

Rees Kassen

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,417
citations

361413

20
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

3386
citing authors

#	ARTICLE	IF	CITATIONS
1	The fitness costs of antibiotic resistance mutations. <i>Evolutionary Applications</i> , 2015, 8, 273-283.	3.1	490
2	Distribution of fitness effects among beneficial mutations before selection in experimental populations of bacteria. <i>Nature Genetics</i> , 2006, 38, 484-488.	21.4	228
3	The Ecology and Genetics of Microbial Diversity. <i>Annual Review of Microbiology</i> , 2004, 58, 207-231.	7.3	178
4	Genomics of Adaptation during Experimental Evolution of the Opportunistic Pathogen <i>Pseudomonas aeruginosa</i> . <i>PLoS Genetics</i> , 2012, 8, e1002928.	3.5	139
5	Evolutionary insight from whole-genome sequencing of experimentally evolved microbes. <i>Molecular Ecology</i> , 2012, 21, 2058-2077.	3.9	128
6	The Effect of Selection Environment on the Probability of Parallel Evolution. <i>Molecular Biology and Evolution</i> , 2015, 32, 1436-1448.	8.9	116
7	The Properties of Adaptive Walks in Evolving Populations of Fungus. <i>PLoS Biology</i> , 2009, 7, e1000250.	5.6	111
8	Evolutionary genomics of epidemic and nonepidemic strains of <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 21065-21070.	7.1	92
9	What drives parallel evolution?. <i>BioEssays</i> , 2017, 39, 1-9.	2.5	84
10	SYNTHESIS: Cancer research meets evolutionary biology. <i>Evolutionary Applications</i> , 2009, 2, 62-70.	3.1	83
11	Adaptive synonymous mutations in an experimentally evolved <i>Pseudomonas fluorescens</i> population. <i>Nature Communications</i> , 2014, 5, 4076.	12.8	83
12	The properties of spontaneous mutations in the opportunistic pathogen <i>Pseudomonas aeruginosa</i> . <i>BMC Genomics</i> , 2016, 17, 27.	2.8	83
13	Rapid diversification of <i>Pseudomonas aeruginosa</i> in cystic fibrosis lung-like conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10714-10719.	7.1	74
14	The distribution of fitness effects among synonymous mutations in a gene under directional selection. <i>ELife</i> , 2019, 8, .	6.0	71
15	Toward a General Theory of Adaptive Radiation. <i>Annals of the New York Academy of Sciences</i> , 2009, 1168, 3-22.	3.8	65
16	Anaerobically Grown <i>Escherichia coli</i> Has an Enhanced Mutation Rate and Distinct Mutational Spectra. <i>PLoS Genetics</i> , 2017, 13, e1006570.	3.5	60
17	Effects of Synonymous Mutations beyond Codon Bias: The Evidence for Adaptive Synonymous Substitutions from Microbial Evolution Experiments. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	52
18	Parallel evolution and local differentiation in quinolone resistance in <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 937-944.	1.8	52

#	ARTICLE	IF	CITATIONS
19	Evolution of Fitness Trade-Offs in Locally Adapted Populations of <i>Pseudomonas fluorescens</i> . <i>American Naturalist</i> , 2015, 186, S48-S59.	2.1	45
20	Genome-Wide Patterns of Recombination in the Opportunistic Human Pathogen <i>Pseudomonas aeruginosa</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 18-34.	2.5	29
21	Evolution of Cost-Free Resistance under Fluctuating Drug Selection in <i>Pseudomonas aeruginosa</i> . <i>MSphere</i> , 2017, 2, .	2.9	28
22	Population consequences of mutational events: effects of antibiotic resistance on the r/K trade-off. <i>Evolutionary Ecology</i> , 2010, 24, 227-236.	1.2	25
23	Experimental Evolution of Innovation and Novelty. <i>Trends in Ecology and Evolution</i> , 2019, 34, 712-722.	8.7	20
24	Evolutionary Genomics of Niche-Specific Adaptation to the Cystic Fibrosis Lung in <i>Pseudomonas aeruginosa</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 663-675.	8.9	18
25	Antagonistic interactions of soil pseudomonads are structured in time. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	11
26	The emergence, maintenance, and demise of diversity in a spatially variable antibiotic regime. <i>Evolution Letters</i> , 2018, 2, 134-143.	3.3	11
27	Genomics of Diversification of <i>Pseudomonas aeruginosa</i> in Cystic Fibrosis Lung-like Conditions. <i>Genome Biology and Evolution</i> , 2022, 14, .	2.5	6
28	The evolution and fate of diversity under hard and soft selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201111.	2.6	5
29	The genetics of phenotypic innovation. , 0, , 91-104.		4
30	Experimental Evolution of Interference Competition. <i>Frontiers in Microbiology</i> , 2021, 12, 613450.	3.5	4
31	Genomics of Compensatory Adaptation in Experimental Populations of <i>Aspergillus nidulans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 427-436.	1.8	3
32	Identifying the drivers of computationally detected correlated evolution among sites under antibiotic selection. <i>Evolutionary Applications</i> , 2020, 13, 781-793.	3.1	3
33	Low prevalence of the parasite <i>Ophryocystis elektroscirrha</i> at the range edge of the eastern North American monarch (<i>Danaus plexippus</i>) butterfly population. <i>Canadian Journal of Zoology</i> , 2021, 99, 409-413.	1.0	3
34	Responseâ€”The Time of Young Scientists. <i>Science</i> , 2010, 329, 626-627.	12.6	1