

J William Schopf

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9033662/publications.pdf>

Version: 2024-02-01

77
papers

5,080
citations

109311
35
h-index

102480
66
g-index

81
all docs

81
docs citations

81
times ranked

3034
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon isotopes of Proterozoic filamentous microfossils: SIMS analyses of ancient cyanobacteria from two disparate shallow-marine cherts. <i>Geomicrobiology Journal</i> , 2021, 38, 719-731.	2.0	3
2	Precambrian Paleobiology: Precedents, Progress, and Prospects. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	2
3	Global microfossil changes through the Precambrian-Cambrian phosphogenic event: The Shabakta Formation of the phosphorite-bearing Maly Karatau Range, South Kazakhstan. <i>Precambrian Research</i> , 2020, 349, 105386.	2.7	8
4	Application of the apatite oxygen paleobarometer (AOP) across the Neoproterozoic-Cambrian transition. <i>Precambrian Research</i> , 2020, 349, 105404.	2.7	3
5	SIMS analyses of the oldest known assemblage of microfossils document their taxon-correlated carbon isotope compositions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 53-58.	7.1	131
6	Reconstructed ancestral enzymes suggest long-term cooling of Earth's photic zone since the Archean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4619-4624.	7.1	53
7	Carbonaceous and siliceous Neoproterozoic vase-shaped microfossils (Urucum Formation, Brazil) and the question of early protistan biomineralization. <i>Journal of Paleontology</i> , 2017, 91, 393-406.	0.8	35
8	An anaerobic ~3400 Ma shallow-water microbial consortium: Presumptive evidence of Earth's Paleoarchean anoxic atmosphere. <i>Precambrian Research</i> , 2017, 299, 309-318.	2.7	28
9	<i>Palaeontology, Microbial</i> , 2017, , .		0
10	In situ confocal laser scanning microscopy and Raman spectroscopy of bisaccate pollen from the Irati Subgroup (Permian, Paraná Basin, Brazil): Comparison with acid-macerated specimens. <i>Review of Palaeobotany and Palynology</i> , 2016, 233, 169-175.	1.5	12
11	Carbonate mineralogy of a tropical bryozoan biota and its vulnerability to ocean acidification. <i>Marine Biology Research</i> , 2016, 12, 776-780.	0.7	13
12	Calcitization of aragonitic bryozoans in Cenozoic tropical carbonates from East Kalimantan, Indonesia. <i>Facies</i> , 2016, 62, 1.	1.4	3
13	A new approach to ancient microorganisms: taxonomy, paleoecology, and biostratigraphy of the Lower Cambrian Berkuta and Chulaktau microbiotas of South Kazakhstan. <i>Journal of Paleontology</i> , 2015, 89, 695-729.	0.8	23
14	Evidence of compositional and ultrastructural shifts during the development of calcareous tubes in the biofouling tubeworm, <i>Hydroides elegans</i> . <i>Journal of Structural Biology</i> , 2015, 189, 230-237.	2.8	10
15	Sulfur-cycling fossil bacteria from the 1.8-Ga Duck Creek Formation provide promising evidence of evolution's null hypothesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2087-2092.	7.1	51
16	Reply to Dvořák et al.: Apparent evolutionary stasis of ancient subseafloor sulfur cycling biocoenoses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2560-E2560.	7.1	0
17	Geological evidence of oxygenic photosynthesis and the biotic response to the 2400-2200 Ma "Great Oxidation Event". <i>Biochemistry (Moscow)</i> , 2014, 79, 165-177.	1.5	33
18	Reply to the comments of D.L. Pinti, R. Mineau and V. Clement, and of A.O. Marshall and C.P. Marshall on "Biogenicity of Earth's earliest fossils: A resolution of the controversy" by J. William Schopf and Anatoliy B. Kudryavtsev, <i>Gondwana Research</i> 22 (2012), 761-771. <i>Gondwana Research</i> , 2013, 23, 1656-1658.	6.0	12

#	ARTICLE	IF	CITATIONS
19	Preservation and detection of microstructural and taxonomic correlations in the carbon isotopic compositions of individual Precambrian microfossils. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 104, 165-182.	3.9	72
20	Characterization of the stem anatomy of the Eocene fern <i>Dennstaedtiopsis aerenchymata</i> (Dennstaedtiaceae) by use of confocal laser scanning microscopy. <i>American Journal of Botany</i> , 2013, 100, 1626-1640.	1.7	14
21	Application of Raman-based images in the Earth sciences. <i>Springer Series in Optical Sciences</i> , 2012, , 145-187.	0.7	24
22	Gypsum-Permineralized Microfossils and Their Relevance to the Search for Life on Mars. <i>Astrobiology</i> , 2012, 12, 619-633.	3.0	61
23	Biogenicity of Earth's earliest fossils: A resolution of the controversy. <i>Gondwana Research</i> , 2012, 22, 761-771.	6.0	110
24	The Fossil Record of Cyanobacteria. , 2012, , 15-36.		38
25	J. William Schopf. <i>Astrobiology</i> , 2011, 11, 9-14.	3.0	0
26	Confocal Laser Scanning Microscopy and Raman (and Fluorescence) Spectroscopic Imagery of Permineralized Cambrian and Neoproterozoic Fossils. <i>Topics in Geobiology</i> , 2011, , 241-270.	0.5	5
27	Phosphate biomineralization in mid-Neoproterozoic protists. <i>Geology</i> , 2011, 39, 539-542.	4.4	62
28	Biogenicity of Apex Chert microstructures. <i>Nature Geoscience</i> , 2011, 4, 346-347.	12.9	8
29	The paleobiological record of photosynthesis. <i>Photosynthesis Research</i> , 2011, 107, 87-101.	2.9	89
30	Micro- and nano-scale ultrastructure of cell walls in Cryogenian microfossils: revealing their biological affinity. <i>Lethaia</i> , 2010, 43, 129-136.	1.4	31
31	A renaissance in studies of ancient life. <i>Geology Today</i> , 2010, 26, 140-145.	0.9	21
32	Confocal laser scanning microscopy and Raman imagery of the late Neoproterozoic Chichkan microbiota of South Kazakhstan. <i>Journal of Paleontology</i> , 2010, 84, 402-416.	0.8	37
33	Precambrian microbe-like pseudofossils: A promising solution to the problem. <i>Precambrian Research</i> , 2010, 179, 191-205.	2.7	72
34	Taxonomy, paleoecology and biostratigraphy of the late Neoproterozoic Chichkan microbiota of South Kazakhstan: the marine biosphere on the eve of metazoan radiation. <i>Journal of Paleontology</i> , 2010, 84, 363-401.	0.8	57
35	Three-Dimensional Morphological (CLSM) and Chemical (Raman) Imagery of Cellularly Mineralized Fossils. <i>Topics in Geobiology</i> , 2010, , 457-486.	0.5	7
36	Characterization of permineralized kerogen from an Eocene fossil fern. <i>Organic Geochemistry</i> , 2009, 40, 353-364.	1.8	35

#	ARTICLE	IF	CITATIONS
37	Confocal laser scanning microscopy and Raman imagery of ancient microscopic fossils. <i>Precambrian Research</i> , 2009, 173, 39-49.	2.7	110
38	Calcite and aragonite distributions in the skeletons of bimineralic bryozoans as revealed by Raman spectroscopy. <i>Invertebrate Biology</i> , 2008, 127, 87-97.	0.9	47
39	Discovery of a New Chert-Permineralized Microbiota in the Proterozoic Buxa Formation of the Ranjit Window, Sikkim, Northeast India, and Its Astrobiological Implications. <i>Astrobiology</i> , 2008, 8, 735-746.	3.0	39
40	Raman spectra of a Lower Cambrian ctenophore embryo from southwestern Shaanxi, China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6289-6292.	7.1	95
41	Evidence of Archean life: Stromatolites and microfossils. <i>Precambrian Research</i> , 2007, 158, 141-155.	2.7	312
42	Raman and ion microscopic imagery of graphitic inclusions in apatite from older than 3830 Ma Akilia supracrustal rocks, west Greenland. <i>Geology</i> , 2007, 35, 591.	4.4	92
43	Three-Dimensional Confocal Optical Imagery of Precambrian Microscopic Organisms. <i>Astrobiology</i> , 2006, 6, 1-16.	3.0	91
44	Fossil evidence of Archaean life. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 869-885.	4.0	396
45	Three-dimensional Raman imagery of precambrian microscopic organisms. <i>Geobiology</i> , 2005, 3, 1-12.	2.4	110
46	Raman Imagery: A New Approach to Assess the Geochemical Maturity and Biogenicity of Permineralized Precambrian Fossils. <i>Astrobiology</i> , 2005, 5, 333-371.	3.0	193
47	Focussed ion beam preparation and in situ nanoscopic study of Precambrian acritarchs. <i>Precambrian Research</i> , 2005, 140, 36-54.	2.7	50
48	Extinctions in life's earliest history. , 2004, , 35-60.		1
49	Geochemical and submicron-scale morphologic analyses of individual Precambrian microorganisms. <i>Geochemical Society Special Publications</i> , 2004, 9, 365-375.	0.1	5
50	Morphological Biosignatures and the Search for Life on Mars. <i>Astrobiology</i> , 2003, 3, 351-368.	3.0	244
51	Atomic force microscopy of Precambrian microscopic fossils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9117-9120.	7.1	47
52	Longâ€living lotus: germination and soil ð³â€irradiation of centuriesâ€old fruits, and cultivation, growth, and phenotypic abnormalities of offspring. <i>American Journal of Botany</i> , 2002, 89, 236-247.	1.7	90
53	Laserâ€Raman imagery of Earth's earliest fossils. <i>Nature</i> , 2002, 416, 73-76.	27.8	557
54	Images of the Earth's earliest fossils?. <i>Nature</i> , 2002, 420, 477-477.	27.8	14

#	ARTICLE	IF	CITATIONS
55	Carbon isotopic composition of individual Precambrian microfossils. <i>Geology</i> , 2000, 28, 707.	4.4	157
56	Solution to Darwin's dilemma: Discovery of the missing Precambrian record of life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6947-6953.	7.1	52
57	Carbon isotopic composition of individual Precambrian microfossils. <i>Geology</i> , 2000, 28, 707-710.	4.4	16
58	Precambrian: The Age of Microscopic Life. <i>The Paleontological Society Special Publications</i> , 1996, 8, 345-345.	0.0	0
59	Exceptional Seed Longevity and Robust Growth: Ancient Sacred Lotus from China. <i>American Journal of Botany</i> , 1995, 82, 1367.	1.7	94
60	Abundances and Isotopic Compositions of Carbon and Sulfur Species in Whole Rock and Kerogen Samples. , 1992, , 709-798.		60
61	Proterozoic and Selected Early Cambrian Microfossils and Microfossil-Like Objects. , 1992, , 865-952.		45
62	Atlas of Representative Proterozoic Microfossils. , 1992, , 1055-1118.		28
63	Geology and Paleobiology of the Archean Earth. , 1992, , 5-42.		5
64	Proterozoic Biogeochemistry. , 1992, , 81-134.		23
65	Evolution of the Proterozoic Biosphere: Benchmarks, Tempo, and Mode. , 1992, , 583-600.		12
66	Precambrian Biochemical Evolution. <i>Short Courses in Paleontology</i> , 1988, 1, 89-97.	0.2	0
67	Microfossils in stromatolitic cherts from the proterozoic allamoore formation of west texas. <i>Precambrian Research</i> , 1981, 16, 129-141.	2.7	12
68	The Evolution of the Earliest Cells. <i>Scientific American</i> , 1978, 239, 110-138.	1.0	130
69	Biostratigraphic usefulness of stromatolitic precambrian microbiotas: A preliminary analysis. <i>Precambrian Research</i> , 1977, 5, 143-173.	2.7	91
70	Are the oldest ?fossils?, fossils?. <i>Origins of Life and Evolution of Biospheres</i> , 1976, 7, 19-36.	0.6	56
71	Precambrian Paleobiology: Problems and Perspectives. <i>Annual Review of Earth and Planetary Sciences</i> , 1975, 3, 213-249.	11.0	174
72	The development and diversification of Precambrian life. <i>Origins of Life and Evolution of Biospheres</i> , 1974, 5, 119-135.	0.6	58

#	ARTICLE	IF	CITATIONS
73	STRUCTURALLY PRESERVED PHLOEM ZONE TISSUE IN RHYNIA. American Journal of Botany, 1972, 59, 373-376.	1.7	20
74	Structurally Preserved Phloem Zone Tissue in Rhynia. American Journal of Botany, 1972, 59, 373.	1.7	12
75	PRECAMBRIAN MICROORGANISMS AND EVOLUTIONARY EVENTS PRIOR TO THE ORIGIN OF VASCULAR PLANTS. Biological Reviews, 1970, 45, 319-352.	10.4	186
76	Possible Algal Microfossils from the Late Pre-Cambrian of California. Nature, 1969, 223, 165-167.	27.8	24
77	Recent Advances in Precambrian Paleobiology. Grana Palynologica, 1969, 9, 147-168.	0.4	10