

James P. Hall

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,719
citations

394286

19
h-index

414303

32
g-index

40
all docs

40
docs citations

40
times ranked

1893
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ecology and Evolution of Pangenomes. <i>Current Biology</i> , 2019, 29, R1094-R1103.	1.8	206
2	Sampling the mobile gene pool: innovation via horizontal gene transfer in bacteria. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160424.	1.8	162
3	Source-sink plasmid transfer dynamics maintain gene mobility in soil bacterial communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8260-8265.	3.3	158
4	Mosaic VSGs and the Scale of <i>Trypanosoma brucei</i> Antigenic Variation. <i>PLoS Pathogens</i> , 2013, 9, e1003502.	2.1	115
5	A megaplasmid family driving dissemination of multidrug resistance in <i>Pseudomonas</i> . <i>Nature Communications</i> , 2020, 11, 1370.	5.8	90
6	Gene mobility promotes the spread of resistance in bacterial populations. <i>ISME Journal</i> , 2017, 11, 1930-1932.	4.4	80
7	Plasmid fitness costs are caused by specific genetic conflicts enabling resolution by compensatory mutation. <i>PLoS Biology</i> , 2021, 19, e3001225.	2.6	79
8	Variable plasmid fitness effects and mobile genetic element dynamics across <i>Pseudomonas</i> species. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	70
9	Environmentally occurring mercury resistance plasmids are genetically and phenotypically diverse and confer variable context-dependent fitness effects. <i>Environmental Microbiology</i> , 2015, 17, 5008-5022.	1.8	68
10	DNA Recombination Strategies During Antigenic Variation in the African Trypanosome. <i>Microbiology Spectrum</i> , 2015, 3, MDNA3-0016-2014.	1.2	65
11	Positive selection inhibits gene mobilization and transfer in soil bacterial communities. <i>Nature Ecology and Evolution</i> , 2017, 1, 1348-1353.	3.4	63
12	Identification of Low- and High-Impact Hemagglutinin Amino Acid Substitutions That Drive Antigenic Drift of Influenza A(H1N1) Viruses. <i>PLoS Pathogens</i> , 2016, 12, e1005526.	2.1	58
13	Extremely fast amelioration of plasmid fitness costs by multiple functionally diverse pathways. <i>Microbiology (United Kingdom)</i> , 2020, 166, 56-62.	0.7	55
14	The evolution of plasmid stability: Are infectious transmission and compensatory evolution competing evolutionary trajectories?. <i>Plasmid</i> , 2017, 91, 90-95.	0.4	51
15	Rapid compensatory evolution promotes the survival of conjugative plasmids. <i>Mobile Genetic Elements</i> , 2016, 6, e1179074.	1.8	49
16	What makes a megaplasmid?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200472.	1.8	44
17	Competitive species interactions constrain abiotic adaptation in a bacterial soil community. <i>Evolution Letters</i> , 2018, 2, 580-589.	1.6	37
18	Mobile Compensatory Mutations Promote Plasmid Survival. <i>MSystems</i> , 2019, 4, .	1.7	34

#	ARTICLE	IF	CITATIONS
19	Application of long read sequencing to determine expressed antigen diversity in <i>Trypanosoma brucei</i> infections. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007262.	1.3	25
20	Plasmid stability is enhanced by higher-frequency pulses of positive selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172497.	1.2	24
21	Genome hyperevolution and the success of a parasite. <i>Annals of the New York Academy of Sciences</i> , 2012, 1267, 11-17.	1.8	23
22	Conflicting selection alters the trajectory of molecular evolution in a tripartite bacteria-phage interaction. <i>Molecular Ecology</i> , 2017, 26, 2757-2764.	2.0	22
23	Viral host-adaptation: insights from evolution experiments with phages. <i>Current Opinion in Virology</i> , 2013, 3, 572-577.	2.6	21
24	Multi-host environments select for host-generalist conjugative plasmids. <i>BMC Evolutionary Biology</i> , 2016, 16, 70.	3.2	19
25	The proficiency of the original host species determines community-level plasmid dynamics. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	17
26	Positive Selection Inhibits Plasmid Coexistence in Bacterial Genomes. <i>MBio</i> , 2021, 12, .	1.8	16
27	The Impact of Mercury Selection and Conjugative Genetic Elements on Community Structure and Resistance Gene Transfer. <i>Frontiers in Microbiology</i> , 2020, 11, 1846.	1.5	15
28	The dilution effect limits plasmid horizontal transmission in multispecies bacterial communities. <i>Microbiology (United Kingdom)</i> , 2021, 167, .	0.7	12
29	Introduction: the secret lives of microbial mobile genetic elements. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200460.	1.8	11
30	Migration promotes plasmid stability under spatially heterogeneous positive selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180324.	1.2	8
31	Bacterial evolution: Resistance is a numbers game. <i>Nature Microbiology</i> , 2016, 1, 16235.	5.9	6
32	Is the bacterial chromosome a mobile genetic element?. <i>Nature Communications</i> , 2021, 12, 6400.	5.8	4
33	DNA Recombination Strategies During Antigenic Variation in the African Trypanosome. , 0, , 409-435.		2