John P Mccutcheon

List of Publications by Year
in descending order

48 papers	11,096 citations	109321 35 h-index	197818 49 g-index
58 all docs	58 docs citations	58 times ranked	10725 citing authors

#	Article	IF	Citations
1	Pseudofinder: Detection of Pseudogenes in Prokaryotic Genomes. Molecular Biology and Evolution, 2022, 39, .	8.9	38
2	Complete Genome Sequence of <i>Microbacterium</i> Bacteriophage Erla. Microbiology Resource Announcements, 2021, 10, .	0.6	1
3	The Evolution of Interdependence in a Four-Way Mealybug Symbiosis. Genome Biology and Evolution, 2021, 13, .	2.5	9
4	The Genomics and Cell Biology of Host-Beneficial Intracellular Infections. Annual Review of Cell and Developmental Biology, 2021, 37, 115-142.	9.4	27
5	Lichen fungi do not depend on the alga for ATP production: A comment on Pogoda et al. (2018). Molecular Ecology, 2021, 30, 4155-4159.	3.9	3
6	Off-target capture data, endosymbiont genes and morphology reveal a relict lineage that is sister to all other singing cicadas. Biological Journal of the Linnean Society, 2019, 128, 865-886.	1.6	27
7	Peptidoglycan Production by an Insect-Bacterial Mosaic. Cell, 2019, 179, 703-712.e7.	28.9	75
8	Cicada Endosymbionts Have tRNAs That Are Correctly Processed Despite Having Genomes That Do Not Encode All of the tRNA Processing Machinery. MBio, 2019, 10, .	4.1	8
9	The Life of an Insect Endosymbiont from the Cradle to the Grave. Current Biology, 2019, 29, R485-R495.	3.9	157
10	One Hundred Mitochondrial Genomes of Cicadas. Journal of Heredity, 2019, 110, 247-256.	2.4	27
11	Multiple origins of interdependent endosymbiotic complexes in a genus of cicadas. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E226-E235.	7.1	69
12	Functional horizontal gene transfer from bacteria to eukaryotes. Nature Reviews Microbiology, 2018, 16, 67-79.	28.6	354
13	Changes in Endosymbiont Complexity Drive Host-Level Compensatory Adaptations in Cicadas. MBio, 2018, 9, .	4.1	29
14	Recurrent symbiont recruitment from fungal parasites in cicadas. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5970-E5979.	7.1	138
15	Endosymbiosis: The feeling is not mutual. Journal of Theoretical Biology, 2017, 434, 75-79.	1.7	83
16	Idiosyncratic Genome Degradation in a Bacterial Endosymbiont of Periodical Cicadas. Current Biology, 2017, 27, 3568-3575.e3.	3.9	37
17	Repeated replacement of an intrabacterial symbiont in the tripartite nested mealybug symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5416-24.	7.1	222
18	Basidiomycete yeasts in the cortex of ascomycete macrolichens. Science, 2016, 353, 488-492.	12.6	409

#	ARTICLE	IF	CITATIONS
19	From microbiology to cell biology: when an intracellular bacterium becomes part of its host cell. Current Opinion in Cell Biology, 2016, 41, 132-136.	5.4	36
20	Lineage-Specific Patterns of Genome Deterioration in Obligate Symbionts of Sharpshooter Leafhoppers. Genome Biology and Evolution, 2016, 8, 296-301.	2.5	28
21	Microbes don't play solitaire: how cooperation trumps isolation in the microbial world. Environmental Microbiology Reports, 2015, 7, 26-28.	2.4	78
22	Genome expansion via lineage splitting and genome reduction in the cicada endosymbiont <i>Hodgkinia</i>. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10192-10199.	7.1	87
23	Differential Genome Evolution Between Companion Symbionts in an Insect-Bacterial Symbiosis. MBio, 2014, 5, e01697-14.	4.1	70
24	Population genomics of a symbiont in the early stages of a pest invasion. Molecular Ecology, 2014, 23, 1516-1530.	3.9	50
25	Endosymbiosis: Protein Targeting Further Erodes the Organelle/Symbiont Distinction. Current Biology, 2014, 24, R654-R655.	3.9	29
26	Dynamic recruitment of amino acid transporters to the insect/symbiont interface. Molecular Ecology, 2014, 23, 1608-1623.	3.9	57
27	Sympatric Speciation in a Bacterial Endosymbiont Results in Two Genomes with the Functionality of One. Cell, 2014, 158, 1270-1280.	28.9	118
28	Genome Evolution: A Bacterium with a Napoleon Complex. Current Biology, 2013, 23, R657-R659.	3.9	2
29	Horizontal Gene Transfer from Diverse Bacteria to an Insect Genome Enables a Tripartite Nested Mealybug Symbiosis. Cell, 2013, 153, 1567-1578.	28.9	373
30	An AT Mutational Bias in the Tiny GC-Rich Endosymbiont Genome of Hodgkinia. Genome Biology and Evolution, 2012, 4, 24-27.	2.5	41
31	Extreme genome reduction in symbiotic bacteria. Nature Reviews Microbiology, 2012, 10, 13-26.	28.6	1,195
32	An Interdependent Metabolic Patchwork in the Nested Symbiosis of Mealybugs. Current Biology, 2011, 21, 1366-1372.	3.9	317
33	Functional Convergence in Reduced Genomes of Bacterial Symbionts Spanning 200 My of Evolution. Genome Biology and Evolution, 2010, 2, 708-718.	2.5	320
34	Bacterial Genes in the Aphid Genome: Absence of Functional Gene Transfer from Buchnera to Its Host. PLoS Genetics, 2010, 6, e1000827.	3.5	164
35	Genome Sequence of the Pea Aphid Acyrthosiphon pisum. PLoS Biology, 2010, 8, e1000313.	5.6	913
36	The bacterial essence of tiny symbiont genomes. Current Opinion in Microbiology, 2010, 13, 73-78.	5.1	73

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37	One Bacterial Cell, One Complete Genome. PLoS ONE, 2010, 5, e10314.	2.5	215
38	Convergent evolution of metabolic roles in bacterial co-symbionts of insects. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15394-15399.	7.1	343
39	Origin of an Alternative Genetic Code in the Extremely Small and GCâ€“Rich Genome of a Bacterial Symbiont. PLoS Genetics, 2009, 5, e1000565.	3.5	247
40	Genomics and Evolution of Heritable Bacterial Symbionts. Annual Review of Genetics, 2008, 42, 165-190.	7.6	1,460
41	Parallel genomic evolution and metabolic interdependence in an ancient symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19392-19397.	7.1	327
42	Accurate Multiplex Polony Sequencing of an Evolved Bacterial Genome. Science, 2005, 309, 1728-1732.	12.6	1,189
43	Computational identification of non-coding RNAs in Saccharomyces cerevisiae by comparative genomics. Nucleic Acids Research, 2003, 31, 4119-4128.	14.5	79
44	Crystal structure of the 30 S ribosomal subunit from Thermus thermophilus: purification, crystallization and structure determination. Journal of Molecular Biology, 2001, 310, 827-843.	4.2	128
45	Location of translational initiation factor IF3 on the small ribosomal subunit. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4301-4306.	7.1	139
46	Structure of a bacterial 30S ribosomal subunit at 5.5â€‰Ã… resolution. Nature, 1999, 400, 833-840.	27.8	347
47	A Detailed View of a Ribosomal Active Site. Cell, 1999, 97, 491-502.	28.9	339
48	Structure of the Carboxyl-Terminal Dimerization Domain of the HIV-1 Capsid Protein. Science, 1997, 278, 849-853.	12.6	559