions in southern margin of Central Asian Orogenic Belt, Xinjiang, NW China. <i>Lithos</i> , <b>2011</b> , 127, 128-143	2.9	96
200	The Perseverance Ultramafic Complex, Western Australia: The Product of a Komatiite Lava River. <i>Journal of Petrology</i> , <b>1988</b> , 29, 305-331	3.9	96
199	TRACE-ELEMENT GEOCHEMISTRY AND PETROGENESIS OF BARREN AND ORE-ASSOCIATED KOMATIITES. <i>Canadian Mineralogist</i> , <b>2001</b> , 39, 673-696	0.7	90

198	Ruthenium in komatiitic chromite. <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 3645-3661	5.5	89
197	Two distinct origins for Archean greenstone belts. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 487, 106-116	5.3	84
196	Ni-Cu(PGE) magmatic sulfide deposits in the Yangliuping area, Permian Emeishan igneous province, SW China. <i>Mineralium Deposita</i> , <b>2003</b> , 38, 831-843	4.8	84
195	Geochemistry of the Kalatongke Ni-Cu(PGE) sulfide deposit, NW China: implications for the formation of magmatic sulfide mineralization in a postcollisional environment. <i>Mineralium Deposita</i> , <b>2009</b> , 44, 303-327	4.8	81
194	Formation of thick stratiform Fe-Ti oxide layers in layered intrusion and frequent replenishment of fractionated mafic magma: Evidence from the Panzihua intrusion, SW China. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2013</b> , 14, 712-732	3.6	80
193	Geochemistry of the Emeishan flood basalts at Yangliuping, Sichuan, SW China: implications for sulfide segregation. <i>Contributions To Mineralogy and Petrology</i> , <b>2006</b> , 152, 53-74	3.5	80
192	Partitioning of the platinum group elements and gold between silicate and sulphide magmas in the Munni Munni Complex, Western Australia. <i>Geochimica Et Cosmochimica Acta</i> , <b>1993</b> , 57, 1277-1290	5.5	79
191	Geochemistry of the J-M (Howland) Reef of the Stillwater Complex, Minneapolis Adit area; I, Sulfide chemistry and sulfide-olivine equilibrium. <i>Economic Geology</i> , <b>1985</b> , 80, 627-645	4.3	78
190	The upper critical zone of the Bushveld Complex and the origin of merensky-type ores. <i>Economic Geology</i> , <b>1986</b> , 81, 1105-1117	4.3	77
189	Platinum-group element geochemistry of the continental flood basalts in the central Emeishan Large Igneous Province, SW China. <i>Chemical Geology</i> , <b>2009</b> , 262, 246-261	4.2	73
188	The Giant Xiarihamu Ni-Co Sulfide Deposit in the East Kunlun Orogenic Belt, Northern Tibet Plateau, China. <i>Economic Geology</i> , <b>2016</b> , 111, 29-55	4.3	71
187	Are Bushveld U-type parent magmas boninites or contaminated komatiites?. <i>Contributions To Mineralogy and Petrology</i> , <b>1989</b> , 101, 447-457	3.5	69
186	Sulfide-silicate textures in magmatic Ni-Cu-PGE sulfide ore deposits: Disseminated and net-textured ores. <i>American Mineralogist</i> , <b>2017</b> , 102, 473-506	2.9	68
185	Platinum group elements in mantle melts and mantle samples. <i>Lithos</i> , <b>2015</b> , 232, 395-417	2.9	68
184	Komatiite Magmas and Sulfide Nickel Deposits: A Comparison of Variably Endowed Archean Terranes. <i>Economic Geology</i> , <b>2012</b> , 107, 755-780	4.3	68
183	Geochemistry and tectonic setting of basalts from the Eastern Goldfields Superterrane. <i>Australian Journal of Earth Sciences</i> , <b>2012</b> , 59, 707-735	1.4	65
182	Global Variability in the Platinum-group Element Contents of Komatiites. <i>Journal of Petrology</i> , <b>2011</b> , 52, 83-112	3.9	63
181	Siderophile and chalcophile elemental constraints on the origin of the Jinchuan Ni-Cu-(PGE) sulfide deposit, NW China. <i>Geochimica Et Cosmochimica Acta</i> , <b>2009</b> , 73, 404-424	5.5	63

180	Archean andesites in the east Yilgarn craton, Australia: Products of plume-crust interaction?. <i>Lithosphere</i> , <b>2014</b> , 6, 80-92	2.7	61
179	Sulfide-Olivine Fe-Ni Exchange and the Origin of Anomalous Ni Rich Magmatic Sulfides. <i>Economic Geology</i> , <b>2013</b> , 108, 1971-1982	4.3	61
178	Resolution of geochemical and lithostratigraphic complexity: a workflow for application of portable X-ray fluorescence to mineral exploration. <i>Geochemistry: Exploration, Environment, Analysis</i> , <b>2014</b> , 14, 149-159	1.8	58
177	Geochemistry and petrogenetic implications of a Late Devonian mafic-ultramafic intrusion at the southern margin of the Central Asian Orogenic Belt. <i>Lithos</i> , <b>2012</b> , 144-145, 209-230	2.9	58
176	The concentration of platinum-group elements and gold in southern African and Karelian kimberlite-hosted mantle xenoliths: Implications for the noble metal content of the Earth's mantle. <i>Chemical Geology</i> , <b>2012</b> , 302-303, 119-135	4.2	58
175	Platinum Group Element Geochemistry of Mineralized and Nonmineralized Komatiites and Basalts. <i>Economic Geology</i> , <b>2010</b> , 105, 795-823	4.3	58
174	Syncollisional tholeiitic magmatism induced by asthenosphere upwelling owing to slab detachment at the southern margin of the Central Asian Orogenic Belt. <i>Journal of the Geological Society</i> , <b>2013</b> , 170, 941-950	2.7	57
173	Mineralogical, petrological, and geochemical studies of the Limahe mafic-ultramafic intrusion and associated Ni-Cu sulfide ores, SW China. <i>Mineralium Deposita</i> , <b>2008</b> , 43, 849-872	4.8	57
172	Geochemistry of the Huangshandong Ni-Cu deposit in northwestern China: Implications for the formation of magmatic sulfide mineralization in orogenic belts. <i>Ore Geology Reviews</i> , <b>2014</b> , 56, 181-198	3.2	56
171	Role of late magmatic fluids in Merensky-type platinum deposits: A discussion. <i>Geology</i> , <b>1988</b> , 16, 488	5	52
170	SULFUR LIBERATION FROM COUNTRY ROCKS AND INCORPORATION IN MAFIC MAGMAS. <i>Economic Geology</i> , <b>2015</b> , 110, 1111-1123	4.3	51
169	Dynamics of Magmatic Sulphide Droplets during Transport in Silicate Melts and Implications for Magmatic Sulphide Ore Formation. <i>Journal of Petrology</i> , <b>2015</b> , 56, 2445-2472	3.9	51
168	The Santa Rita Nickel Sulfide Deposit in the Fazenda Mirabela Intrusion, Bahia, Brazil: Geology, Sulfide Geochemistry, and Genesis. <i>Economic Geology</i> , <b>2011</b> , 106, 1083-1110	4.3	51
167	Platinum ore in three dimensions: Insights from high-resolution X-ray computed tomography. <i>Geology</i> , <b>2010</b> , 38, 1127-1130	5	51
166	Geochemistry of the J-M Reef of the Stillwater Complex, Minneapolis Adit Area II. Silicate Mineral Chemistry and Petrogenesis. <i>Journal of Petrology</i> , <b>1986</b> , 27, 791-825	3.9	51
165	Chrome spinels from the Jinchuan Ni-Cu sulfide deposit, Gansu Province, People's Republic of China. <i>Economic Geology</i> , <b>1999</b> , 94, 343-356	4.3	50
164	Morphology and microstructure of chromite crystals in chromitites from the Merensky Reef (Bushveld Complex, South Africa). <i>Contributions To Mineralogy and Petrology</i> , <b>2013</b> , 165, 1031-1050	3.5	49
163	Geochemistry of komatiites from Forrestania, Southern Cross Province, Western Australia: Evidence for crustal contamination. <i>Lithos</i> , <b>1996</b> , 37, 181-197	2.9	48

162	Role of degassing of the Noril'sk nickel deposits in the Permian-Triassic mass extinction event. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 2485-2490	11.5	47
161	Crustal evolution, intra-cratonic architecture and the metallogeny of an Archaean craton. <i>Geological Society Special Publication</i> , <b>2015</b> , 393, 23-80	1.7	47
160	Magmatic Sulfide Ore Deposits. <i>Elements</i> , <b>2017</b> , 13, 89-95	3.8	45
159	Palladium complexation in chloride- and bisulfide-rich fluids: Insights from ab initio molecular dynamics simulations and X-ray absorption spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , <b>2015</b> , 161, 128-145	5.5	43
158	Analytical/numerical modeling of komatiite lava emplacement and thermal erosion at Perseverance, Western Australia. <i>Journal of Volcanology and Geothermal Research</i> , <b>2001</b> , 110, 27-55	2.8	43
157	The Munni Munni Complex, Western Australia: Stratigraphy, Structure and Petrogenesis. <i>Journal of Petrology</i> , <b>1994</b> , 35, 715-751	3.9	42
156	The role of fluids in the metamorphism of komatiites, Agnew nickel deposit, western Australia. <i>Contributions To Mineralogy and Petrology</i> , <b>1987</b> , 96, 151-162	3.5	41
155	Lithogeochemical exploration for komatiite-associated Ni-sulfide deposits: strategies and limitations. <i>Mineralogy and Petrology</i> , <b>2004</b> , 82, 259-293	1.6	40
154	Poikilitic Textures, Heteradcumulates and Zoned Orthopyroxenes in the Ntaka Ultramafic Complex, Tanzania: Implications for Crystallization Mechanisms of Oikocrysts. <i>Journal of Petrology</i> , <b>2016</b> , 57, 1171-1198	3.9	39
153	Structural, lithological, and geochemical constraints on the dynamic magma plumbing system of the Jinchuan Ni-Cu sulfide deposit, NW China. <i>Mineralium Deposita</i> , <b>2012</b> , 47, 277-297	4.8	39
152	Sulfides and Sulfarsenides from the Rosie Nickel Prospect, Duketon Greenstone Belt, Western Australia. <i>Economic Geology</i> , <b>2012</b> , 107, 275-294	4.3	39
151	Role of asthenosphere and lithosphere in the genesis of the Early Permian Huangshan mafic-ultramafic intrusion in the Northern Tianshan, NW China. <i>Lithos</i> , <b>2015</b> , 227, 241-254	2.9	38
150	Evolution of a ~2.7 Ga large igneous province: A volcanological, geochemical and geochronological study of the Agnew Greenstone Belt, and new regional correlations for the Kalgoorlie Terrane (Yilgarn Craton, Western Australia). <i>Precambrian Research</i> , <b>2015</b> , 270, 334-368	3.9	38
149	Use and calibration of portable X-Ray fluorescence analysers: application to lithogeochemical exploration for komatiite-hosted nickel sulphide deposits. <i>Geochemistry: Exploration, Environment, Analysis</i> , <b>2014</b> , 14, 199-209	1.8	38
148	A Hydrothermal Ni-As-PGE Geochemical Halo Around the Miitel Komatiite-Hosted Nickel Sulfide Deposit, Yilgarn Craton, Western Australia. <i>Economic Geology</i> , <b>2015</b> , 110, 505-530	4.3	37
147	Ruthenium Variation in Chromite from Komatiites and Komatiitic Basalts--A Potential Mineralogical Indicator for Nickel Sulfide Mineralization. <i>Economic Geology</i> , <b>2013</b> , 108, 355-364	4.3	37
146	Three-dimensional morphology of magmatic sulfides sheds light on ore formation and sulfide melt migration. <i>Geology</i> , <b>2008</b> , 36, 655	5	37
145	The Agnew nickel deposit, Western Australia; Part I, Structure and stratigraphy. <i>Economic Geology</i> , <b>1988</b> , 83, 524-536	4.3	37

144	Petrogenesis of the ~2.7 Ga Monts de Cristal Complex, Gabon: Evidence for Direct Precipitation of Pt-arsenides from Basaltic Magma. <i>Journal of Petrology</i> , <b>2015</b> , 56, 1285-1308	3.9	36
143	Time scales and length scales in magma flow pathways and the origin of magmatic Ni-Cu-PGE ore deposits. <i>Geoscience Frontiers</i> , <b>2019</b> , 10, 77-87	6	36
142	Effects of Magmatic Processes, Serpentinization, and Talc-Carbonate Alteration on Sulfide Mineralogy and Ore Textures in the Black Swan Disseminated Nickel Sulfide Deposit, Yilgarn Craton. <i>Economic Geology</i> , <b>2009</b> , 104, 539-562	4.3	35
141	Origin of Platinum Deposits in Layered Intrusions by In Situ Crystallization: Evidence from Undercutting Merensky Reef of the Bushveld Complex. <i>Journal of Petrology</i> , <b>2017</b> , 58, 715-761	3.9	34
140	Komatiites and nickel sulfide ores of the Black Swan area, Yilgarn Craton, Western Australia. 2: Geology and genesis of the orebodies. <i>Mineralium Deposita</i> , <b>2004</b> , 39, 707-728	4.8	33
139	A review of volcanic-hosted massive sulfide (VHMS) mineralization in the Archaean Yilgarn Craton, Western Australia: Tectonic, stratigraphic and geochemical associations. <i>Precambrian Research</i> , <b>2015</b> , 260, 113-135	3.9	32
138	Petrogenesis and Ni-Cu sulphide potential of mafic-ultramafic rocks in the Mesoproterozoic Fraser Zone within the Albany-Braser Orogen, Western Australia. <i>Precambrian Research</i> , <b>2016</b> , 281, 27-46	3.9	32
137	Extremely Ni-rich Fe-Ni sulfide assemblages in komatiitic dunite at Betheno, Western Australia: results from synchrotron X-ray fluorescence mapping. <i>Australian Journal of Earth Sciences</i> , <b>2011</b> , 58, 691-709	1.4	32
136	Droplets and Bubbles: Solidification of Sulphide-rich Vapour-saturated Orthocumulates in the Norilsk-Talnakh Ni-Cu-PGE Ore-bearing Intrusions. <i>Journal of Petrology</i> , <b>2019</b> , 60, 269-300	3.9	32
135	Effects of hydrous alteration on the distribution of base metals and platinum group elements within the Kevitsa magmatic nickel sulphide deposit. <i>Ore Geology Reviews</i> , <b>2016</b> , 72, 128-148	3.2	31
134	Time-space evolution of an Archean craton: A Hf-isotope window into continent formation. <i>Earth-Science Reviews</i> , <b>2019</b> , 196, 102831	10.2	31
133	A laser ablation ICP-MS study of platinum-group and chalcophile elements in base metal sulfide minerals of the Jinchuan Ni-Cu sulfide deposit, NW China. <i>Ore Geology Reviews</i> , <b>2015</b> , 65, 955-967	3.2	31
132	Distribution of sulphides and PGE within the porphyritic websterite zone of the Munni Munni Complex, Western Australia. <i>Australian Journal of Earth Sciences</i> , <b>1992</b> , 39, 289-302	1.4	31
131	Cu/Pd and Cu/Pt of silicate rocks in the Bushveld Complex; implications for platinum-group element exploration. <i>Economic Geology</i> , <b>1996</b> , 91, 1151-1158	4.3	30
130	Chromite in komatiites: 3D morphologies with implications for crystallization mechanisms. <i>Contributions To Mineralogy and Petrology</i> , <b>2013</b> , 165, 173-189	3.5	29
129	The Agnew nickel deposit, Western Australia; Part II, Sulfide geochemistry, with emphasis on the platinum-group elements. <i>Economic Geology</i> , <b>1988</b> , 83, 537-550	4.3	29
128	Relationship between microstructures and grain-scale trace element distribution in komatiite-hosted magmatic sulphide ores. <i>Lithos</i> , <b>2014</b> , 184-187, 42-61	2.9	28
127	Deposition Mechanisms of Magmatic Sulphide Liquids: Evidence from High-Resolution X-Ray Computed Tomography and Trace Element Chemistry of Komatiite-hosted Disseminated Sulphides. <i>Journal of Petrology</i> , <b>2013</b> , 54, 1455-1481	3.9	28

126	Platinum Group Element, Chromium, and Vanadium Deposits in Mafic and Ultramafic Rocks <b>2005</b> ,		28
125	A revised oxygen barometry in sulfide-saturated magmas and application to the Permian magmatic Ni-Cu deposits in the southern Central Asian Orogenic Belt. <i>Mineralium Deposita</i> , <b>2018</b> , 53, 731-755	4.8	28
124	The Effect of Chromite Crystallization on the Distribution of Osmium, Iridium, Ruthenium and Rhodium in Picritic Magmas: an Example from the Emeishan Large Igneous Province, Southwestern China. <i>Journal of Petrology</i> , <b>2016</b> , 57, 1019-1048	3.9	27
123	Primary cumulus platinum minerals in the Monts de Cristal Complex, Gabon: magmatic microenvironments inferred from high-definition X-ray fluorescence microscopy. <i>Contributions To Mineralogy and Petrology</i> , <b>2016</b> , 171, 1	3.5	26
122	New constraints on the origin of the Skaergaard intrusion Cu-Pd-Au mineralization: Insights from high-resolution X-ray computed tomography. <i>Lithos</i> , <b>2014</b> , 190-191, 27-36	2.9	26
121	Thermomechanical erosion of ore-hosting embayments beneath komatiite lava channels: Textural evidence from Kambalda, Western Australia. <i>Ore Geology Reviews</i> , <b>2017</b> , 90, 446-464	3.2	25
120	A relic of the Mozambique Ocean in south-east Tanzania. <i>Precambrian Research</i> , <b>2018</b> , 305, 386-426	3.9	25
119	Sulfide-silicate textures in magmatic Ni-Cu-PGE sulfide ore deposits: Massive, semi-massive and sulfide-matrix breccia ores. <i>Ore Geology Reviews</i> , <b>2018</b> , 101, 629-651	3.2	25
118	Spatial Variation in Platinum Group Element Concentrations in Ore-Bearing Komatiite at the Long-Victor Deposit, Kambalda Dome, Western Australia: Enlarging the Footprint of Nickel Sulfide Orebodies. <i>Economic Geology</i> , <b>2013</b> , 108, 913-933	4.3	25
117	The structure of and origin of nodular chromite from the Troodos ophiolite, Cyprus, revealed using high-resolution X-ray computed tomography and electron backscatter diffraction. <i>Lithos</i> , <b>2015</b> , 218-219, 87-98	2.9	25
116	Role of Crustal Contamination in Formation of the Jinchuan Intrusion and Its World-Class Ni-Cu-(PGE) Sulfide Deposit, Northwest China. <i>International Geology Review</i> , <b>2006</b> , 48, 1113-1132	2.3	25
115	Spinels and Mg Ilmenites from the Noril'sk 1 and Talnakh Intrusions and Other Mafic Rocks of the Siberian Flood Basalt Province. <i>Economic Geology</i> , <b>2000</b> , 95, 1701-1717	4.3	25
114	Textural development in sulfide-matrix ore breccias in the Voisey's Bay Ni-Cu-Co deposit, Labrador, Canada. <i>Ore Geology Reviews</i> , <b>2017</b> , 90, 414-438	3.2	24
113	Evidence of lateral thermomechanical erosion of basalt by Fe-Ni-Cu sulfide melt at Kambalda, Western Australia. <i>Geology</i> , <b>2016</b> , 44, 1047-1050	5	24
112	A fundamental dispute: A discussion of <del>On</del> some fundamentals of igneous petrology by Bruce D. Marsh, <i>Contributions to Mineralogy and Petrology</i> (2013) 166: 665-690. <i>Contributions To Mineralogy and Petrology</i> , <b>2015</b> , 169, 1	3.5	24
111	BLADE-SHAPED DIKES AND NICKEL SULFIDE DEPOSITS: A MODEL FOR THE EMPLACEMENT OF ORE-BEARING SMALL INTRUSIONS. <i>Economic Geology</i> , <b>2018</b> , 113, 789-798	4.3	24
110	COTECTIC PRECIPITATION OF OLIVINE AND SULFIDE LIQUID FROM KOMATIITE MAGMA AND THE ORIGIN OF KOMATIITE-HOSTED DISSEMINATED NICKEL SULFIDE MINERALIZATION AT MOUNT KEITH AND YAKABINDIE, WESTERN AUSTRALIA. <i>Economic Geology</i> , <b>2007</b> , 102, 299-304	4.3	23
109	Investigations of the Howland Reef of the Stillwater Complex, Minneapolis Adit area; stratigraphy, structure, and mineralization. <i>Economic Geology</i> , <b>1982</b> , 77, 1481-1492	4.3	23

108	Petrogenesis of a Proterozoic nickel-sulfide-komatiite association; the Katiniq Sill, Ungava, Quebec. <i>Economic Geology</i> , <b>1982</b> , 77, 413-429	4.3	22
107	Geochemistry of komatiites in the Eastern Goldfields Superterrane, Western Australia and the Abitibi Greenstone Belt, Canada, and implications for the distribution of associated Ni-Cu-PGE deposits. <i>Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science</i> , <b>2007</b> , 116, 167-187		21
106	Using automated digital image analysis to provide quantitative petrographic data on olivine-phyric basalts. <i>Computers and Geosciences</i> , <b>2004</b> , 30, 183-195	4.5	21
105	Komatiites and nickel sulphide orebodies of the Black Swan area, Yilgarn Craton, Western Australia. 1. Petrology and volcanology of host rocks. <i>Mineralium Deposita</i> , <b>2004</b> , 39, 684-706	4.8	21
104	Poikilitic chromfite in komatiitic cumulates. <i>Mineralogy and Petrology</i> , <b>1995</b> , 54, 85-92	1.6	21
103	Atypical stratiform sulfide-poor platinum-group element mineralisation in the Agnew-Wiluna Belt komatiites, Wiluna, Western Australia. <i>Australian Journal of Earth Sciences</i> , <b>2007</b> , 54, 801-824	1.4	20
102	Komatiites and nickel sulfide ores of the Black Swan area, Yilgarn Craton, Western Australia. 3: Komatiite geochemistry, and implications for ore forming processes. <i>Mineralium Deposita</i> , <b>2004</b> , 39, 729-751	4.8	20
101	Komatiites and nickel sulfide ores of the Black Swan area, Yilgarn Craton, Western Australia. 4. Platinum group element distribution in the ores, and genetic implications. <i>Mineralium Deposita</i> , <b>2004</b> , 39, 752-765	4.8	20
100	Platinum group element and nickel sulphide ore tenors of the Mount Keith nickel deposit, Yilgarn Craton, Australia. <i>Mineralium Deposita</i> , <b>2012</b> , 47, 129-150	4.8	19
99	The Archean Fortescue large igneous province: A result of komatiite contamination by a distinct Eo-Paleoarchean crust. <i>Precambrian Research</i> , <b>2018</b> , 310, 365-390	3.9	18
98	Geochemical investigation of the lower Cambrian mineralised black shales of South China and the late Devonian Nick deposit, Canada. <i>Ore Geology Reviews</i> , <b>2018</b> , 94, 396-413	3.2	18
97	The Maia detector array and x-ray fluorescence imaging system: locating rare precious metal phases in complex samples <b>2013</b> ,		18
96	The distribution Cr, Ni, and chromite in komatiites, and application to exploration for komatiite-hosted nickel sulfide deposits. <i>Economic Geology</i> , <b>1999</b> , 94, 129-132	4.3	18
95	Genesis of the Huangshannan high-Ni tenor magmatic sulfide deposit in the Eastern Tianshan, northwest China: Constraints from PGE geochemistry and Os-Ir isotopes. <i>Ore Geology Reviews</i> , <b>2017</b> , 90, 591-606	3.2	17
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