

# Matthew B Stott

## List of Publications by Year in descending order

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52  
papers

5,333  
citations

159585

30  
h-index

175258

52  
g-index

57  
all docs

57  
docs citations

57  
times ranked

6245  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unique Geothermal Chemistry Shapes Microbial Communities on Mt. Erebus, Antarctica. <i>Frontiers in Microbiology</i> , 2022, 13, 836943.	3.5	3
2	An essential role for tungsten in the ecology and evolution of a previously uncultivated lineage of anaerobic, thermophilic Archaea. <i>Nature Communications</i> , 2022, 13, .	12.8	16
3	Seasonal hydrologic and geologic forcing drive hot spring geochemistry and microbial biodiversity. <i>Environmental Microbiology</i> , 2021, 23, 4034-4053.	3.8	17
4	Draft Genome Sequence of <i>Limisphaera ngatamarikiensis</i> NGM72.4 <sup>T</sup> , a Moderately Alkaliphilic Thermophile Belonging to the Class <i>Verrucomicrobiae</i> . <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	2
5	Genome-Resolved Metagenomics and Detailed Geochemical Speciation Analyses Yield New Insights into Microbial Mercury Cycling in Geothermal Springs. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	19
6	Roadmap for naming uncultivated Archaea and Bacteria. <i>Nature Microbiology</i> , 2020, 5, 987-994.	13.3	115
7	Rights, interests and expectations: Indigenous perspectives on unrestricted access to genomic data. <i>Nature Reviews Genetics</i> , 2020, 21, 377-384.	16.3	141
8	Thermophilic methanotrophs: in hot pursuit. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	18
9	Two Chloroflexi classes independently evolved the ability to persist on atmospheric hydrogen and carbon monoxide. <i>ISME Journal</i> , 2019, 13, 1801-1813.	9.8	129
10	A new symbiotic nanoarchaeote ( <i>Candidatus Nanoclepta minutus</i> ) and its host ( <i>Zestosphaera</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 2019, 42, 94-106.	2.8	76
11	The ecology and diversity of microbial eukaryotes in geothermal springs. <i>ISME Journal</i> , 2018, 12, 1918-1928.	9.8	42
12	Marine-influenced microbial communities inhabit terrestrial hot springs on a remote island volcano. <i>Extremophiles</i> , 2018, 22, 687-698.	2.3	10
13	A metabolic and genomic assessment of sugar fermentation profiles of the thermophilic Thermotogales, <i>Fervidobacterium pennivorans</i> . <i>Extremophiles</i> , 2018, 22, 965-974.	2.3	6
14	Microbial biogeography of 925 geothermal springs in New Zealand. <i>Nature Communications</i> , 2018, 9, 2876.	12.8	163
15	Interaction between ferruginous clay sediment and an iron-reducing hyperthermophilic <i>Pyrobaculum</i> sp. in a terrestrial hot spring. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	2
16	Genome mining, isolation, chemical synthesis and biological evaluation of a novel lanthipeptide, tikitericin, from the extremophilic microorganism <i>Thermogemmatispora</i> strain T81. <i>Chemical Science</i> , 2018, 9, 7311-7317.	7.4	23
17	Microbial community dynamics in Inferno Crater Lake, a thermally fluctuating geothermal spring. <i>ISME Journal</i> , 2017, 11, 1158-1167.	9.8	53
18	Asgard archaea illuminate the origin of eukaryotic cellular complexity. <i>Nature</i> , 2017, 541, 353-358.	27.8	882

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19	Mixotrophy drives niche expansion of verrucomicrobial methanotrophs. <i>ISME Journal</i> , 2017, 11, 2599-2610.	9.8	107
20	Atmospheric trace gases support primary production in Antarctic desert surface soil. <i>Nature</i> , 2017, 552, 400-403.	27.8	290
21	The methanogenic redox cofactor F420 is widely synthesized by aerobic soil bacteria. <i>ISME Journal</i> , 2017, 11, 125-137.	9.8	66
22	Cofactor Tail Length Modulates Catalysis of Bacterial F420-Dependent Oxidoreductases. <i>Frontiers in Microbiology</i> , 2017, 8, 1902.	3.5	15
23	The <i>Chthonomonas calidirosea</i> Genome Is Highly Conserved across Geographic Locations and Distinct Chemical and Microbial Environments in New Zealand's Taupo Volcanic Zone. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3572-3581.	3.1	9
24	Genomic and metagenomic surveys of hydrogenase distribution indicate H <sub>2</sub> is a widely utilised energy source for microbial growth and survival. <i>ISME Journal</i> , 2016, 10, 761-777.	9.8	503
25	Complete genome sequence of the thermophilic Acidobacteria, <i>Pyrinomonas methylaliphatogenes</i> type strain K22T. <i>Standards in Genomic Sciences</i> , 2015, 10, 101.	1.5	17
26	<i>Limisphaera ngatamarikiensis</i> gen. nov., sp. nov., a thermophilic, pink-pigmented coccus isolated from subaqueous mud of a geothermal hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1114-1121.	1.7	20
27	Temperature and pH control on lipid composition of silica sinters from diverse hot springs in the Taupo Volcanic Zone, New Zealand. <i>Extremophiles</i> , 2015, 19, 327-344.	2.3	28
28	Novel Long-Chain Diol Phospholipids from Some Bacteria Belonging to the Class <i>Thermomicrobia</i> . <i>Lipids</i> , 2015, 50, 303-311.	1.7	2
29	Persistence of the dominant soil phylum <i>Acidobacteria</i> by trace gas scavenging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10497-10502.	7.1	117
30	<i>Thermorudis pharmacophila</i> sp. nov., a novel member of the class <i>Thermomicrobia</i> isolated from geothermal soil, and emended descriptions of <i>Thermomicrobium roseum</i> , <i>Thermomicrobium carboxidum</i> , <i>Thermorudis peleae</i> and <i>Sphaerobacter thermophilus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 4479-4487.	1.7	32
31	Microbial contributions to coupled arsenic and sulfur cycling in the acid-sulfide hot spring Champagne Pool, New Zealand. <i>Frontiers in Microbiology</i> , 2014, 5, 569.	3.5	32
32	<i>Thermoflavifilum aggregans</i> gen. nov., sp. nov., a thermophilic and slightly halophilic filamentous bacterium from the phylum Bacteroidetes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 1264-1270.	1.7	39
33	Distribution and diversity of <i>Verrucomicrobia</i> methanotrophs in geothermal and acidic environments. <i>Environmental Microbiology</i> , 2014, 16, 1867-1878.	3.8	132
34	Humboldt's spa: microbial diversity is controlled by temperature in geothermal environments. <i>ISME Journal</i> , 2014, 8, 1166-1174.	9.8	186
35	The Identification and Quantification of Phospholipids from <i>Thermus</i> and <i>Meiothermus</i> Bacteria. <i>Lipids</i> , 2014, 49, 1133-1141.	1.7	8
36	Genomic analysis of <i>Chthonomonas calidirosea</i> , the first sequenced isolate of the phylum <i>Armatimonadetes</i> . <i>ISME Journal</i> , 2014, 8, 1522-1533.	9.8	39

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37	Ether- and Ester-Bound <i>iso</i> -Diabolic Acid and Other Lipids in Members of Acidobacteria Subdivision 4. Applied and Environmental Microbiology, 2014, 80, 5207-5218.	3.1	112
38	The Phylum Armatimonadetes. , 2014, , 447-458.		24
39	Detection of autotrophic verrucomicrobial methanotrophs in a geothermal environment using stable isotope probing. Frontiers in Microbiology, 2012, 3, 303.	3.5	55
40	Electing a candidate: a speculative history of the bacterial phylum OP10. Environmental Microbiology, 2012, 14, 3069-3080.	3.8	34
41	<i>Chthonomonas calidirosea</i> gen. nov., sp. nov., an aerobic, pigmented, thermophilic micro-organism of a novel bacterial class, Chthonomonadetes classis nov., of the newly described phylum Armatimonadetes originally designated candidate division OP10. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2482-2490.	1.7	75
42	Hell's Gate globin I: An acid and thermostable bacterial hemoglobin resembling mammalian neuroglobin. FEBS Letters, 2011, 585, 3250-3258.	2.8	29
43	Complete Genome Sequence of the Aerobic Facultative Methanotroph <i>Methylocella silvestris</i> BL2. Journal of Bacteriology, 2010, 192, 3840-3841.	2.2	79
44	Complete Genome Sequence of <i>Beijerinckia indica</i> subsp. <i>indica</i> . Journal of Bacteriology, 2010, 192, 4532-4533.	2.2	19
45	Variability in Microbial Communities in Black Smoker Chimneys at the NW Caldera Vent Field, Brothers Volcano, Kermadec Arc. Geomicrobiology Journal, 2009, 26, 552-569.	2.0	46
46	Environmental, genomic and taxonomic perspectives on methanotrophic <i>Verrucomicrobia</i> . Environmental Microbiology Reports, 2009, 1, 293-306.	2.4	431
47	Isolation of novel bacteria, including a candidate division, from geothermal soils in New Zealand. Environmental Microbiology, 2008, 10, 2030-2041.	3.8	169
48	Complete genome sequence of the extremely acidophilic methanotroph isolate V4, <i>Methylacidiphilum infernorum</i> , a representative of the bacterial phylum Verrucomicrobia. Biology Direct, 2008, 3, 26.	4.6	216
49	Encapsulated in silica: genome, proteome and physiology of the thermophilic bacterium <i>Anoxybacillus flavithermus</i> WK1. Genome Biology, 2008, 9, R161.	9.6	71
50	Relating Microbial Community and Physicochemical Parameters of a Hot Spring: Champagne Pool, Wai-o-tapu, New Zealand. Geomicrobiology Journal, 2008, 25, 441-453.	2.0	23
51	Organic complexation of copper in deep-sea hydrothermal vent systems. Environmental Chemistry, 2007, 4, 81.	1.5	61
52	Methane oxidation by an extremely acidophilic bacterium of the phylum Verrucomicrobia. Nature, 2007, 450, 879-882.	27.8	526