Jennifer L Macalady

List of Publications by Year
in descending order

62	3,767	126907	133252
papers	citations	33 h-index	59 g-index

65	65	65	4603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional redundancy imparts process stability to acidic Fe(<scp>II</scp>)â€oxidizing microbial reactors. Environmental Microbiology, 2021, 23, 3682-3694.	3.8	6
2	Organic Stabilization of Extracellular Elemental Sulfur in a Sulfurovum-Rich Biofilm: A New Role for Extracellular Polymeric Substances?. Frontiers in Microbiology, 2021, 12, 720101.	3.5	9
3	Versatile cyanobacteria control the timing and extent of sulfide production in a Proterozoic analog microbial mat. ISME Journal, 2020, 14, 3024-3037.	9.8	14
4	Metagenomic and Metatranscriptomic Study of Microbial Metal Resistance in an Acidic Pit Lake. Microorganisms, 2020, 8, 1350.	3.6	15
5	Another chemolithotrophic metabolism missing in nature: sulfur comproportionation. Environmental Microbiology, 2020, 22, 1971-1976.	3.8	16
6	Microbial population structure in a stratified, acidic pit lake in the Iberian Pyrite Belt. Geomicrobiology Journal, 2020, 37, 623-634.	2.0	12
7	Low frequency Raman Spectroscopy for micron-scale and in vivo characterization of elemental sulfur in microbial samples. Scientific Reports, 2019, 9, 7971.	3.3	90
8	The Frasassi Caves, Italy. , 2019, , 435-443.		3
9	Elemental Sulfur Formation by Sulfuricurvum kujiense Is Mediated by Extracellular Organic Compounds. Frontiers in Microbiology, 2019, 10, 2710.	3.5	31
10	Cyanobacterial photosynthesis under sulfidic conditions: insights from the isolate Leptolyngbya sp. strain hensonii. ISME Journal, 2018, 12, 568-584.	9.8	50
11	Transport-Induced Spatial Patterns of Sulfur Isotopes (Î´³⁴S) as Biosignatures. Astrobiology, 2018, 18, 59-72.	3.0	19
12	The influence of pressure on crude oil biodegradation in shallow and deep Gulf of Mexico sediments. PLoS ONE, 2018, 13, e0199784.	2.5	25
13	Low-Light Anoxygenic Photosynthesis and Fe-S-Biogeochemistry in a Microbial Mat. Frontiers in Microbiology, 2018, 9, 858.	3.5	19
14	Efficient Low-pH Iron Removal by a Microbial Iron Oxide Mound Ecosystem at Scalp Level Run. Applied and Environmental Microbiology, 2017, 83, .	3.1	20
15	Oxygenic and anoxygenic photosynthesis in a microbial mat from an anoxic and sulfidic spring. Environmental Microbiology, 2017, 19, 1251-1265.	3.8	18
16	Microbial communities and organic biomarkers in a Proterozoicâ€analog sinkhole. Geobiology, 2017, 15, 784-797.	2.4	14
17	Bioreactors for low-pH iron(<scp>ii</scp>) oxidation remove considerable amounts of total iron. RSC Advances, 2017, 7, 35962-35972.	3.6	25
18	Carbon and Sulfur Cycling below the Chemocline in a Meromictic Lake and the Identification of a Novel Taxonomic Lineage in the FCB Superphylum, Candidatus Aegiribacteria. Frontiers in Microbiology, 2016, 7, 598.	3.5	51

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19	Draft Genome Sequence of Lampenflora Chlorobium limicola Strain Frasassi in a Sulfidic Cave System. Genome Announcements, 2016, 4, .	0.8	4
20	Biogeography of sulfur-oxidizing Acidithiobacillus populations in extremely acidic cave biofilms. ISME Journal, 2016, 10, 2879-2891.	9.8	38
21	Geochemical and Temporal Influences on the Enrichment of Acidophilic Iron-Oxidizing Bacterial Communities. Applied and Environmental Microbiology, 2016, 82, 3611-3621.	3.1	46
22	Calcium isotopic fractionation in microbially mediated gypsum precipitates. Geochimica Et Cosmochimica Acta, 2016, 184, 114-131.	3.9	37
23	The Snotty and the Stringy: Energy for Subsurface Life in Caves. Advances in Environmental Microbiology, 2016, , 203-224.	0.3	21
24	The role of biology in planetary evolution: cyanobacterial primary production in lowâ€oxygen Proterozoic oceans. Environmental Microbiology, 2016, 18, 325-340.	3.8	151
25	Sulfur isotope values in the sulfidic Frasassi cave system, central Italy: A case study of a chemolithotrophic S-based ecosystem. Geochimica Et Cosmochimica Acta, 2016, 173, 373-386.	3.9	37
26	Structure and function of natural sulphide-oxidizing microbial mats under dynamic input of light and chemical energy. ISME Journal, 2016, 10, 921-933.	9.8	32
27	Draft Genome Sequence of the Piezotolerant and Crude Oil-Degrading Bacterium Rhodococcus qingshengii Strain TUHH-12. Genome Announcements, 2015, 3, .	0.8	8
28	Metabolic diversity and ecological niches of Achromatium populations revealed with single-cell genomic sequencing. Frontiers in Microbiology, 2015, 6, 822.	3.5	20
29	Geochemical Niches of Iron-Oxidizing Acidophiles in Acidic Coal Mine Drainage. Applied and Environmental Microbiology, 2015, 81, 1242-1250.	3.1	68
30	Fate of sulfide in the Frasassi cave system and implications for sulfuric acid speleogenesis. Chemical Geology, 2015, 410, 21-27.	3.3	27
31	Metagenomic Evidence for Sulfide Oxidation in Extremely Acidic Cave Biofilms. Geomicrobiology Journal, 2014, 31, 194-204.	2.0	41
32	Coupled reductive and oxidative sulfur cycling in the phototrophic plate of a meromictic lake. Geobiology, 2014, 12, 451-468.	2.4	45
33	Metagenomic insights into S(0) precipitation in a terrestrial subsurface lithoautotrophic ecosystem. Frontiers in Microbiology, 2014, 5, 756.	3.5	75
34	Anaerobic biodegradation of the isoprenoid biomarkers pristane and phytane. Organic Geochemistry, 2013, 65, 118-126.	1.8	28
35	Energy, ecology and the distribution of microbial life. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120383.	4.0	28
36	Hydrogeochemical niches associated with hyporheic exchange beneath an acid mine drainage-contaminated stream. Journal of Hydrology, 2013, 501, 163-174.	5.4	10

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37	Quantitative Fluorescence In Situ Hybridization Analysis of Microbial Consortia from a Biogenic Gas Field in Alaska's Cook Inlet Basin. Applied and Environmental Microbiology, 2012, 78, 3599-3605.	3.1	67
38	Molecular characterization of core lipids from halophilic archaea grown under different salinity conditions. Organic Geochemistry, 2012, 48, 1-8.	1.8	68
39	Anaerobic photosynthetic ecosystems. Geobiology, 2012, 10, 193-195.	2.4	1
40	Community genomic analysis of an extremely acidophilic sulfur-oxidizing biofilm. ISME Journal, 2012, 6, 158-170.	9.8	171
41	Biogeochemistry of Microbial Coal-Bed Methane. Annual Review of Earth and Planetary Sciences, 2011, 39, 617-656.	11.0	366
42	Carotenoid biomarkers as an imperfect reflection of the anoxygenic phototrophic community in meromictic Fayetteville Green Lake. Geobiology, 2011, 9, 321-329.	2.4	52
43	Microbial hotspots in anchialine blue holes: initial discoveries from the Bahamas. Hydrobiologia, 2011, 677, 149-156.	2.0	53
44	Application of a Depositional F acies Model to an Acid Mine Drainage Site. Applied and Environmental Microbiology, 2011, 77, 545-554.	3.1	43
45	Shifting microbial community structure across a marine terrace grassland chronosequence, Santa Cruz, California. Soil Biology and Biochemistry, 2010, 42, 21-31.	8.8	38
46	Community Structure of Subsurface Biofilms in the Thermal Sulfidic Caves of Acquasanta Terme, Italy. Applied and Environmental Microbiology, 2010, 76, 5902-5910.	3.1	72
47	A novel symbiosis between chemoautotrophic bacteria and a freshwater cave amphipod. ISME Journal, 2009, 3, 935-943.	9.8	111
48	Niche differentiation among sulfur-oxidizing bacterial populations in cave waters. ISME Journal, 2008, 2, 590-601.	9.8	175
49	Methane-Producing Microbial Community in a Coal Bed of the Illinois Basin. Applied and Environmental Microbiology, 2008, 74, 3918-3918.	3.1	9
50	Methane-Producing Microbial Community in a Coal Bed of the Illinois Basin. Applied and Environmental Microbiology, 2008, 74, 2424-2432.	3.1	246
51	Rainfall limit of the N cycle on Earth. Global Biogeochemical Cycles, 2007, 21, .	4.9	64
52	Soil Microbial Fingerprints, Carbon, and Nitrogen in a Mojave Desert Creosote-Bush Ecosystem. Soil Science Society of America Journal, 2007, 71, 469-475.	2.2	43
53	Extremely acidic, pendulous cave wall biofilms from the Frasassi cave system, Italy. Environmental Microbiology, 2007, 9, 1402-1414.	3.8	156
54	Dominant Microbial Populations in Limestone-Corroding Stream Biofilms, Frasassi Cave System, Italy. Applied and Environmental Microbiology, 2006, 72, 5596-5609.	3.1	177

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55	Tetraether-linked membrane monolayers in Ferroplasma spp: a key to survival in acid. Extremophiles, 2004, 8, 411-419.	2.3	150
56	Molecular geomicrobiology: genes and geochemical cycling. Earth and Planetary Science Letters, 2003, 209, 1-17.	4.4	46
57	Population dynamics of type I and II methanotrophic bacteria in rice soils. Environmental Microbiology, 2002, 4, 148-157.	3.8	91
58	Estimation of methanotroph abundance in a freshwater lake sediment. Environmental Microbiology, 2002, 4, 443-450.	3.8	89
59	Sediment Microbial Community Structure and Mercury Methylation in Mercury-Polluted Clear Lake, California. Applied and Environmental Microbiology, 2000, 66, 1479-1488.	3.1	140
60	Linking Toluene Degradation with Specific Microbial Populations in Soil. Applied and Environmental Microbiology, 1999, 65, 5403-5408.	3.1	94
61	Effects of Metam Sodium Fumigation on Soil Microbial Activity and Community Structure. Journal of Environmental Quality, 1998, 27, 54-63.	2.0	88
62	Novel Microorganisms Contribute to Biosulfidogenesis in the Deep Layer of an Acidic Pit Lake. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	3