Karim Benzerara

List of Publications by Year
in descending order

149 papers	8,447 citations	36303 51 h-index	53230 85 g-index
151 all docs	151 docs citations	151 times ranked	7701 citing authors

#	Article	IF	Citations
1	Soft X-ray microscopy and spectroscopy at the molecular environmental science beamline at the Advanced Light Source. Journal of Electron Spectroscopy and Related Phenomena, 2006, 150, 86-104.	1.7	292
2	An Early-Branching Freshwater Cyanobacterium at the Origin of Plastids. Current Biology, 2017, 27, 386-391.	3.9	275
3	Iron biomineralization by anaerobic neutrophilic iron-oxidizing bacteria. Geochimica Et Cosmochimica Acta, 2009, 73, 696-711.	3.9	255
4	Precipitation of amorphous CaCO3 (aragonite-like) by cyanobacteria: A STXM study of the influence of EPS on the nucleation process. Geochimica Et Cosmochimica Acta, 2009, 73, 4180-4198.	3.9	246
5	Intracellular Ca-carbonate biomineralization is widespread in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10933-10938.	7.1	221
6	Nanoscale detection of organic signatures in carbonate microbialites. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9440-9445.	7.1	212
7	An Early-Branching Microbialite Cyanobacterium Forms Intracellular Carbonates. Science, 2012, 336, 459-462.	12.6	208
8	The desert of Tataouine: an extreme environment that hosts a wide diversity of microorganisms and radiotolerant bacteria. Environmental Microbiology, 2006, 8, 514-525.	3.8	192
9	XANES, Raman and XRD study of anthracene-based cokes and saccharose-based chars submitted to high-temperature pyrolysis. Carbon, 2010, 48, 2506-2516.	10.3	192
10	Green Rust Formation during Fe(II) Oxidation by the Nitrate-Reducing Acidovorax sp. Strain BoFeN1. Environmental Science & Technology, 2012, 46, 1439-1446.	10.0	173
11	Scanning transmission X-ray microscopy study of microbial calcification. Geobiology, 2004, 2, 249-259.	2.4	166
12	Formation of Cell-Iron-Mineral Aggregates by Phototrophic and Nitrate-Reducing Anaerobic Fe(II)-Oxidizing Bacteria. Geomicrobiology Journal, 2009, 26, 93-103.	2.0	157
13	Graphite formation by carbonate reduction during subduction. Nature Geoscience, 2013, 6, 473-477.	12.9	155
14	Microbially influenced formation of 2,724-million-year-old stromatolites. Nature Geoscience, 2008, 1, 118-121.	12.9	154
15	Extracellular Iron Biomineralization by Photoautotrophic Iron-Oxidizing Bacteria. Applied and Environmental Microbiology, 2009, 75, 5586-5591.	3.1	152
16	Significance, mechanisms and environmental implications of microbial biomineralization. Comptes Rendus - Geoscience, 2011, 343, 160-167.	1.2	145
17	Bacterial diversity and carbonate precipitation in the giant microbialites from the highly alkaline Lake Van, Turkey. Extremophiles, 2005, 9, 263-274.	2.3	137
18	Exceptional preservation of fossil plant spores in high-pressure metamorphic rocks. Earth and Planetary Science Letters, 2007, 262, 257-272.	4.4	136

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19	Transformation of vivianite by anaerobic nitrateâ€reducing ironâ€oxidizing bacteria. Geobiology, 2009, 7, 373-384.	2.4	133
20	Multidisciplinary Evidences that Synechocystis PCC6803 Exopolysaccharides Operate in Cell Sedimentation and Protection against Salt and Metal Stresses. PLoS ONE, 2013, 8, e55564.	2.5	133
21	Biomineralization of iron-phosphates in the water column of Lake Pavin (Massif Central, France). Geochimica Et Cosmochimica Acta, 2014, 126, 78-96.	3.9	131
22	The link between biomineralization and fossilization of bacteria: Insights from field and experimental studies. Chemical Geology, 2013, 359, 49-69.	3.3	118
23	Prokaryotic and Eukaryotic Community Structure in Field and Cultured Microbialites from the Alkaline Lake Alchichica (Mexico). PLoS ONE, 2011, 6, e28767.	2.5	111
24	Alteration of submarine basaltic glass from the Ontong Java Plateau: A STXM and TEM study. Earth and Planetary Science Letters, 2007, 260, 187-200.	4.4	97
25	Biologically controlled precipitation of calcium phosphate by Ramlibacter tataouinensis. Earth and Planetary Science Letters, 2004, 228, 439-449.	4.4	93
26	Nanobacteria-like calcite single crystals at the surface of the Tataouine meteorite. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7438-7442.	7.1	87
27	Ultrastructural and chemical study of modern and fossil sporoderms by Scanning Transmission X-ray Microscopy (STXM). Review of Palaeobotany and Palynology, 2009, 156, 248-261.	1.5	85
28	Nanometerâ€scale characterization of exceptionally preserved bacterial fossils in <scp>P</scp>aleocene phosphorites from <scp>O</scp>uled <scp>A</scp>bdoun (<scp>M</scp>orocco). Geobiology, 2013, 11, 139-153.	2.4	84
29	Nanoscale environments associated with bioweathering of a Mg-Fe-pyroxene. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 979-982.	7.1	83
30	Raman Mapping Using Advanced Line-Scanning Systems: Geological Applications. Applied Spectroscopy, 2008, 62, 1180-1188.	2.2	82
31	Quantification of the ferric/ferrous iron ratio in silicates by scanning transmission X-ray microscopy at the Fe L2,3 edges. Contributions To Mineralogy and Petrology, 2013, 166, 423-434.	3.1	77
32	TEM study of a silicate-carbonate-microbe interface prepared by focused ion beam milling. Geochimica Et Cosmochimica Acta, 2005, 69, 1413-1422.	3.9	75
33	Specific carbonateâ€“microbe interactions in the modern microbialites of Lake Alchichica (Mexico). ISME Journal, 2013, 7, 1997-2009.	9.8	75
34	Characterization of Ca-phosphate biological materials by scanning transmission X-ray microscopy (STXM) at the Ca L2,3-, P L2,3- and C K-edges. Acta Biomaterialia, 2015, 12, 260-269.	8.3	75
35	Influence of Uranium on Bacterial Communities: A Comparison of Natural Uranium-Rich Soils with Controls. PLoS ONE, 2011, 6, e25771.	2.5	75
36	Description of Gloeomargarita lithophora gen. nov., sp. nov., a thylakoid-bearing, basal-branching cyanobacterium with intracellular carbonates, and proposal for Gloeomargaritales ord. nov.. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 653-658.	1.7	72

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37	Aqueous alteration in the Northwest Africa 817 (NWA 817) Martian meteorite. Earth and Planetary Science Letters, 2002, 203, 431-444.	4.4	71
38	Preservation of protein globules and peptidoglycan in the mineralized cell wall of nitrate-reducing, iron(II)-oxidizing bacteria: a cryo-electron microscopy study. Geobiology, 2011, 9, 459-470.	2.4	70
39	Experimental investigation of the stability of Feâ€rich carbonates in the lower mantle. Journal of Geophysical Research, 2012, 117, .	3.3	68
40	Description of new shockâ€induced phases in the Shergotty, Zagami, Nakhla and Chassigny meteorites. Meteoritics and Planetary Science, 2001, 36, 1297-1305.	1.6	65
41	Organic matter heterogeneities in 2.72Ga stromatolites: Alteration versus preservation by sulfur incorporation. Geochimica Et Cosmochimica Acta, 2009, 73, 6579-6599.	3.9	65
42	Nanoscale study of As biomineralization in an acid mine drainage system. Geochimica Et Cosmochimica Acta, 2008, 72, 3949-3963.	3.9	64
43	Microscopy evidence of bacterial microfossils in phosphorite crusts of the Peruvian shelf: Implications for phosphogenesis mechanisms. Chemical Geology, 2013, 359, 10-22.	3.3	63
44	Hyperdiverse archaea near life limits at the polyextreme geothermal Dallol area. Nature Ecology and Evolution, 2019, 3, 1552-1561.	7.8	62
45	Study of the crystallographic architecture of corals at the nanoscale by scanning transmission X-ray microscopy and transmission electron microscopy. Ultramicroscopy, 2011, 111, 1268-1275.	1.9	59
46	Multiscale characterization of pyritized plant tissues in blueschist facies metamorphic rocks. Geochimica Et Cosmochimica Acta, 2010, 74, 5054-5068.	3.9	58
47	Cyanobacterial calcification in modern microbialites at the submicrometer scale. Biogeosciences, 2013, 10, 5255-5266.	3.3	58
48	Formation of low-T hydrated silicates in modern microbialites from Mexico and implications for microbial fossilization. Frontiers in Earth Science, 2015, 3, .	1.8	57
49	Ectosymbiotic bacteria at the origin of magnetoreception in a marine protist. Nature Microbiology, 2019, 4, 1088-1095.	13.3	57
50	Formation of single domain magnetite by green rust oxidation promoted by microbial anaerobic nitrate-dependent iron oxidation. Geochimica Et Cosmochimica Acta, 2014, 139, 327-343.	3.9	55
51	Magnetotactic bacteria as a new model for P sequestration in the ferruginous Lake Pavin. Geochemical Perspectives Letters, 0, , 35-41.	5.0	54
52	The 2.1 Ga Old Francevillian Biota: Biogenicity, Taphonomy and Biodiversity. PLoS ONE, 2014, 9, e99438.	2.5	53
53	Coprolites of Late Triassic carnivorous vertebrates from Poland: An integrative approach. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 430, 21-46.	2.3	53
54	Impact of biomineralization on the preservation of microorganisms during fossilization: An experimental perspective. Earth and Planetary Science Letters, 2014, 400, 113-122.	4.4	52

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55	Intracellular amorphous Ca-carbonate and magnetite biomineralization by a magnetotactic bacterium affiliated to the Alphaproteobacteria. ISME Journal, 2021, 15, 1-18.	9.8	52
56	Bacteria in the Tatahouine meteorite: nanometric-scale life in rocks. Earth and Planetary Science Letters, 2000, 175, 161-167.	4.4	50
57	Solenicola setigera is the first characterized member of the abundant and cosmopolitan uncultured marine stramenopile group MASTâ€3. Environmental Microbiology, 2011, 13, 193-202.	3.8	50
58	Metagenome-based diversity analyses suggest a significant contribution of non-cyanobacterial lineages to carbonate precipitation in modern microbialites. Frontiers in Microbiology, 2015, 6, 797.	3.5	50
59	Single-Cell Resolution of Uncultured Magnetotactic Bacteria via Fluorescence-Coupled Electron Microscopy. Applied and Environmental Microbiology, 2017, 83, .	3.1	50
60	Amorphous Calcium Carbonate Granules Form Within an Intracellular Compartment in Calcifying Cyanobacteria. Frontiers in Microbiology, 2018, 9, 1768.	3.5	50
61	Evolution of the macromolecular structure of sporopollenin during thermal degradation. Heliyon, 2015, 1, e00034.	3.2	48
62	Biomineralization Patterns of Intracellular Carbonatogenesis in Cyanobacteria: Molecular Hypotheses. Minerals (Basel, Switzerland), 2016, 6, 10.	2.0	48
63	16S rDNA-based analysis reveals cosmopolitan occurrence but limited diversity of two cyanobacterial lineages with contrasted patterns of intracellular carbonate mineralization. Frontiers in Microbiology, 2014, 5, 331.	3.5	47
64	Selective Uptake of Alkaline Earth Metals by Cyanobacteria Forming Intracellular Carbonates. Environmental Science & Technology, 2016, 50, 11654-11662.	10.0	47
65	Investigating Microbe-Mineral Interactions: Recent Advances in X-Ray and Electron Microscopy and Redox-Sensitive Methods. Annual Review of Earth and Planetary Sciences, 2014, 42, 271-289.	11.0	46
66	The diversity of molecular mechanisms of carbonate biomineralization by bacteria. Discover Materials, 2021, 1, 1.	2.8	46
67	Involvement of microbial mats in early fossilization by decay delay and formation of impressions and replicas of vertebrates and invertebrates. Scientific Reports, 2016, 6, 25716.	3.3	45
68	In vitro synthesis of amorphous Mg-, Ca-, Sr- and Ba-carbonates: What do we learn about intracellular calcification by cyanobacteria?. Geochimica Et Cosmochimica Acta, 2015, 161, 36-49.	3.9	44
69	Molecular Phylogeny and Ultrastructure of Aphelidium aff. melosirae (Aphelida, Opisthosporidia). Protist, 2014, 165, 512-526.	1.5	43
70	In Situ Characterization of Aluminum-Containing Mineralâ^'Microorganism Aqueous Suspensions Using Scanning Transmission X-ray Microscopy. Langmuir, 2004, 20, 10361-10366.	3.5	42
71	Looking for traces of life in minerals. Comptes Rendus - Palevol, 2009, 8, 617-628.	0.2	42
72	Effect of iron metal and siderite on the durability of simulated archeological glassy material. Corrosion Science, 2013, 76, 403-414.	6.6	42

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73	Cyanobacterial formation of intracellular Caâ€carbonates in undersaturated solutions. Geobiology, 2018, 16, 49-61.	2.4	42
74	Search for Microbial Signatures within Human and Microbial Calcifications Using Soft X-Ray Spectromicroscopy. Journal of Investigative Medicine, 2006, 54, 367-379.	1.6	40
75	Garnetâ€filled trails associated with carbonaceous matter mimicking microbial filaments in Archean basalt. Geobiology, 2009, 7, 393-402.	2.4	40
76	Biogenic versus metamorphic origins of diverse microtubes in 2.7 Gyr old volcanic ashes: Multi-scale investigations. Earth and Planetary Science Letters, 2011, 312, 37-47.	4.4	40
77	Calcium-Phosphate Biomineralization Induced by Alkaline Phosphatase Activity in Escherichia coli: Localization, Kinetics, and Potential Signatures in the Fossil Record. Frontiers in Earth Science, 0, 3, .	1.8	40
78	Post-landing major element quantification using SuperCam laser induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2022, 188, 106347.	2.9	40
79	Nanometer-Scale Chemical Heterogeneities of Black Carbon Materials and Their Impacts on PCB Sorption Properties:Â Soft X-ray Spectromicroscopy Study. Environmental Science & Technology, 2006, 40, 5923-5929.	10.0	39
80	Nanotextures of aragonite in stromatolites from the quasi-marine Satonda crater lake, Indonesia. Geological Society Special Publication, 2010, 336, 211-224.	1.3	37
81	Microbial diversity on the Tatahouine meteorite. Meteoritics and Planetary Science, 2006, 41, 1249-1265.	1.6	35
82	A unique skeletal microstructure of the deepâ€sea micrabaciid scleractinian corals. Journal of Morphology, 2011, 272, 191-203.	1.2	35
83	Magnetotactic Coccus Strain SHHC-1 Affiliated to Alphaproteobacteria Forms Octahedral Magnetite Magnetosomes. Frontiers in Microbiology, 2017, 8, 969.	3.5	35
84	Characterization of Pustular Mats and Related Rivularia-Rich Laminations in Oncoids From the Laguna Negra Lake (Argentina). Frontiers in Microbiology, 2018, 9, 996.	3.5	35
85	Experimental Colonization and Alteration of Orthopyroxene by the Pleomorphic BacteriaRamlibacter tataouinensis. Geomicrobiology Journal, 2004, 21, 341-349.	2.0	34
86	Creating Habitable Zones, at all Scales, from Planets to Mud Micro-Habitats, on Earth and on Mars. Space Science Reviews, 2007, 129, 79-121.	8.1	34
87	Metasomatism and graphite formation at a lithological interface in Malaspina (Alpine Corsica, France). Contributions To Mineralogy and Petrology, 2013, 166, 1687-1708.	3.1	33
88	Evidence of high Ca uptake by cyanobacteria forming intracellular Ca<scp>CO</scp>₃ and impact on their growth. Geobiology, 2019, 17, 676-690.	2.4	33
89	Sequestration of Radionuclides Radium-226 and Strontium-90 by Cyanobacteria Forming Intracellular Calcium Carbonates. Environmental Science & Technology, 2019, 53, 12639-12647.	10.0	33
90	Morphological preservation of carbonaceous plant fossils in blueschist metamorphic rocks from New Zealand. Geobiology, 2012, 10, 118-129.	2.4	32

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91	Comparative metagenomics unveils functions and genome features of microbialiteâ€associated communities along a depth gradient. Environmental Microbiology, 2016, 18, 4990-5004.	3.8	30
92	Mineralogical Diversity in Lake Pavin: Connections with Water Column Chemistry and Biomineralization Processes. Minerals (Basel, Switzerland), 2016, 6, 24.	2.0	29
93	Water, Life, and Planetary Geodynamical Evolution. Space Science Reviews, 2007, 129, 167-203.	8.1	28
94	Variations in cometary dust composition fromGiottotoRosetta, clues to their formation mechanisms. Monthly Notices of the Royal Astronomical Society, 2016, 462, S323-S330.	4.4	28
95	Integrative analysis of the mineralogical and chemical composition of modern microbialites from ten Mexican lakes: What do we learn about their formation?. Geochimica Et Cosmochimica Acta, 2021, 305, 148-184.	3.9	28
96	Geochemical Conditions Allowing the Formation of Modern Lacustrine Microbialites. Procedia Earth and Planetary Science, 2017, 17, 380-383.	0.6	27
97	Comparative mineralogy, organic geochemistry and microbial diversity of the Autun black shale and Graissessac coal (France). International Journal of Coal Geology, 2014, 132, 147-157.	5.0	26
98	Core microbial communities of lacustrine microbialites sampled along an alkalinity gradient. Environmental Microbiology, 2021, 23, 51-68.	3.8	26
99	Low temperature hydrothermal oil and associated biological precursors in serpentinites from Mid-Ocean Ridge. Lithos, 2013, 178, 84-95.	1.4	24
100	Magnetite magnetosome biomineralization in Magnetospirillum magneticum strain AMB-1: A time course study. Chemical Geology, 2019, 530, 119348.	3.3	22
101	Microfossils. Comptes Rendus - Palevol, 2009, 8, 605-615.	0.2	21
102	Intracellular biomineralization in bacteria. Frontiers in Microbiology, 2014, 5, 293.	3.5	21
103	Micro- and nano-textural evidence of Ti(â€“Caâ€“Fe) mobility during fluidâ€“rock interactions in carbonaceous lawsonite-bearing rocks from New Zealand. Contributions To Mineralogy and Petrology, 2012, 164, 895-914.	3.1	20
104	Preservation in microbial mats: mineralization by a talc-like phase of a fish embedded in a microbial sarcophagus. Frontiers in Earth Science, 2015, 3, .	1.8	20
105	In Vitro and in Silico Evidence of Phosphatase Diversity in the Biomineralizing Bacterium Ramlibacter tataouinensis. Frontiers in Microbiology, 2017, 8, 2592.	3.5	20
106	The gammaproteobacterium Achromatium forms intracellular amorphous calcium carbonate and not (crystalline) calcite. Geobiology, 2021, 19, 199-213.	2.4	20
107	Impact of the cyanobacterium Gloeomargarita lithophora on the geochemical cycles of Sr and Ba. Chemical Geology, 2018, 483, 88-97.	3.3	19
108	Formation and transformations of Fe-rich serpentines by asteroidal aqueous alteration processes: A nanoscale study of the Murray chondrite. Geochimica Et Cosmochimica Acta, 2015, 158, 162-178.	3.9	18

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109	Origin and Evolution of the Halo-Volcanic Complex of Dallol: Proto-Volcanism in Northern Afar (Ethiopia). Frontiers in Earth Science, 2020, 7, .	1.8	17
110	Sphaerotilus natans, a Neutrophilic Iron-Related Sheath-Forming Bacterium: Perspectives for Metal Remediation Strategies. Geomicrobiology Journal, 2014, 31, 64-75.	2.0	16
111	Soft x-ray scanning transmission spectromicroscopy. , 2014, , 115-134.		16
112	Why do microbes make minerals?. Comptes Rendus - Geoscience, 2022, 354, 1-39.	1.2	16
113	Cristobalite inclusions in the Tatahouine achondrite: Implications for shock conditions. American Mineralogist, 2002, 87, 1250-1256.	1.9	15
114	The Iron Wheel in Lac Pavin: Interaction with Phosphorus Cycle. , 2016, , 205-220.		14
115	A New Gene Family Diagnostic for Intracellular Biomineralization of Amorphous Ca Carbonates by Cyanobacteria. Genome Biology and Evolution, 2022, 14, .	2.5	14
116	Exceptional preservation requires fast biodegradation: thylacocephalan specimens from La Voulteâ€surâ€RhÃne (Callovian, Jurassic, France). Palaeontology, 2020, 63, 395-413.	2.2	13
117	Mineralogical Identification of Traces of Life. Advances in Astrobiology and Biogeophysics, 2019, , 123-144.	0.6	12
118	Acoustic monitoring of laser-induced phase transitions in minerals: implication for Mars exploration with SuperCam. Scientific Reports, 2021, 11, 24019.	3.3	12
119	Chrysocolla Redefined as Spertiniite. AIP Conference Proceedings, 2007, , .	0.4	11
120	Fe-bearing phases in modern lacustrine microbialites from Mexico. Geochimica Et Cosmochimica Acta, 2019, 253, 201-230.	3.9	11
121	Intracellular silicification by early-branching magnetotactic bacteria. Science Advances, 2022, 8, eabn6045.	10.3	11
122	Detection of biogenic amorphous calcium carbonate (ACC) formed by bacteria using FTIR spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121262.	3.9	10
123	Mineralizations and transition metal mobility driven by organic carbon during low-temperature serpentinization. Lithos, 2018, 323, 262-276.	1.4	9
124	A Genetic Toolbox for the New Model Cyanobacterium Cyanothece PCC 7425: A Case Study for the Photosynthetic Production of Limonene. Frontiers in Microbiology, 2020, 11, 586601.	3.5	9
125	Iron mineralogy across the oxycline of a lignite mine lake. Chemical Geology, 2016, 434, 28-42.	3.3	8
126	Discovery of High Abundances of Aster-Like Nanoparticles in Pelagic Environments: Characterization and Dynamics. Frontiers in Microbiology, 2019, 10, 2376.	3.5	8

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127	Mass collection of magnetotactic bacteria from the permanently stratified ferruginous Lake Pavin, France. Environmental Microbiology, 2022, 24, 721-736.	3.8	7
128	Microscopy study of biologically mediated alteration of natural midâ€oceanic ridge basalts and magnetic implications. Journal of Geophysical Research, 2010, 115, .	3.3	6
129	Archaeal overdominance close to lifeâ€limiting conditions in geothermally influenced hypersaline lakes at the Danakil Depression, Ethiopia. Environmental Microbiology, 2021, 23, 7168-7182.	3.8	6
130	Proteome Response of a Metabolically Flexible Anoxygenic Phototroph to Fe(II) Oxidation. Applied and Environmental Microbiology, 2018, 84, .	3.1	5
131	Cyanobacteria Accumulate Radium (²²⁶Ra) within Intracellular Amorphous Calcium Carbonate Inclusions. ACS ES&T Water, 2022, 2, 616-623.	4.6	5
132	Identification of sulfateâ€reducing magnetotactic bacteria via a groupâ€specific <scp>16S rDNA</scp> primer and correlative fluorescence and electron microscopy: Strategy for cultureâ€independent study. Environmental Microbiology, 2022, 24, 5019-5038.	3.8	5
133	Importance of Prokaryotes in the Functioning and Evolution of the Present and Past Geosphere and Biosphere. , 2018, , 57-129.		4
134	Emerging Frontiers in Geomicrobiology. Elements, 2015, 11, 423-429.	0.5	3
135	Creating Habitable Zones, at all Scales, from Planets to Mud Micro-Habitats, on Earth and on Mars. Space Sciences Series of ISSI, 2007, , 79-121.	0.0	3
136	Biogeochemical Niche of Magnetotactic Cocci Capable of Sequestering Large Polyphosphate Inclusions in the Anoxic Layer of the Lake Pavin Water Column. Frontiers in Microbiology, 2021, 12, 789134.	3.5	3
137	Study of Interactions Between Microbes and Minerals by Scanning Transmission X-Ray Microscopy (STXM). AIP Conference Proceedings, 2007, , .	0.4	2
138	Synchrotron X-ray studies of heavy metal mineral-microbe interactions. Mineralogical Magazine, 2008, 72, 169-173.	1.4	2
139	Biomineralization mechanisms. , 2011, , 450-468.		2
140	Geomicrobiological study of modern microbialites from Mexico: towards a better understanding of the ancient fossil record. BIO Web of Conferences, 2014, 2, 02002.	0.2	2
141	The asteroid-comet continuum from laboratory and space analyses of comet samples and micrometeorites. Proceedings of the International Astronomical Union, 2015, 11, 253-256.	0.0	2
142	Rapid formation of mature microbialites in Lake Alchichica, Mexico. Environmental Microbiology Reports, 2021, 13, 600-605.	2.4	2
143	Successive Modes of Carbonate Precipitation in Microbialites along the Hydrothermal Spring of La Salsa in Laguna Pastos Grandes (Bolivian Altiplano). Geosciences (Switzerland), 2022, 12, 88.	2.2	2
144	Protocols for the Study of Microbeâ€“Mineral Interactions in Modern Microbialites. Springer Protocols, 2015, , 319-341.	0.3	0

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145	Fossilization, Process Of. , 2021, , 1-6.		0
146	Fossilization, Process of. , 2014, , 1-6.		0
147	Biomineralization. , 2014, , 1-3.		0
148	Fossilization, Process of. , 2015, , 886-890.		0
149	Biomineralization. , 2015, , 306-308.		0