

Shuhai Xiao

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251
papers

12,606
citations

64
h-index

103
g-index

279
ext. papers

14,350
ext. citations

5.9
avg, IF

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L-index

#	Paper	IF	Citations
251	Three-dimensional preservation of algae and animal embryos in a Neoproterozoic phosphorite. <i>Nature</i> , 1998 , 391, 553-558	50.4	593
250	Pulsed oxidation and biological evolution in the Ediacaran Doushantuo Formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3197-202	11.5	435
249	Stratigraphy and paleogeography of the Ediacaran Doushantuo Formation (ca. 635-615 Ma) in South China. <i>Gondwana Research</i> , 2011 , 19, 831-849	5.1	366
248	On the eve of animal radiation: phylogeny, ecology and evolution of the Ediacara biota. <i>Trends in Ecology and Evolution</i> , 2009 , 24, 31-40	10.9	320
247	New constraints on the ages of Neoproterozoic glaciations in south China. <i>Geology</i> , 2004 , 32, 437	5	287
246	Lichen-like symbiosis 600 million years ago. <i>Science</i> , 2005 , 308, 1017-20	33.3	219
245	An early Ediacaran assemblage of macroscopic and morphologically differentiated eukaryotes. <i>Nature</i> , 2011 , 470, 390-3	50.4	218
244	SHRIMP zircon U-Pb age constraints on Neoproterozoic Quruqtagh diamictites in NW China. <i>Precambrian Research</i> , 2009 , 168, 247-258	3.9	215
243	Eumetazoan fossils in terminal proterozoic phosphorites?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 13684-9	11.5	198
242	New Lu-Hf and Pb-Pb age constraints on the earliest animal fossils. <i>Earth and Planetary Science Letters</i> , 2002 , 201, 203-212	5.3	189
241	Uranium and molybdenum isotope evidence for an episode of widespread ocean oxygenation during the late Ediacaran Period. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 156, 173-193	5.5	179
240	Phosphatized animal embryos from the Neoproterozoic Doushantuo Formation at Weng'an, Guizhou, South China. <i>Journal of Paleontology</i> , 2000 , 74, 767-788	1.1	179
239	The Neoproterozoic Quruqtagh Group in eastern Chinese Tianshan: evidence for a post-Marinoan glaciation. <i>Precambrian Research</i> , 2004 , 130, 1-26	3.9	178
238	Ediacaran $\delta^{13}C$ chemostratigraphy of South China. <i>Chemical Geology</i> , 2007 , 237, 89-108	4.2	173
237	Fossil preservation in the Neoproterozoic Doushantuo phosphorite Lagerstätte, South China. <i>Lethaia</i> , 1999 , 32, 219-40	1.3	169
236	Macroscopic carbonaceous compressions in a terminal Proterozoic shale: A systematic reassessment of the Miaohu biota, south China. <i>Journal of Paleontology</i> , 2002 , 76, 347-376	1.1	163
235	Cellular and subcellular structure of neoproterozoic animal embryos. <i>Science</i> , 2006 , 314, 291-4	33.3	154

234	Neoproterozoic fossils in Mesoproterozoic rocks? Chemostratigraphic resolution of a biostratigraphic conundrum from the North China Platform. <i>Precambrian Research</i> , 1997 , 84, 197-220	3.9	151
233	Correlation of Precambrian-Cambrian sedimentary successions across northern India and the utility of isotopic signatures of Himalayan lithotectonic zones. <i>Earth and Planetary Science Letters</i> , 2011 , 312, 471-483	5.3	150
232	The origin of decoupled carbonate and organic carbon isotope signatures in the early Cambrian (ca. 542-520Ma) Yangtze platform. <i>Earth and Planetary Science Letters</i> , 2012 , 317-318, 96-110	5.3	142
231	The diversification and extinction of Doushantuo-Pertatataka acritarchs in South China: causes and biostratigraphic significance. <i>Geological Journal</i> , 2007 , 42, 229-262	1.7	140
230	High CO ₂ levels in the Proterozoic atmosphere estimated from analyses of individual microfossils. <i>Nature</i> , 2003 , 425, 279-82	50.4	132
229	Macroscopic carbonaceous compressions in a terminal Proterozoic shale: A systematic reassessment of the Miaohu biota, south China. <i>Journal of Paleontology</i> , 2002 , 76, 347-376	1.1	132
228	Phosphatized multicellular algae in the Neoproterozoic Doushantuo Formation, China, and the early evolution of florideophyte red algae. <i>American Journal of Botany</i> , 2004 , 91, 214-27	2.7	131
227	Skeletogenesis and asexual reproduction in the earliest biomineralizing animal Cloudina. <i>Geology</i> , 2005 , 33, 277	5	130
226	Towards an Ediacaran Time Scale: Problems, Protocols, and Prospects. <i>Episodes</i> , 2016 , 39, 540-555	1.6	124
225	The Avalon explosion: evolution of Ediacara morphospace. <i>Science</i> , 2008 , 319, 81-4	33.3	120
224	Trace fossil evidence for Ediacaran bilaterian animals with complex behaviors. <i>Precambrian Research</i> , 2013 , 224, 690-701	3.9	112
223	From the Cover: Osmotrophy in modular Ediacara organisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 14438-43	11.5	110
222	Phosphatized animal embryos from the Neoproterozoic Doushantuo Formation at Weng'an, Guizhou, South China. <i>Journal of Paleontology</i> , 2000 , 74, 767-788	1.1	108
221	Eight-armed Ediacara fossil preserved in contrasting taphonomic windows from China and Australia. <i>Geology</i> , 2008 , 36, 867	5	102
220	Articulated sponges from the Lower Cambrian Hetang Formation in southern Anhui, South China: their age and implications for the early evolution of sponges. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005 , 220, 89-117	2.9	98
219	A unifying model for Neoproterozoic-Palaeozoic exceptional fossil preservation through pyritization and carbonaceous compression. <i>Nature Communications</i> , 2014 , 5, 5754	17.4	97
218	1.3 Billion years of acritarch history: An empirical morphospace approach. <i>Precambrian Research</i> , 2006 , 144, 52-68	3.9	96
217	A uniquely preserved Ediacaran fossil with direct evidence for a quilted bodyplan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 10227-32	11.5	90

216	The Weng'an biota and the Ediacaran radiation of multicellular eukaryotes. <i>National Science Review</i> , 2014 , 1, 498-520	10.8	89
215	Phosphatized acanthomorphic acritarchs and related microfossils from the Ediacaran Doushantuo Formation at Weng'an (South China) and their implications for biostratigraphic correlation. <i>Journal of Paleontology</i> , 2014 , 88, 1-67	1.1	88
214	Preservational modes in the Ediacaran Gaojiashan Lagerstätte: Pyritization, aluminosilicification, and carbonaceous compression. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012 , 326-328, 109-117	2.9	85
213	Integrated chemostratigraphy of the Doushantuo Formation at the northern Xiaofenghe section (Yangtze Gorges, South China) and its implication for Ediacaran stratigraphic correlation and ocean redox models. <i>Precambrian Research</i> , 2012 , 192-195, 125-141	3.9	85
212	Petrographic and SIMS pyrite sulfur isotope analyses of Ediacaran chert nodules: Implications for microbial processes in pyrite rim formation, silicification, and exceptional fossil preservation. <i>Earth and Planetary Science Letters</i> , 2010 , 297, 481-495	5.3	85
211	Was the Ediacaran Shuram Excursion a globally synchronized early diagenetic event? Insights from methane-derived authigenic carbonates in the uppermost Doushantuo Formation, South China. <i>Chemical Geology</i> , 2017 , 450, 59-80	4.2	82
210	Extensive marine anoxia during the terminal Ediacaran Period. <i>Science Advances</i> , 2018 , 4, eaan8983	14.3	82
209	BASAL CAMBRIAN MICROFOSSILS FROM THE YURTUS AND XISHANBLAQ FORMATIONS (TARIM, NORTH-WEST CHINA): SYSTEMATIC REVISION AND BIOSTRATIGRAPHIC CORRELATION OF MICRHYSTRIDIUM-LIKE ACRITARCHS. <i>Palaeontology</i> , 2005 , 48, 687-708	2.9	81
208	Redox architecture of an Ediacaran ocean margin: Integrated chemostratigraphic ($^{13}\text{C}/^{12}\text{C}$, $^{87}\text{Sr}/^{86}\text{Sr}$, $\delta^{15}\text{N}$, $\delta^{34}\text{S}$, $\delta^{33}\text{S}$, $\delta^{30}\text{S}$, $\delta^{32}\text{S}$, $\delta^{34}\text{S}$, $\delta^{33}\text{S}$, $\delta^{32}\text{S}$, $\delta^{34}\text{S}$, $\delta^{33}\text{S}$, $\delta^{32}\text{S}$) correlation of the Doushantuo Formation, South China. <i>Chemical Geology</i> , 2015 , 405, 48-62	4.2	80
207	Quantitative evaluation of the biostratigraphic distribution of acanthomorphic acritarchs in the Ediacaran Doushantuo Formation in the Yangtze Gorges area, South China. <i>Precambrian Research</i> , 2009 , 173, 170-190	3.9	79
206	Carbon isotope evidence for widespread methane seeps in the ca. 635 Ma Doushantuo cap carbonate in south China. <i>Geology</i> , 2008 , 36, 347	5	79
205	Interactions between Ediacaran animals and microbial mats: Insights from <i>Lamonte trevallisi</i> , a new trace fossil from the Dengying Formation of South China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014 , 396, 62-74	2.9	78
204	NEW MULTICELLULAR ALGAL FOSSILS AND ACRITARCHS IN DOUSHANTUO CHERT NODULES (NEOPROTEROZOIC; YANGTZE GORGES, SOUTH CHINA). <i>Journal of Paleontology</i> , 2004 , 78, 393-401	1.1	78
203	New Ediacara fossils preserved in marine limestone and their ecological implications. <i>Scientific Reports</i> , 2014 , 4, 4180	4.9	77
202	Fossil preservation through phosphatization and silicification in the Ediacaran Doushantuo Formation (South China): a comparative synthesis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015 , 434, 46-62	2.9	77
201	Stratification and mixing of a post-glacial Neoproterozoic ocean: Evidence from carbon and sulfur isotopes in a cap dolostone from northwest China. <i>Earth and Planetary Science Letters</i> , 2008 , 265, 209-228	5.3	77
200	Calibrating the terminations of Cryogenian global glaciations. <i>Geology</i> , 2019 , 47, 251-254	5	73
199	Affirming life aquatic for the Ediacara biota in China and Australia. <i>Geology</i> , 2013 , 41, 1095-1098	5	73

198	The oldest evidence of bioturbation on Earth. <i>Geology</i> , 2012 , 40, 395-398	5	72
197	Rare helical spheroidal fossils from the Doushantuo Lagerstätte: Ediacaran animal embryos come of age?. <i>Geology</i> , 2007 , 35, 115	5	71
196	TANNUOLINA AND MICRINA (TANNUOLINIDAE) FROM THE LOWER CAMBRIAN OF EASTERN YUNNAN, SOUTH CHINA, AND THEIR SCLERITOME RECONSTRUCTION. <i>Journal of Paleontology</i> , 2004 , 78, 900-913	1.1	71
195	Permineralized Fossils from the Terminal Proterozoic Doushantuo Formation, South China. <i>Journal of Paleontology</i> , 1998 , 72, 1-52	1.1	71
194	Exceptionally preserved fossil assemblages through geologic time and space. <i>Gondwana Research</i> , 2017 , 48, 164-188	5.1	70
193	TAPHONOMY OF THE UPPER EDIACARAN ENIGMATIC RIBBONLIKE FOSSIL SHAANXILITHES. <i>Palaios</i> , 2012 , 27, 354-372	1.6	70
192	Death march of a segmented and trilobate bilaterian elucidates early animal evolution. <i>Nature</i> , 2019 , 573, 412-415	50.4	67
191	Cell differentiation and germ-soma separation in Ediacaran animal embryo-like fossils. <i>Nature</i> , 2014 , 516, 238-41	50.4	67
190	Organic-walled microfossils from the early Neoproterozoic Liulaobei Formation in the Huainan region of North China and their biostratigraphic significance. <i>Precambrian Research</i> , 2013 , 236, 157-181	3.9	66
189	Taphonomic study of Ediacaran organic-walled fossils confirms the importance of clay minerals and pyrite in Burgess Shale-type preservation. <i>Geology</i> , 2011 , 39, 643-646	5	65
188	BIOSTRATINOMY OF THE LATE EDIACARAN PYRITIZED GAOJIASHAN LAGERSTATTE FROM SOUTHERN SHAANXI, SOUTH CHINA: IMPORTANCE OF EVENT DEPOSITS. <i>Palaios</i> , 2010 , 25, 487-506	1.6	64
187	Problematic macrofossils from Ediacaran successions in the North China and Chaidam blocks: implications for their evolutionary roots and biostratigraphic significance. <i>Journal of Paleontology</i> , 2007 , 81, 1396-1411	1.1	64
186	Paired carbonate and organic carbon isotope variations of the Ediacaran Doushantuo Formation from an upper slope section at Siduping, South China. <i>Precambrian Research</i> , 2016 , 273, 53-66	3.9	63
185	Ediacaran Acanthomorphic Acritarchs and Other Microfossils from Chert Nodules of the Upper Doushantuo Formation in the Yangtze Gorges Area, South China. <i>Journal of Paleontology</i> , 2014 , 88, 1-139 ¹	1.1	63
184	The origin of intracellular structures in Ediacaran metazoan embryos. <i>Geology</i> , 2012 , 40, 223-226	5	62
183	The Ediacaran Period 2012 , 413-435		62
182	A one-billion-year-old multicellular chlorophyte. <i>Nature Ecology and Evolution</i> , 2020 , 4, 543-549	12.3	61
181	Environmental context for the terminal Ediacaran biomineralization of animals. <i>Geobiology</i> , 2016 , 14, 344-63	4.3	61

180	Organic carbon isotope constraints on the dissolved organic carbon (DOC) reservoir at the Cryogenian-Ediacaran transition. <i>Earth and Planetary Science Letters</i> , 2010 , 299, 159-168	5.3	60
179	SYSTEMATIC DESCRIPTION AND PHYLOGENETIC AFFINITY OF TUBULAR MICROFOSSILS FROM THE EDIACARAN DOUSHANTUO FORMATION AT WENGLIAN, SOUTH CHINA. <i>Palaeontology</i> , 2008 , 51, 339-366 ^{2.9}	2.9	60
178	The stratigraphic complexity of the middle Ediacaran carbon isotopic record in the Yangtze Gorges area, South China, and its implications for the age and chemostratigraphic significance of the Shuram excursion. <i>Precambrian Research</i> , 2017 , 288, 23-38	3.9	59
177	Biostratigraphic and chemostratigraphic constraints on the age of early Neoproterozoic carbonate successions in North China. <i>Precambrian Research</i> , 2014 , 246, 208-225	3.9	59
176	The nature and origin of nucleus-like intracellular inclusions in Paleoproterozoic eukaryote microfossils. <i>Geobiology</i> , 2013 , 11, 499-510	4.3	58
175	Morphology and paleoecology of the late Ediacaran tubular fossil <i>Conotubus hemiannulatus</i> from the Gaojiashan Lagerstätte of southern Shaanxi Province, South China. <i>Precambrian Research</i> , 2011 , 191, 46-57	3.9	58
174	Novel application of focused ion beam electron microscopy (FIB-EM) in preparation and analysis of microfossil ultrastructures: A new view of complexity in early Eukaryotic organisms. <i>Palaeos</i> , 2009 , 24, 616-626	1.6	58
173	The oldest known priapulid-like scalidophoran animal and its implications for the early evolution of cycloneuralians and ecdysozoans. <i>Evolution & Development</i> , 2014 , 16, 155-65	2.6	56
172	Integrated carbon, sulfur, and nitrogen isotope chemostratigraphy of the Ediacaran Lantian Formation in South China: Spatial gradient, ocean redox oscillation, and fossil distribution. <i>Geobiology</i> , 2017 , 15, 552-571	4.3	51
171	The survival of benthic macroscopic phototrophs on a Neoproterozoic snowball Earth. <i>Geology</i> , 2015 , 43, 507-510	5	51
170	Basal Cambrian microfossils from the Yangtze Gorges area (South China) and the Aksu area (Tarim block, northwestern China). <i>Journal of Paleontology</i> , 2009 , 83, 30-44	1.1	51
169	Palaeontology: undressing and redressing Ediacaran embryos. <i>Nature</i> , 2007 , 446, E9-10; discussion E10-15 ^{0.4}	0.4	51
168	Global marine redox changes drove the rise and fall of the Ediacara biota. <i>Geobiology</i> , 2019 , 17, 594-610 ^{4.3}	4.3	50
167	Carbon and sulfur isotope chemostratigraphy of the Neoproterozoic Quanji Group of the Chaidam Basin, NW China: Basin stratification in the aftermath of an Ediacaran glaciation postdating the Shuram event?. <i>Precambrian Research</i> , 2010 , 177, 241-252	3.9	50
166	Armored kinorhynch-like scalidophoran animals from the early Cambrian. <i>Scientific Reports</i> , 2015 , 5, 16521 ^{1.9}	1.9	49
165	Ediacaran integrative stratigraphy and timescale of China. <i>Science China Earth Sciences</i> , 2019 , 62, 7-24	4.6	48
164	Silicified <i>Horodyskia</i> and <i>Palaeopascichnus</i> from upper Ediacaran cherts in South China: tentative phylogenetic interpretation and implications for evolutionary stasis. <i>Journal of the Geological Society</i> , 2008 , 165, 367-378	2.7	48
163	Phosphogenesis associated with the Shuram Excursion: Petrographic and geochemical observations from the Ediacaran Doushantuo Formation of South China. <i>Sedimentary Geology</i> , 2016 , 341, 134-146	2.8	48

162	Organic-walled microfossils from the Tonian Gouhou Formation, Huaibei region, North China Craton, and their biostratigraphic implications. <i>Precambrian Research</i> , 2015 , 266, 296-318	3.9	47
161	A new SIMS zircon U/Pb date from the Ediacaran Doushantuo Formation: age constraint on the Weng'an biota. <i>Geological Magazine</i> , 2017 , 154, 1193-1201	2	45
160	Proposed reassessment of the Cambrian GSSP. <i>Journal of African Earth Sciences</i> , 2014 , 98, 3-10	2.2	45
159	Biomineralization by particle attachment in early animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 17659-17665	11.5	45
158	Ediacaran biozones identified with network analysis provide evidence for pulsed extinctions of early complex life. <i>Nature Communications</i> , 2019 , 10, 911	17.4	44
157	Towering sponges in an Early Cambrian Lagerstätte: Disparity between nonbilaterian and bilaterian epifaunal tierers at the Neoproterozoic-Cambrian transition. <i>Geology</i> , 2002 , 30, 363	5	44
156	Thermally-induced structural and chemical alteration of organic-walled microfossils: an experimental approach to understanding fossil preservation in metasediments. <i>Geobiology</i> , 2012 , 10, 402-23	4.3	43
155	Restudy of the worm-like carbonaceous compression fossils <i>Protoarenicola</i> , <i>Pararenicola</i> , and <i>Sinosabellidites</i> from early Neoproterozoic successions in North China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008 , 258, 138-161	2.9	43
154	Morphological reconstruction of <i>Miaohephyton bifurcatum</i> , a possible brown alga from the Neoproterozoic Doushantuo Formation, South China. <i>Journal of Paleontology</i> , 1998 , 72, 1072-1086	1.1	43
153	Cryogenian evolution of stigmasteroid biosynthesis. <i>Science Advances</i> , 2017 , 3, e1700887	14.3	42
152	Diverse biomineralizing animals in the terminal Ediacaran Period herald the Cambrian explosion. <i>Geology</i> , 2019 , 47, 380-384	5	42
151	Redox-dependent distribution of early macro-organisms: Evidence from the terminal Ediacaran Khatyspyt Formation in Arctic Siberia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016 , 461, 122-139	2.9	42
150	Mitotic topologies and mechanics of Neoproterozoic algae and animal embryos. <i>Paleobiology</i> , 2002 , 28, 244-250	2.6	42
149	Late Ediacaran trackways produced by bilaterian animals with paired appendages. <i>Science Advances</i> , 2018 , 4, eaao6691	14.3	41
148	Ultrastructural and geochemical characterization of Archean-Paleoproterozoic graphite particles: implications for recognizing traces of life in highly metamorphosed rocks. <i>Astrobiology</i> , 2007 , 7, 684-704 ^{3.7}	3.7	41
147	On the Morphological and Ecological History of Proterozoic Macroalgae 2006 , 57-90		40
146	New material of the biomineralizing tubular fossil <i>Sinotubulites</i> from the late Ediacaran Dengying Formation, South China. <i>Precambrian Research</i> , 2015 , 261, 12-24	3.9	39
145	Comment on "Fossilized nuclei and germination structures identify Ediacaran 'animal embryos' as encysting protists". <i>Science</i> , 2012 , 335, 1169; author reply 1169	33.3	39

- 144 Environmental disturbance, resource availability, and biologic turnover at the dawn of animal life. *Earth-Science Reviews*, **2018**, 177, 248-264 10.2 39
- 143 Distinguishing geology from biology in the Ediacaran Doushantuo biota relaxes constraints on the timing of the origin of bilaterians. *Proceedings of the Royal Society B: Biological Sciences*, **2012**, 279, 2369-2376 4.4 38
- 142 Widespread contamination of carbonate-associated sulfate by present-day secondary atmospheric sulfate: Evidence from triple oxygen isotopes. *Geology*, **2014**, 42, 815-818 5 37
- 141 Episode of intense chemical weathering during the termination of the 635 Ma Marinoan glaciation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14904-14909 11.5 37
- 140 Pyritized chuarids with excystment structures from the late Neoproterozoic Lantian formation in Anhui, South China. *Precambrian Research*, **2001**, 107, 253-263 3.9 35
- 139 Sedimentology and chemostratigraphy of the terminal Ediacaran Dengying Formation at the Gaojiashan section, South China. *Geological Magazine*, **2019**, n/a, 2 34
- 138 Electron microscopy reveals evidence for simple multicellularity in the Proterozoic fossil Chuaria. *Geology*, **2017**, 45, 75-78 5 34
- 137 Bioturbation in Burgess Shale-type Lagerstätten [Case study of trace fossil/body fossil association from the Kaili Biota (Cambrian Series 3), Guizhou, China. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2010**, 292, 245-256 2.9 34
- 136 Nitrogen-Fixing Heterocystous Cyanobacteria in the Tonian Period. *Current Biology*, **2018**, 28, 616-622.e16.3 6.3 33
- 135 Carbon, sulfur, and oxygen isotope evidence for a strong depth gradient and oceanic oxidation after the Ediacaran Hankalchough glaciation. *Geochimica Et Cosmochimica Acta*, **2011**, 75, 1357-1373 5.5 32
- 134 EARLY CAMBRIAN METAZOAN EGGS, EMBRYOS, AND PHOSPHATIC MICROFOSSILS FROM NORTHWESTERN CANADA. *Journal of Paleontology*, **2006**, 80, 811-825 1.1 32
- 133 Assessing the veracity of Precambrian sponge fossils using in situ nanoscale analytical techniques. *Precambrian Research*, **2015**, 263, 142-156 3.9 31
- 132 Yangtziaramulus zhangii new genus and species, a carbonate-hosted macrofossil from the Ediacaran Dengying Formation in the Yangtze Gorges area, South China. *Journal of Paleontology*, **2009**, 83, 575-587 1.1 31
- 131 Seaweed morphology and ecology during the great animal diversification events of the early Paleozoic: A tale of two floras. *Geobiology*, **2017**, 15, 588-616 4.3 30
- 130 Silicified glendonites in the Ediacaran Doushantuo Formation (South China) and their potential paleoclimatic implications. *Geology*, **2017**, 45, 115-118 5 30
- 129 Life history and autecology of an Ediacaran index fossil: Development and dispersal of Cloudina. *Gondwana Research*, **2015**, 28, 419-424 5.1 30
- 128 Rare earth elements and carbon isotope geochemistry of the Doushantuo Formation in South China: Implication for middle Ediacaran shallow marine redox conditions. *Science Bulletin*, **2012**, 57, 1998-2006 2.9 29
- 127 Basal Cambrian microfossils from the Yangtze Gorges area (South China) and the Aksu area (Tarim block, northwestern China). *Journal of Paleontology*, **2009**, 83, 30-44 1.1 29

126	Germanium/silica ratios in diagenetic chert nodules from the Ediacaran Doushantuo Formation, South China. <i>Chemical Geology</i> , 2011 , 280, 323-335	4.2	28
125	Stable carbon isotopes of sedimentary kerogens and carbonaceous macrofossils from the Ediacaran Miaohe Member in South China: Implications for stratigraphic correlation and sources of sedimentary organic carbon. <i>Precambrian Research</i> , 2017 , 302, 171-179	3.9	27
124	Taphonomy of the Ediacaran Fossil Pteridinium Simplex Preserved Three-Dimensionally in Mass Flow Deposits, Nama Group, Namibia. <i>Journal of Paleontology</i> , 2014 , 88, 240-252	1.1	27
123	Systematic description of putative animal fossils from the early Ediacaran Lantian Formation of South China. <i>Palaeontology</i> , 2016 , 59, 515-532	2.9	27
122	A systematic description of new macrofossil material from the upper Ediacaran Miaohe Member in South China. <i>Journal of Systematic Palaeontology</i> , 2019 , 17, 183-238	2.3	27
121	After the boring billion and before the freezing millions: evolutionary patterns and innovations in the Tonian Period. <i>Emerging Topics in Life Sciences</i> , 2018 , 2, 161-171	3.5	26
120	Evidence for spicule homology in calcareous and siliceous sponges: biminerallitic spicules in <i>Lenica</i> sp. from the Early Cambrian of South China. <i>Lethaia</i> , 2012 , 45, 463-475	1.3	26
119	RESOLVING THREE-DIMENSIONAL AND SUBSURFICIAL FEATURES OF CARBONACEOUS COMPRESSIONS AND SHELLY FOSSILS USING BACKSCATTERED ELECTRON SCANNING ELECTRON MICROSCOPY (BSE-SEM). <i>Palaios</i> , 2015 , 30, 462-481	1.6	25
118	A pronounced negative $\delta^{13}\text{C}$ excursion in an Ediacaran succession of western Yangtze Platform: A possible equivalent to the Shuram event and its implication for chemostratigraphic correlation in South China. <i>Gondwana Research</i> , 2012 , 22, 1091-1101	5.1	25
117	A biomechanical analysis of the early eukaryotic fossil <i>Valeria</i> and new occurrence of organic-walled microfossils from the Paleo-Mesoproterozoic Ruyang Group. <i>Palaeoworld</i> , 2015 , 24, 251-262	1.8	24
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