Courtney W Stairs

List of Publications by Year
in descending order

33 papers	2,034 citations	394286 19 h-index	377752 34 g-index
38 all docs	38 docs citations	38 times ranked	2305 citing authors

#	Article	IF	Citations
1	Archaea and the origin of eukaryotes. Nature Reviews Microbiology, 2017, 15, 711-723.	13.6	388
2	A Eukaryote without a Mitochondrial Organelle. Current Biology, 2016, 26, 1274-1284.	1.8	302
3	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.	5.9	143
4	Diversity and origins of anaerobic metabolism in mitochondria and related organelles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140326.	1.8	124
5	Extreme genome diversity in the hyper-prevalent parasitic eukaryote Blastocystis. PLoS Biology, 2017, 15, e2003769.	2.6	99
6	A SUF Fe-S Cluster Biogenesis System in the Mitochondrion-Related Organelles of the Anaerobic Protist Pygsuia. Current Biology, 2014, 24, 1176-1186.	1.8	94
7	Organelles that illuminate the origins of Trichomonas hydrogenosomes and Giardia mitosomes. Nature Ecology and Evolution, 2017, 1, 0092.	3.4	90
8	Environmental Breviatea harbour mutualistic Arcobacter epibionts. Nature, 2016, 534, 254-258.	13.7	68
9	Eukaryotic Pyruvate Formate Lyase and Its Activating Enzyme Were Acquired Laterally from a Firmicute. Molecular Biology and Evolution, 2011, 28, 2087-2099.	3.5	66
10	Demystifying Eukaryote Lateral Gene Transfer (Response to Martin 2017 DOI: 10.1002/bies.201700115). BioEssays, 2018, 40, e1700242.	1.2	64
11	Lateral Gene Transfer and Gene Duplication Played a Key Role in the Evolution of Mastigamoeba balamuthi Hydrogenosomes. Molecular Biology and Evolution, 2015, 32, 1039-1055.	3.5	63
12	Marine Sediments Illuminate Chlamydiae Diversity and Evolution. Current Biology, 2020, 30, 1032-1048.e7.	1.8	52
13	Microbial eukaryotes have adapted to hypoxia by horizontal acquisitions of a gene involved in rhodoquinone biosynthesis. ELife, 2018, 7, .	2.8	51
14	The Oxymonad Genome Displays Canonical Eukaryotic Complexity in the Absence of a Mitochondrion. Molecular Biology and Evolution, 2019, 36, 2292-2312.	3.5	49
15	The Earliest Stages of Mitochondrial Adaptation to Low Oxygen Revealed in a Novel Rhizarian. Current Biology, 2016, 26, 2729-2738.	1.8	46
16	Arginine deiminase pathway enzymes: evolutionary history in metamonads and other eukaryotes. BMC Evolutionary Biology, 2016, 16, 197.	3.2	40
17	Complex Evolutionary History of Translation Elongation Factor 2 and Diphthamide Biosynthesis in Archaea and Parabasalids. Genome Biology and Evolution, 2018, 10, 2380-2393.	1.1	37
18	The Archaeal Roots of the Eukaryotic Dynamic Actin Cytoskeleton. Current Biology, 2020, 30, R521-R526.	1.8	31

#	Article	IF	Citations
19	Anaeramoebae are a divergent lineage of eukaryotes that shed light on the transition from anaerobic mitochondria to hydrogenosomes. Current Biology, 2021, 31, 5605-5612.e5.	1.8	29
20	Diversity of electron transport chains in anaerobic protists. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148334.	0.5	22
21	The tangled past of eukaryotic enzymes involved in anaerobic metabolism. Mobile Genetic Elements, 2011, 1, 71-74.	1.8	19
22	Chlamydial contribution to anaerobic metabolism during eukaryotic evolution. Science Advances, 2020, 6, eabb7258.	4.7	18
23	Microbiomes in a manganese oxide producing ecosystem in the Ytterby mine, Sweden: impact on metal mobility. FEMS Microbiology Ecology, 2020, 96, .	1.3	14
24	The Mastigamoeba balamuthi Genome and the Nature of the Free-Living Ancestor of Entamoeba. Molecular Biology and Evolution, 2021, 38, 2240-2259.	3.5	14
25	Evolving Perspective on the Origin and Diversification of Cellular Life and the Virosphere. Genome Biology and Evolution, 2022, 14, .	1.1	13
26	Oxygen induces the expression of invasion and stress response genes in the anaerobic salmon parasite Spironucleus salmonicida. BMC Biology, 2019, 17, 19.	1.7	9
27	The evolution of the Puf superfamily of proteins across the tree of eukaryotes. BMC Biology, 2020, 18, 77.	1.7	9
28	Mitochondrion-Related Organelles in Free-Living Protists. Microbiology Monographs, 2019, , 287-308.	0.3	8
29	Bubble biofilm: Bacterial colonization of air-air interface. Biofilm, 2020, 2, 100030.	1.5	7
30	A functional bacteria-derived restriction modification system in the mitochondrion of a heterotrophic protist. PLoS Biology, 2021, 19, e3001126.	2.6	6
31	The integrin-mediated adhesive complex in the ancestor of animals, fungi, and amoebae. Current Biology, 2021, 31, 3073-3085.e3.	1.8	6
32	Microbe-Mediated Mn Oxidationâ€"A Proposed Model of Mineral Formation. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	0.8	6
33	Hydrogen metabolism: A eukaryote taps into the electron sink. Current Biology, 2022, 32, R49-R51.	1.8	1