

# Stephen J. Barnes

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

215  
papers

8,130  
citations

50  
h-index

80  
g-index

222  
ext. papers

9,269  
ext. citations

4  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
215	Thermodynamic conditions control the valences state of semimetals thus affecting the behavior of PGE in magmatic sulfide liquids. <i>Geochimica Et Cosmochimica Acta</i> , <b>2022</b> , 321, 1-15	5.5	0
214	Chromitite layers indicate the existence of large, long-lived, and entirely molten magma chambers.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4092	4.9	1
213	The critical role of magma degassing in sulphide melt mobility and metal enrichment.. <i>Nature Communications</i> , <b>2022</b> , 13, 2359	17.4	0
212	EVOLUTION OF INVISIBLE Au IN ARSENIAN PYRITE IN CARLIN-TYPE Au DEPOSITS. <i>Economic Geology</i> , <b>2021</b> , 116, 515-526	4.3	5
211	Spatial Association Between Platinum Minerals and Magmatic Sulfides Imaged with the Maia Mapper and Implications for the Origin of the Chromite-Sulfide-PGE Association. <i>Canadian Mineralogist</i> , <b>2021</b> ,	0.7	3
210	Prolonged basaltic magmatism and short-lived magmatic sulfide mineralization in orogenic belts. <i>Lithos</i> , <b>2021</b> , 390-391, 106114	2.9	3
209	Reaction Coronas at OlivinePlagioclase Contacts in Host Rocks from the NovaBollinger NiCuCo Deposit, AlbanyBraser Orogen, Western Australia: Evidence of a Magmatic to Metamorphic Continuum. <i>Journal of Petrology</i> , <b>2021</b> , 62,	3.9	2
208	Interspinifex Ni sulfide ore from Victor South-McLeay, Kambalda, Western Australia. <i>Mineralium Deposita</i> , <b>2021</b> , 56, 125-142	4.8	3
207	Element mapping the Merensky Reef of the Bushveld Complex. <i>Geoscience Frontiers</i> , <b>2021</b> , 12, 101101	6	6
206	The Neoproterozoic Conglomerate-Hosted Gold of the West Pilbara Craton, Western Australia. <i>Economic Geology</i> , <b>2021</b> , 116, 629-650	4.3	1
205	Idiomorphic oikocrysts of clinopyroxene produced by a peritectic reaction within a solidification front of the Bushveld Complex. <i>Contributions To Mineralogy and Petrology</i> , <b>2021</b> , 176, 1	3.5	3
204	Trace Element Contents of Mantle-Derived Magmas Through Time. <i>Journal of Petrology</i> , <b>2021</b> , 62,	3.9	6
203	Origins and implications of magnesium isotopic heterogeneity in FeTi oxides in layered mafic intrusions. <i>Geochimica Et Cosmochimica Acta</i> , <b>2021</b> , 308, 273-290	5.5	
202	MgBrNd Isotopic Insights into Petrogenesis of the Xiarihamu MaficUltramafic Intrusion, Northern Tibetan Plateau, China. <i>Journal of Petrology</i> , <b>2021</b> , 62,	3.9	1
201	Investigation of the Internal Structure of a Modern Seafloor Hydrothermal Chimney With a Combination of EBSD, EPMA, and XRD. <i>Microscopy and Microanalysis</i> , <b>2020</b> , 26, 793-807	0.5	1
200	Hydromagmatic Processes and Platinum-Group Elements in Layered Intrusions. Alan Boudreau. <i>Economic Geology</i> , <b>2020</b> , 115, 471-472	4.3	1
199	Petrogenetic insights from chromite in ultramafic cumulates of the Xiarihamu intrusion, northern Tibet Plateau, China. <i>American Mineralogist</i> , <b>2020</b> , 105, 479-497	2.9	5

198	Low-Sulfide Platinum Group Element Ores of the Norilsk-Talnakh Camp. <i>Economic Geology</i> , <b>2020</b> , 115, 1267-1303	4.3	13
197	Silicate and Oxide Mineral Chemistry and Textures of the Norilsk-Talnakh Ni-Cu-Platinum Group Element Ore-Bearing Intrusions. <i>Economic Geology</i> , <b>2020</b> , 115, 1227-1243	4.3	6
196	Oxide-Sulfide-Melt-Bubble Interactions in Spinel-Rich Taxitic Rocks of the Norilsk-Talnakh Intrusions, Polar Siberia. <i>Economic Geology</i> , <b>2020</b> , 115, 1305-1320	4.3	8
195	Monomineralic anorthosites in layered intrusions are indicators of the magma chamber replenishment by plagioclase-only-saturated melts. <i>Scientific Reports</i> , <b>2020</b> , 10, 3839	4.9	15
194	pyrolite: Python for geochemistry. <i>Journal of Open Source Software</i> , <b>2020</b> , 5, 2314	5.2	10
193	The association between Ni-Cu-PGE sulfide and Ni-Co lateritic ores and volcanic facies within the komatiites of the 2.7Ga East Yilgarn Craton Large Igneous Province, Western Australia. <i>Ore Geology Reviews</i> , <b>2020</b> , 116, 103231	3.2	6
192	Imaging trace-element zoning in pyroxenes using synchrotron XRF mapping with the Maia detector array: Benefit of low-incident energy. <i>American Mineralogist</i> , <b>2020</b> , 105, 136-140	2.9	5
191	Multidisciplinary study of a complex magmatic system: The Savannah Ni-Cu-Co Camp, Western Australia. <i>Ore Geology Reviews</i> , <b>2020</b> , 117, 103292	3.2	11
190	Life on the edge: Microbial biomineralization in an arsenic- and lead-rich deep-sea hydrothermal vent. <i>Chemical Geology</i> , <b>2020</b> , 533, 119438	4.2	6
189	The Occurrence and Origin of Pentlandite-Chalcopyrite-Pyrrhotite Loop Textures in Magmatic Ni-Cu Sulfide Ores. <i>Economic Geology</i> , <b>2020</b> , 115, 1777-1798	4.3	12
188	Sulfide Emplacement and Migration in the Nova-Bollinger Ni-Cu-Co Deposit, Albany-Fraser Orogen, Western Australia. <i>Economic Geology</i> , <b>2020</b> , 115, 1749-1776	4.3	9
187	Zoned Pyroxenes as Prospectivity Indicators for Magmatic Ni-Cu Sulfide Mineralization. <i>Frontiers in Earth Science</i> , <b>2020</b> , 8,	3.5	6
186	Introduction to a Special Issue on the Norilsk-Talnakh Ni-Cu-Platinum Group Element Deposits. <i>Economic Geology</i> , <b>2020</b> , 115, 1157-1172	4.3	9
185	Magma generation and sulfide saturation of Permian mafic-ultramafic intrusions from the western part of the Northern Tianshan in NW China: implications for Ni-Cu mineralization. <i>Mineralium Deposita</i> , <b>2020</b> , 55, 515-534	4.8	7
184	Microchemical and sulfur isotope constraints on the magmatic and hydrothermal evolution of the Black Swan Succession, Western Australia. <i>Mineralium Deposita</i> , <b>2020</b> , 55, 535-553	4.8	2
183	Plundering Carlow Castle: First Look at a Unique Mesoarchean-Hosted Cu-Co-Au Deposit. <i>Economic Geology</i> , <b>2019</b> , 114, 1021-1031	4.3	3
182	Micron-scale distribution of metals in Cambrian metalliferous shales, South China: Insights into local biologically driven redox disequilibrium. <i>Chemical Geology</i> , <b>2019</b> , 528, 119283	4.2	3
181	Nickel-Copper Sulfide Mineralization in the Ntaka Hill Ultramafic Complex, Nachingwea Region, Tanzania. <i>Economic Geology</i> , <b>2019</b> , 114, 1135-1158	4.3	4

180	Merensky-type platinum deposits and a reappraisal of magma chamber paradigms. <i>Scientific Reports</i> , <b>2019</b> , 9, 8807	4.9	13
179	Hf isotopic fingerprinting of geodynamic settings: Integrating isotopes and numerical models. <i>Gondwana Research</i> , <b>2019</b> , 73, 190-199	5.1	8
178	Growth History of Sphalerite in a Modern Sea Floor Hydrothermal Chimney Revealed by Electron Backscattered Diffraction. <i>Economic Geology</i> , <b>2019</b> , 114, 165-176	4.3	7
177	Rapid orthopyroxene growth induced by silica assimilation: constraints from sector-zoned orthopyroxene, olivine oxygen isotopes and trace element variations in the Huangshanxi Ni-Cu deposit, Northwest China. <i>Contributions To Mineralogy and Petrology</i> , <b>2019</b> , 174, 1	3.5	15
176	Implications of nano- and micrometer-size platinum-group element minerals in base metal sulfides of the Yangliuping Ni-Cu-PGE sulfide deposit, SW China. <i>Chemical Geology</i> , <b>2019</b> , 517, 7-21	4.2	9
175	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
174	Zoned orthopyroxenes in the Ni-Co sulfide ore-bearing Xiarihamu mafic-ultramafic intrusion in northern Tibetan Plateau, China: Implications for multiple magma replenishments. <i>Ore Geology Reviews</i> , <b>2019</b> , 113, 103082	3.2	11
173	Nova-Bollinger Ni-Cu sulfide ore deposits, Fraser Zone, Western Australia: Petrology of the host intrusions sulfide-silicate textures and emplacement mechanisms of the ores. <i>ASEG Extended Abstracts</i> , <b>2019</b> , 2019, 1-6	0.2	1
172	Multivariate Geochemical Tectonic Discrimination: Practical Approaches, Limitations and Opportunities. <i>ASEG Extended Abstracts</i> , <b>2019</b> , 2019, 1-3	0.2	0
171	New insights on chimney growth model and native gold enrichment in modern seafloor hydrothermal chimneys. <i>ASEG Extended Abstracts</i> , <b>2019</b> , 2019, 1-4	0.2	0
170	Indicator minerals for magmatic sulfide mineralisation. <i>ASEG Extended Abstracts</i> , <b>2019</b> , 2019, 1-4	0.2	
169	Evidence for dyke-parallel shear during syn-intrusion fracturing. <i>Earth and Planetary Science Letters</i> , <b>2019</b> , 507, 119-130	5.3	13
168	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
167	Distribution and Geochemistry of Komatiites and Basalts Through the Archean <b>2019</b> , 103-132		10
166	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
165	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
164	Platinum-group element and gold contents of arsenide and sulfarsenide minerals associated with Ni and Au deposits in Archean greenstone belts. <i>Mineralogical Magazine</i> , <b>2018</b> , 82, 625-647	1.7	11
163	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

162	Two distinct origins for Archean greenstone belts. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 487, 106-116	6.3	84
161	Constraints of texture and composition of clinopyroxene phenocrysts of Holocene volcanic rocks on a magmatic plumbing system beneath Tengchong, SW China. <i>Journal of Asian Earth Sciences</i> , <b>2018</b> , 154, 342-353	2.8	11
160	A mechanism for chromite growth in ophiolite complexes: evidence from 3D high-resolution X-ray computed tomography images of chromite grains in Harold's Grave chromitite in the Shetland ophiolite.. <i>Mineralogical Magazine</i> , <b>2018</b> , 82, 457-470	1.7	7
159	Textural development in sulfide-matrix ore breccias in the Aguablanca Ni-Cu deposit, Spain, revealed by X-ray fluorescence microscopy. <i>Ore Geology Reviews</i> , <b>2018</b> , 95, 849-862	3.2	13
158	Plume-lithosphere interaction at craton margins throughout Earth history. <i>Tectonophysics</i> , <b>2018</b> , 746, 678-694	3.1	11
157	A relic of the Mozambique Ocean in south-east Tanzania. <i>Precambrian Research</i> , <b>2018</b> , 305, 386-426	3.9	25
156	Review of Predictive and Detective Exploration Tools for Magmatic Ni-Cu-(PGE) Deposits, With a Focus on Komatiite-Related Systems in Western Australia <b>2018</b> , 47-78		1
155	Ruthenium in chromite as indicator for magmatic sulfide liquid equilibration in mafic-ultramafic systems. <i>Ore Geology Reviews</i> , <b>2018</b> , 97, 152-170	3.2	12
154	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
153	Morphology and Particle Size Distribution of Olivines and Sulphides in the Jinchuan NiCu Sulphide Deposit: Evidence for Sulphide Percolation in a Crystal Mush. <i>Journal of Petrology</i> , <b>2018</b> ,	3.9	5
152	Timing, geochemistry and tectonic setting of Ni-Cu sulfide-associated intrusions of the Halls Creek Orogen, Western Australia. <i>Lithos</i> , <b>2018</b> , 314-315, 425-446	2.9	10
151	A revised oxygen barometry in sulfide-saturated magmas and application to the Permian magmatic NiCu deposits in the southern Central Asian Orogenic Belt. <i>Mineralium Deposita</i> , <b>2018</b> , 53, 731-755	4.8	28
150	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
149	2.7 Ga plume associated VHMS mineralization in the Eastern Goldfields Superterrane, Yilgarn Craton: Insights from the low temperature and shallow water, Ag-Zn-(Au) Nimbus deposit. <i>Precambrian Research</i> , <b>2017</b> , 291, 119-142	3.9	10
148	Lithological and geochemical constraints on the magma conduit systems of the Huangshan Ni-Cu sulfide deposit, NW China. <i>Mineralium Deposita</i> , <b>2017</b> , 52, 845-862	4.8	16
147	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
146	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
145	Magmatic Sulfide Ore Deposits. <i>Elements</i> , <b>2017</b> , 13, 89-95	3.8	45

144	Rapid mineralogical and geochemical characterisation of the Fisher East nickel sulphide prospects, Western Australia, using hyperspectral and pXRF data. <i>Ore Geology Reviews</i> , <b>2017</b> , 90, 371-387	3.2	16
143	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
142	Simplifying drill-hole domains for 3D geochemical modelling: An example from the Kevitsa Ni-Cu-(PGE) deposit. <i>Ore Geology Reviews</i> , <b>2017</b> , 90, 388-398	3.2	9
141	Genesis of the Huangshannan high-Ni tenor magmatic sulfide deposit in the Eastern Tianshan, northwest China: Constraints from PGE geochemistry and Os $\delta$ isotopes. <i>Ore Geology Reviews</i> , <b>2017</b> , 90, 591-606	3.2	17
140	Primary stratigraphic controls on ore mineral assemblages in the Wannaway komatiite-hosted nickel-sulfide deposit, Kambalda camp, Western Australia. <i>Ore Geology Reviews</i> , <b>2017</b> , 90, 634-666	3.2	4
139	Paragenesis of multiple platinum-group mineral populations in Shetland ophiolite chromitite: 3D X-ray tomography and in situ Os isotopes. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 216, 314-334	5.5	16
138	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
137	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
136	Hydrothermal remobilisation around a deformed and remobilised komatiite-hosted Ni-Cu-(PGE) deposit, Sarah Find, Agnew Wiluna greenstone belt, Yilgarn Craton, Western Australia. <i>Mineralium Deposita</i> , <b>2016</b> , 51, 369-388	4.8	16
135	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
134	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
133	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
132	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
131	An Elevated Perspective: Dyke-Related Fracture Networks Analysed with Uav Photogrammetry. <i>Acta Geologica Sinica</i> , <b>2016</b> , 90, 54-55	0.7	6
130	Interspinifex Ni Sulfide Ore from the Coronet Shoot, Kambalda: Characterization Using Microbeam X-Ray Fluorescence Mapping and 3-D X-Ray Computed Tomography. <i>Economic Geology</i> , <b>2016</b> , 111, 1509-1517	4.3	13
129	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
128	Petrogenesis and Ni-Cu sulphide potential of mafic-ultramafic rocks in the Mesoproterozoic Fraser Zone within the Albany- <del>Fraser</del> Orogen, Western Australia. <i>Precambrian Research</i> , <b>2016</b> , 281, 27-46	3.9	32
127	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

126	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
125	Review of lithogeochemical exploration tools for komatiite-hosted Ni-Cu-(PGE) deposits. <i>Journal of Geochemical Exploration</i> , <b>2016</b> , 168, 1-19	3.8	12
124	3D textural evidence for the formation of ultra-high tenor precious metal bearing sulphide microdroplets in offset reefs: An extreme example from the Platinova Reef, Skaergaard Intrusion, Greenland. <i>Lithos</i> , <b>2016</b> , 256-257, 55-74	2.9	15
123	A molecular and isotopic study of palaeoenvironmental conditions through the middle Cambrian in the Georgina Basin, central Australia. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 447, 21-32	5.3	11
122	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
121	Platinum group elements in mantle melts and mantle samples. <i>Lithos</i> , <b>2015</b> , 232, 395-417	2.9	68
120	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
119	Integrated OBrNd isotope constraints on the evolution of four important FeTi oxide ore-bearing mafic-ultramafic intrusions in the Emeishan large igneous province, SW China. <i>Chemical Geology</i> , <b>2015</b> , 401, 28-42	4.2	16
118	SULFUR LIBERATION FROM COUNTRY ROCKS AND INCORPORATION IN MAFIC MAGMAS. <i>Economic Geology</i> , <b>2015</b> , 110, 1111-1123	4.3	51
117	Variations of trace element concentration of magnetite and ilmenite from the Taihe layered intrusion, Emeishan large igneous province, SW China: Implications for magmatic fractionation and origin of FeTi oxide ore deposits. <i>Journal of Asian Earth Sciences</i> , <b>2015</b> , 113, 1117-1131	2.8	17
116	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
115	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
114	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
113	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
112	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
111	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
110	From Igneous Petrology to Ore Genesis—An Introduction to this Thematic Issue of Journal of Petrology. <i>Journal of Petrology</i> , <b>2015</b> , 56, 2295-2296	3.9	
109	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

108	A fundamental dispute: A discussion of 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
107	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
106	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
105	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
104	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
103	Use and calibration of portable X-Ray fluorescence analysers: application to litho-geochemical exploration for komatiite-hosted nickel sulphide deposits. <i>Geochemistry: Exploration, Environment, Analysis</i> , <b>2014</b> , 14, 199-209	1.8	38
102	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
101	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
100	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
99	Fred Flow (Canada) and Murphy Well (Australia): thick komatiitic lava flows with contrasting compositions, emplacement mechanisms and water contents. <i>Contributions To Mineralogy and Petrology</i> , <b>2014</b> , 168, 1	3.5	7
98	Mapping bedrock lithologies through in situ regolith using retained element ratios: a case study from the Agnew-Lawlers area, Western Australia. <i>Australian Journal of Earth Sciences</i> , <b>2014</b> , 61, 269-285	1.4	14
97	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
96	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
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