Anja Spang

List of Publications by Year
in descending order

46 papers	7,067 citations	159585 30 h-index	206112 48 g-index
59 all docs	59 docs citations	59 times ranked	6700 citing authors

#	Article	IF	Citations
1	Complex archaea that bridge the gap between prokaryotes and eukaryotes. Nature, 2015, 521, 173-179.	27.8	995
2	Asgard archaea illuminate the origin of eukaryotic cellular complexity. Nature, 2017, 541, 353-358.	27.8	882
3	<i>Nitrososphaera viennensis</i> , an ammonia oxidizing archaeon from soil. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8420-8425.	7.1	810
4	Distinct gene set in two different lineages of ammonia-oxidizing archaea supports the phylum Thaumarchaeota. Trends in Microbiology, 2010, 18, 331-340.	7.7	431
5	Archaea in Biogeochemical Cycles. Annual Review of Microbiology, 2013, 67, 437-457.	7.3	393
6	Archaea and the origin of eukaryotes. Nature Reviews Microbiology, 2017, 15, 711-723.	28.6	388
7	The genome of the ammoniaâ€oxidizing <i><scp>C</scp>andidatus</i><scp>N</scp>itrososphaera gargensis: insights into metabolic versatility and environmental adaptations. Environmental Microbiology, 2012, 14, 3122-3145.	3.8	332
8	Methylotrophic methanogenic Thermoplasmata implicated in reduced methane emissions from bovine rumen. Nature Communications, 2013, 4, 1428.	12.8	328
9	Genomic exploration of the diversity, ecology, and evolution of the archaeal domain of life. Science, 2017, 357, .	12.6	247
10	Integrative modeling of gene and genome evolution roots the archaeal tree of life. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4602-E4611.	7.1	232
11	Genomic diversity, lifestyles and evolutionary origins of DPANN archaea. FEMS Microbiology Letters, 2019, 366, .	1.8	167
12	Asgard archaea capable of anaerobic hydrocarbon cycling. Nature Communications, 2019, 10, 1822.	12.8	165
13	Proposal of the reverse flow model for the origin of the eukaryotic cell based on comparative analyses of Asgard archaeal metabolism. Nature Microbiology, 2019, 4, 1138-1148.	13.3	143
14	A rooted phylogeny resolves early bacterial evolution. Science, 2021, 372, .	12.6	128
15	Roadmap for naming uncultivated Archaea and Bacteria. Nature Microbiology, 2020, 5, 987-994.	13.3	115
16	Asgard archaea are the closest prokaryotic relatives of eukaryotes. PLoS Genetics, 2018, 14, e1007080.	3.5	114
17	Undinarchaeota illuminate DPANN phylogeny and the impact of gene transfer on archaeal evolution. Nature Communications, 2020, 11, 3939.	12.8	102
18	Virus Genomes from Deep Sea Sediments Expand the Ocean Megavirome and Support Independent Origins of Viral Gigantism. MBio, 2019, 10, .	4.1	85

#	Article	IF	Citations
19	Variability of the transporter gene complement in ammonia-oxidizing archaea. Trends in Microbiology, 2014, 22, 665-675.	7.7	81
20	Genome Sequence of the Arctic Methanotroph Methylobacter tundripaludum SV96. Journal of Bacteriology, 2011, 193, 6418-6419.	2.2	78
21	Tracing the Archaeal Origins of Eukaryotic Membrane-Trafficking System Building Blocks. Molecular Biology and Evolution, 2016, 33, 1528-1541.	8.9	77
22	The Emergence of Life. Space Science Reviews, 2019, 215, 1.	8.1	53
23	Marine Sediments Illuminate Chlamydiae Diversity and Evolution. Current Biology, 2020, 30, 1032-1048.e7.	3.9	52
24	A thaumarchaeal provirus testifies for an ancient association of tailed viruses with archaea. Biochemical Society Transactions, 2011, 39, 82-88.	3.4	50
25	Metagenomics of Kamchatkan hot spring filaments reveal two new major (hyper)thermophilic lineages related to Thaumarchaeota. Research in Microbiology, 2013, 164, 425-438.	2.1	46
26	An estimate of the deepest branches of the tree of life from ancient vertically evolving genes. ELife, 2022, 11, .	6.0	43
27	Metagenomic Analysis of Ammonia-Oxidizing Archaea Affiliated with the Soil Group. Frontiers in Microbiology, 2012, 3, 208.	3.5	41
28	Exploring microbial dark matter to resolve the deep archaeal ancestry of eukaryotes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140328.	4.0	40
29	An archaeal symbiont-host association from the deep terrestrial subsurface. ISME Journal, 2019, 13, 2135-2139.	9.8	39
30	Hikarchaeia demonstrate an intermediate stage in the methanogen-to-halophile transition. Nature Communications, 2020, 11, 5490.	12.8	39
31	Complex Evolutionary History of Translation Elongation Factor 2 and Diphthamide Biosynthesis in Archaea and Parabasalids. Genome Biology and Evolution, 2018, 10, 2380-2393.	2.5	37
32	Complex subsurface hydrothermal fluid mixing at a submarine arc volcano supports distinct and highly diverse microbial communities. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32627-32638.	7.1	36
33	Symbiosis in the microbial world: from ecology to genome evolution. Biology Open, 2018, 7, .	1.2	34
34	Genomes of two archaeal endosymbionts show convergent adaptations to an intracellular lifestyle. ISME Journal, 2018, 12, 2655-2667.	9.8	26
35	Close Encounters of the Third Domain: The Emerging Genomic View of Archaeal Diversity and Evolution. Archaea, 2013, 2013, 1-12.	2.3	24
36	Genome size evolution in the Archaea. Emerging Topics in Life Sciences, 2018, 2, 595-605.	2.6	23

#	Article	IF	Citations
37	A bacterial genome in transition - an exceptional enrichment of IS elements but lack of evidence for recent transposition in the symbiont Amoebophilus asiaticus. BMC Evolutionary Biology, 2011, 11, 270.	3.2	22
38	â€˜Geoarchaeote NAG1â€™ is a deeply rooting lineage of the archaeal order Thermoproteales rather than a new phylum. ISME Journal, 2014, 8, 1353-1357.	9.8	19
39	Chlamydial contribution to anaerobic metabolism during eukaryotic evolution. Science Advances, 2020, 6, eabb7258.	10.3	18
40	Microbial diversity: The tree of life comes of age. Nature Microbiology, 2016, 1, 16056.	13.3	14
41	Archaeal evolution: The methanogenic roots of Archaea. Nature Microbiology, 2017, 2, 17109.	13.3	13
42	Evolving Perspective on the Origin and Diversification of Cellular Life and the Virosphere. Genome Biology and Evolution, 2022, 14, .	2.5	13
43	The importance of biofilm formation for cultivation of a Micrarchaeon and its interactions with its Thermoplasmatales host. Nature Communications, 2022, 13, 1735.	12.8	12
44	Towards a systematic understanding of differences between archaeal and bacterial diversity. Environmental Microbiology Reports, 2019, 11, 9-12.	2.4	3
45	Origin of eukaryotes: What can be learned from the first successfully isolated Asgard archaeon. Faculty Reviews, 2022, 11, 3.	3.9	2
46	Archaea â€“ An Introduction. , 2019, , .		0