

# Matthew B Stott

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3392947/publications.pdf>

Version: 2024-02-01

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	Asgard archaea illuminate the origin of eukaryotic cellular complexity. <i>Nature</i> , 2017, 541, 353-358.	27.8	882
2	Methane oxidation by an extremely acidophilic bacterium of the phylum Verrucomicrobia. <i>Nature</i> , 2007, 450, 879-882.	27.8	526
3	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
4	Environmental, genomic and taxonomic perspectives on methanotrophic <i>Verrucomicrobia</i> . <i>Environmental Microbiology Reports</i> , 2009, 1, 293-306.	2.4	431
5	Atmospheric trace gases support primary production in Antarctic desert surface soil. <i>Nature</i> , 2017, 552, 400-403.	27.8	290
6	Complete genome sequence of the extremely acidophilic methanotroph isolate V4, <i>Methylacidiphilum infernorum</i> , a representative of the bacterial phylum Verrucomicrobia. <i>Biology Direct</i> , 2008, 3, 26.	4.6	216
7	Humboldt's spa: microbial diversity is controlled by temperature in geothermal environments. <i>ISME Journal</i> , 2014, 8, 1166-1174.	9.8	186
8	Isolation of novel bacteria, including a candidate division, from geothermal soils in New Zealand. <i>Environmental Microbiology</i> , 2008, 10, 2030-2041.	3.8	169
9	Microbial biogeography of 925 geothermal springs in New Zealand. <i>Nature Communications</i> , 2018, 9, 2876.	12.8	163
10	Rights, interests and expectations: Indigenous perspectives on unrestricted access to genomic data. <i>Nature Reviews Genetics</i> , 2020, 21, 377-384.	16.3	141
11	Distribution and diversity of <i>Verrucomicrobia</i> methanotrophs in geothermal and acidic environments. <i>Environmental Microbiology</i> , 2014, 16, 1867-1878.	3.8	132
12	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
13	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
14	Roadmap for naming uncultivated Archaea and Bacteria. <i>Nature Microbiology</i> , 2020, 5, 987-994.	13.3	115
15	Ether- and Ester-Bound <i>iso</i> -Diabolic Acid and Other Lipids in Members of <i>Acidobacteria</i> Subdivision 4. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5207-5218.	3.1	112
16	Mixotrophy drives niche expansion of verrucomicrobial methanotrophs. <i>ISME Journal</i> , 2017, 11, 2599-2610.	9.8	107
17	Complete Genome Sequence of the Aerobic Facultative Methanotroph <i>Methylocella silvestris</i> BL2. <i>Journal of Bacteriology</i> , 2010, 192, 3840-3841.	2.2	79
18	A new symbiotic nanoarchaeote ( <i>Candidatus Nanoclepta minutus</i> ) and its host ( <i>Zestosphaera</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 2019, 42, 94-106.	2.8	76

#	ARTICLE	IF	CITATIONS
19	<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. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 2482-2490.	1.7	75
20	Encapsulated in silica: genome, proteome and physiology of the thermophilic bacterium <i>Anoxybacillus flavithermus</i> WK1. <i>Genome Biology</i> , 2008, 9, R161.	9.6	71
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	Organic complexation of copper in deep-sea hydrothermal vent systems. <i>Environmental Chemistry</i> , 2007, 4, 81.	1.5	61
23	Detection of autotrophic verrucomicrobial methanotrophs in a geothermal environment using stable isotope probing. <i>Frontiers in Microbiology</i> , 2012, 3, 303.	3.5	55
24	Microbial community dynamics in Inferno Crater Lake, a thermally fluctuating geothermal spring. <i>ISME Journal</i> , 2017, 11, 1158-1167.	9.8	53
25	Variability in Microbial Communities in Black Smoker Chimneys at the NW Caldera Vent Field, Brothers Volcano, Kermadec Arc. <i>Geomicrobiology Journal</i> , 2009, 26, 552-569.	2.0	46
26	The ecology and diversity of microbial eukaryotes in geothermal springs. <i>ISME Journal</i> , 2018, 12, 1918-1928.	9.8	42
27	<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
28	Genomic analysis of <i>Chthonomonas calidirosea</i> , the first sequenced isolate of the phylum Armatimonadetes. <i>ISME Journal</i> , 2014, 8, 1522-1533.	9.8	39
29	Electing a candidate: a speculative history of the bacterial phylum OP10. <i>Environmental Microbiology</i> , 2012, 14, 3069-3080.	3.8	34
30	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
31	<i>Thermorudis pharmacophila</i> sp. nov., a novel member of the class Thermomicrobia 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
32	Hell's Gate globin I: An acid and thermostable bacterial hemoglobin resembling mammalian neuroglobin. <i>FEBS Letters</i> , 2011, 585, 3250-3258.	2.8	29
33	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
34	The Phylum Armatimonadetes. , 2014, , 447-458.		24
35	Relating Microbial Community and Physicochemical Parameters of a Hot Spring: Champagne Pool, Wai-o-tapu, New Zealand. <i>Geomicrobiology Journal</i> , 2008, 25, 441-453.	2.0	23
36	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

#	ARTICLE	IF	CITATIONS
37	Limisphaera ngatamarikiensis gen. nov., sp. nov., a thermophilic, pink-pigmented coccus isolated from subaqueous mud of a geothermal hot spring. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1114-1121.	1.7	20
38	Complete Genome Sequence of <i>Beijerinckia indica</i> subsp. <i>indica</i> . Journal of Bacteriology, 2010, 192, 4532-4533.	2.2	19
39	Genome-Resolved Metagenomics and Detailed Geochemical Speciation Analyses Yield New Insights into Microbial Mercury Cycling in Geothermal Springs. Applied and Environmental Microbiology, 2020, 86, .	3.1	19
40	Thermophilic methanotrophs: in hot pursuit. FEMS Microbiology Ecology, 2019, 95, .	2.7	18
41	Complete genome sequence of the thermophilic Acidobacteria, Pyrinomonas methylaliphatogenes type strain K22T. Standards in Genomic Sciences, 2015, 10, 101.	1.5	17
42	Seasonal hydrologic and geologic forcing drive hot spring geochemistry and microbial biodiversity. Environmental Microbiology, 2021, 23, 4034-4053.	3.8	17
43	An essential role for tungsten in the ecology and evolution of a previously uncultivated lineage of anaerobic, thermophilic Archaea. Nature Communications, 2022, 13, .	12.8	16
44	Cofactor Tail Length Modulates Catalysis of Bacterial F420-Dependent Oxidoreductases. Frontiers in Microbiology, 2017, 8, 1902.	3.5	15
45	Marine-influenced microbial communities inhabit terrestrial hot springs on a remote island volcano. Extremophiles, 2018, 22, 687-698.	2.3	10
46	The Chthonomonas calidirosea Genome Is Highly Conserved across Geographic Locations and Distinct Chemical and Microbial Environments in New Zealand's TaupÅ•Volcanic Zone. Applied and Environmental Microbiology, 2016, 82, 3572-3581.	3.1	9
47	The Identification and Quantification of Phospholipids from <i>Thermus</i> and <i>Meiothermus</i> Bacteria. Lipids, 2014, 49, 1133-1141.	1.7	8
48	A metabolic and genomic assessment of sugar fermentation profiles of the thermophilic Thermotogales, Fervidobacterium pennivorans. Extremophiles, 2018, 22, 965-974.	2.3	6
49	Unique Geothermal Chemistry Shapes Microbial Communities on Mt. Erebus, Antarctica. Frontiers in Microbiology, 2022, 13, 836943.	3.5	3
50	Novel Long-Chain Diol Phospholipids from Some Bacteria Belonging to the Class <i>Thermomicrobia</i> . Lipids, 2015, 50, 303-311.	1.7	2
51	Interaction between ferruginous clay sediment and an iron-reducing hyperthermophilic Pyrobaculum sp. in a terrestrial hot spring. FEMS Microbiology Ecology, 2018, 94, .	2.7	2
52	Draft Genome Sequence of Limisphaera ngatamarikiensis NGM72.4 <sup>T</sup> , a Moderately Alkaliphilic Thermophile Belonging to the Class <i>Verrucomicrobiae</i> . Microbiology Resource Announcements, 2020, 9, .	0.6	2