

Emmanuelle J Javaux

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,871
citations

393982

19
h-index

500791

28
g-index

31
all docs

31
docs citations

31
times ranked

1774
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic-walled microfossils in 3.2-billion-year-old shallow-marine siliciclastic deposits. <i>Nature</i> , 2010, 463, 934-938.	13.7	274
2	TEM evidence for eukaryotic diversity in mid-Proterozoic oceans. <i>Geobiology</i> , 2004, 2, 121-132.	1.1	219
3	Challenges in evidencing the earliest traces of life. <i>Nature</i> , 2019, 572, 451-460.	13.7	156
4	Recognizing and interpreting the fossils of early eukaryotes. <i>Origins of Life and Evolution of Biospheres</i> , 2003, 33, 75-94.	0.8	146
5	Early fungi from the Proterozoic era in Arctic Canada. <i>Nature</i> , 2019, 570, 232-235.	13.7	135
6	Cyanobacteria evolution: Insight from the fossil record. <i>Free Radical Biology and Medicine</i> , 2019, 140, 206-223.	1.3	116
7	Micropaleontology of the lower Mesoproterozoic Roper Group, Australia, and implications for early eukaryotic evolution. <i>Journal of Paleontology</i> , 2017, 91, 199-229.	0.5	115
8	The Paleoproterozoic fossil record: Implications for the evolution of the biosphere during Earth's middle-age. <i>Earth-Science Reviews</i> , 2018, 176, 68-86.	4.0	109
9	Microfossils from the late Mesoproterozoic to early Neoproterozoic Atar/El MreËti Group, Taoudeni Basin, Mauritania, northwestern Africa. <i>Precambrian Research</i> , 2017, 291, 63-82.	1.2	69
10	Iron minerals within specific microfossil morphospecies of the 1.88 Ga Gunflint Formation. <i>Nature Communications</i> , 2017, 8, 14890.	5.8	56
11	Extreme life on Earth past, present and possibly beyond. <i>Research in Microbiology</i> , 2006, 157, 37-48.	1.0	54
12	Raman microspectroscopy, bitumen reflectance and illite crystallinity scale: comparison of different geothermometry methods on fossiliferous Proterozoic sedimentary basins (DR Congo, Mauritania and Tj ETQq0 0 0 0 BT / Overlock 10 T	0.9	47
13	The Close-Up Imager Onboard the ESA ExoMars Rover: Objectives, Description, Operations, and Science Validation Activities. <i>Astrobiology</i> , 2017, 17, 595-611.	1.5	44
14	Consensus assessment of the contamination level of publicly available cyanobacterial genomes. <i>PLoS ONE</i> , 2018, 13, e0200323.	1.1	41
15	Organic-walled microfossils from the late Mesoproterozoic to early Neoproterozoic lower Shaler Supergroup (Arctic Canada): Diversity and biostratigraphic significance. <i>Precambrian Research</i> , 2019, 321, 349-374.	1.2	41
16	Raman Characterization of the UV-Protective Pigment Gloeocapsin and Its Role in the Survival of Cyanobacteria. <i>Astrobiology</i> , 2015, 15, 843-857.	1.5	39
17	The earliest evidence for modern-style plate tectonics recorded by HP-LT metamorphism in the Paleoproterozoic of the Democratic Republic of the Congo. <i>Scientific Reports</i> , 2018, 8, 15452.	1.6	38
18	The Early Eukaryotic Fossil Record. <i>Advances in Experimental Medicine and Biology</i> , 2007, 607, 1-19.	0.8	36

#	ARTICLE	IF	CITATIONS
19	Habitability: from stars to cells. <i>Astronomy and Astrophysics Review</i> , 2010, 18, 383-416.	9.1	23
20	Metagenomic assembly of new (sub)polar Cyanobacteria and their associated microbiome from non-axenic cultures. <i>Microbial Genomics</i> , 2018, 4, .	1.0	23
21	Intracellular bound chlorophyll residues identify 1 Gyr-old fossils as eukaryotic algae. <i>Nature Communications</i> , 2022, 13, 146.	5.8	18
22	Implications of selective predation on the macroevolution of eukaryotes: evidence from Arctic Canada. <i>Emerging Topics in Life Sciences</i> , 2018, 2, 247-255.	1.1	17
23	Geoscience for Understanding Habitability in the Solar System and Beyond. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	14
24	Shale-hosted biota from the Dismal Lakes Group in Arctic Canada supports an early Mesoproterozoic diversification of eukaryotes. <i>Journal of Paleontology</i> , 2021, 95, 1113-1137.	0.5	12
25	A constrained SSU-rRNA phylogeny reveals the unsequenced diversity of photosynthetic Cyanobacteria (Oxyphotobacteria). <i>BMC Research Notes</i> , 2018, 11, 435.	0.6	9
26	Cyanobacterial Contribution to Travertine Deposition in the Hoyoux River System, Belgium. <i>Microbial Ecology</i> , 2017, 74, 33-53.	1.4	7
27	Characterization of the Halochromic Gloeocapsin Pigment, a Cyanobacterial Biosignature for Paleobiology and Astrobiology. <i>Astrobiology</i> , 2022, 22, 735-754.	1.5	4
28	Microfossils from early Earth. <i>Nature Geoscience</i> , 2011, 4, 663-665.	5.4	2
29	Fe-Rich Fossil Vents as Mars Analog Samples: Identification of Extinct Chimneys in Miocene Marine Sediments Using Raman Spectroscopy, X-Ray Diffraction, and Scanning Electron Microscopyâ€“Energy Dispersive X-Ray Spectroscopy. <i>Astrobiology</i> , 0, , .	1.5	1