R Pamela Reid

List of Publications by Year
in descending order

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49 papers	4,527 citations	185998 28 h-index	197535 49 g-index
52 all docs	52 docs citations	52 times ranked	3302 citing authors

#	Article	IF	Citations
1	Processes of carbonate precipitation in modern microbial mats. Earth-Science Reviews, 2009, 96, 141-162.	4.0	1,229
2	Microscale observations of sulfate reduction: Correlation of microbial activity with lithified micritic laminae in modern marine stromatolites. Geology, 2000, 28, 919.	2.0	326
3	Biodiversity and biogeography of phages in modern stromatolites and thrombolites. Nature, 2008, 452, 340-343.	13.7	251
4	Formation of lithified micritic laminae in modern marine stromatolites (Bahamas); the role of sulfur cycling. American Mineralogist, 1998, 83, 1482-1493.	0.9	250
5	Production and cycling of natural microbial exopolymers (EPS) within a marine stromatolite. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 219, 71-86.	1.0	239
6	Modern marine stromatolites in the Exuma Cays, Bahamas: Uncommonly common. Facies, 1995, 33, 1-17.	0.7	150
7	Autoinducers extracted from microbial mats reveal a surprising diversity of Nâ€acylhomoserine lactones (AHLs) and abundance changes that may relate to diel pH. Environmental Microbiology, 2009, 11, 409-420.	1.8	144
8	Growth morphologies of modern marine stromatolites: A case study from Highborne Cay, Bahamas. Sedimentary Geology, 2006, 185, 319-328.	1.0	143
9	The role of endolithic cyanobacteria in the formation of lithified laminae in Bahamian stromatolites. Sedimentology, 2000, 47, 915-921.	1.6	142
10	Optical remote sensing of benthic habitats and bathymetry in coastal environments at Lee Stocking Island, Bahamas: A comparative spectral classification approach. Limnology and Oceanography, 2003, 48, 511-521.	1.6	132
11	Shark Bay stromatolites: Microfabrics and reinterpretation of origins. Facies, 2003, 49, 299.	0.7	122
12	Molecular and morphological characterization of cyanobacterial diversity in the stromatolites of Highborne Cay, Bahamas. ISME Journal, 2009, 3, 573-587.	4.4	116
13	Isotopic fingerprints of microbial respiration in aragonite from Bahamian stromatolites. Geology, 2006, 34, 973.	2.0	112
14	Bacterially mediated precipitation in marine stromatolites. Environmental Microbiology, 2001, 3, 123-130.	1.8	108
15	Microbial diversity in modern marine stromatolites, Highborne Cay, Bahamas. Environmental Microbiology, 2009, 11, 2710-2719.	1.8	95
16	Intertidal stromatolites in a fringing Holocene reef complex, Bahamas. Geology, 1991, 19, 15.	2.0	83
17	Foraminiferal-Algal Nodules from the Eastern Caribbean: Growth History and Implications on the Value of Nodules as Paleoenvironmental Indicators. Palaios, 1988, 3, 424.	0.6	76
18	Internal precipitation of microcrystalline carbonate: a fundamental problem for sedimentologists. Sedimentary Geology, 1990, 68, 163-170.	1.0	64

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19	Sediment properties influencing upwelling spectral reflectance signatures: The â€œbiofilm gel effectâ€• Limnology and Oceanography, 2003, 48, 431-443.	1.6	53
20	Light-Dependant Biostabilisation of Sediments by Stromatolite Assemblages. PLoS ONE, 2008, 3, e3176.	1.1	50
21	Environmental controls on microbial community cycling in modern marine stromatolites. Sedimentary Geology, 2012, 263-264, 45-55.	1.0	45
22	Microbialites, Modern. Encyclopedia of Earth Sciences Series, 2011, , 617-635.	0.1	44
23	TEM analysis of microbial mediated sedimentation and lithification in modern marine stromatolites. American Mineralogist, 2001, 86, 826-833.	0.9	38
24	Documenting hurricane impacts on coral reefs using two-dimensional video-mosaic technology. Marine Ecology, 2007, 28, 254-258.	0.4	37
25	A Study of the Microbial Spatial Heterogeneity of Bahamian Thrombolites Using Molecular, Biochemical, and Stable Isotope Analyses. Astrobiology, 2017, 17, 413-430.	1.5	37
26	Investigating controls on boron isotope ratios in shallow marine carbonates. Earth and Planetary Science Letters, 2017, 458, 380-393.	1.8	37
27	A microbiolite/algal ridge fringing reef complex, Highborne Cay, Bahamas. Atoll Research Bulletin, 1999, 465, 1-18.	0.2	37
28	Comparative Metagenomics Provides Insight Into the Ecosystem Functioning of the Shark Bay Stromatolites, Western Australia. Frontiers in Microbiology, 2018, 9, 1359.	1.5	34
29	ENVIRONMENTAL PRESSURES INFLUENCING LIVING STROMATOLITES IN HAMELIN POOL, SHARK BAY, WESTERN AUSTRALIA. Palaios, 2016, 31, 483-496.	0.6	33
30	Characterization of the stromatolite microbiome from <scp>L</scp>ittle <scp>D</scp>arby <scp>I</scp>sland, <scp>T</scp>he <scp>B</scp>ahamas using predictive and whole shotgun metagenomic analysis. Environmental Microbiology, 2016, 18, 1452-1469.	1.8	30
31	Effects of microalgal communities on reflectance spectra of carbonate sediments in subtidal optically shallow marine environments. Limnology and Oceanography, 2003, 48, 535-546.	1.6	28
32	Stromatolite Provinces of Hamelin Pool: Physiographic Controls On Stromatolites and Associated Lithofacies. Journal of Sedimentary Research, 2019, 89, 207-226.	0.8	28
33	Upper Triassic sponges (Sphinctozoa) from southern Yukon, Stikinia terrane. Canadian Journal of Earth Sciences, 1987, 24, 882-902.	0.6	26
34	Bidirectional reflectance measurements of sediments in the vicinity of Lee Stocking Island, Bahamas. Limnology and Oceanography, 2003, 48, 380-389.	1.6	26
35	The Microbial Communities of the Modern Marine Stromatolites at Highborne Cay, Bahamas. Atoll Research Bulletin, 2009, , 1-29.	0.2	25
36	Evaluation of shallow-water carbonates as a seawater zinc isotope archive. Earth and Planetary Science Letters, 2021, 553, 116599.	1.8	20

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37	Living Dendrolitic Microbial Mats in Hamelin Pool, Shark Bay, Western Australia. Geosciences (Switzerland), 2018, 8, 212.	1.0	19
38	Microelectrode Measurements in Stromatolites: Unraveling the Earth's Past?. ACS Symposium Series, 2002, , 265-282.	0.5	18
39	Sedimentation in forearc basins, trenches, and collision zones of the western Pacific: A summary of results from the Ocean Drilling Program. Geophysical Monograph Series, 1995, , 315-353.	0.1	15
40	Stromatolites, so what?! A tribute to Robert N. Ginsburg. Depositional Record, 2019, 5, 486-497.	0.8	15
41	Modern Marine Stromatolites of Little Darby Island, Exuma Archipelago, Bahamas: Environmental Setting, Accretion Mechanisms and Role of Euendoliths. Lecture Notes in Earth Sciences, 2011, , 77-89.	0.5	14
42	Production and cycling of natural microbial exopolymers (EPS) within a marine stromatolite. , 2005, , 71-86.		11
43	Modern stromatolite phototrophic communities: a comparative study of procaryote and eucaryote phototrophs using variable chlorophyll fluorescence. FEMS Microbiology Ecology, 2012, 82, 584-596.	1.3	5
44	Biodynamics of Modern Marine Stromatolites. Cellular Origin and Life in Extreme Habitats, 2010, , 223-235.	0.3	4
45	Physical, chemical, and microbial feedbacks controlling brine geochemistry and lake morphology in polyextreme salar environments. Science of the Total Environment, 2022, 836, 155378.	3.9	4
46	Environmental and Biological Controls on Sedimentary Bottom Types in the Puquios of the Salar de Llamara, Northern Chile. Geosciences (Switzerland), 2022, 12, 247.	1.0	3
47	Editorial: Characterizing Modern Microbialites and the Geobiological Processes Underlying Their Formation. Frontiers in Microbiology, 2019, 10, 2299.	1.5	2
48	Stromatolites, Biosignatures, and Astrobiological Implications. Cuatro Ciènegas Basin: an Endangered Hyperdiverse Oasis, 2020, , 89-105.	0.4	2
49	Ooid Accreting Diatom Communities from the Modern Marine Stromatolites at Highborne Cay, Bahamas. Cellular Origin and Life in Extreme Habitats, 2010, , 275-285.	0.3	1