

Daniel E Rozen

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

4,902
citations

134610

34
h-index

120465

65
g-index

107
all docs

107
docs citations

107
times ranked

5769
citing authors

#	ARTICLE	IF	CITATIONS
1	The genetic architecture underlying prey-dependent performance in a microbial predator. <i>Nature Communications</i> , 2022, 13, 319.	5.8	4
2	Ecological drivers of division of labour in <i>Streptomyces</i> . <i>Current Opinion in Microbiology</i> , 2022, 67, 102148.	2.3	9
3	Allele-specific collateral and fitness effects determine the dynamics of fluoroquinolone resistance evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121768119.	3.3	9
4	Mutational meltdown of putative microbial altruists in <i>Streptomyces coelicolor</i> colonies. <i>Nature Communications</i> , 2022, 13, 2266.	5.8	10
5	Reversible bacteriophage resistance by shedding the bacterial cell wall. <i>Open Biology</i> , 2022, 12, .	1.5	25
6	Generating Heterokaryotic Cells via Bacterial Cell-Cell Fusion. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	3
7	Competition Sensing Changes Antibiotic Production in <i>Streptomyces</i> . <i>MBio</i> , 2021, 12, .	1.8	29
8	Effect of carcass contamination on necrophagous invertebrate performance. <i>Ecological Processes</i> , 2021, 10, .	1.6	0
9	Design principles of collateral sensitivity-based dosing strategies. <i>Nature Communications</i> , 2021, 12, 5691.	5.8	23
10	Spatial structure increases the benefits of antibiotic production in <i>Streptomyces</i> *. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 179-187.	1.1	17
11	Use of Permanent Wall-Deficient Cells as a System for the Discovery of New-to-Nature Metabolites. <i>Microorganisms</i> , 2020, 8, 1897.	1.6	5
12	Manganese complex [Mn(CO) ₃ (tpa- ¹³ N)]Br increases antibiotic sensitivity in multidrug resistant <i>Streptococcus pneumoniae</i> . <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 594-597.	0.9	10
13	Antibiotic production in <i>Streptomyces</i> is organized by a division of labor through terminal genomic differentiation. <i>Science Advances</i> , 2020, 6, eaay5781.	4.7	60
14	Fitness costs of phoretic nematodes in the burying beetle, <i>Nicrophorus vespilloides</i> . <i>Ecology and Evolution</i> , 2019, 9, 26-35.	0.8	9
15	Unborn wasps fumigate their dinner. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	0
16	How Kermit got streetwise. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	0
17	Lice dodge death by going to the light. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	0
18	Flour beetles evolve to arrest their killers. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	0

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19	Gut microbiota in the burying beetle, <i>Nicrophorus vespilloides</i> , provide colonization resistance against larval bacterial pathogens. <i>Ecology and Evolution</i> , 2018, 8, 1646-1654.	0.8	42
20	Eating poop makes naked mole-rats motherly. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	0
21	Sick ants save themselves by acid-spraying their sisters. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	0
22	Conserved collateral antibiotic susceptibility networks in diverse clinical strains of <i>Escherichia coli</i> . <i>Nature Communications</i> , 2018, 9, 3673.	5.8	76
23	Eavesdropping and crosstalk between secreted quorum sensing peptide signals that regulate bacteriocin production in <i>Streptococcus pneumoniae</i> . <i>ISME Journal</i> , 2018, 12, 2363-2375.	4.4	32
24	How ticks put the B in blood. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	0
25	Gut Microbiota Colonization and Transmission in the Burying Beetle <i>Nicrophorus vespilloides</i> throughout Development. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	55
26	Distance-dependent danger responses in bacteria. <i>Current Opinion in Microbiology</i> , 2017, 36, 95-101.	2.3	35
27	Pherotype Polymorphism in <i>Streptococcus pneumoniae</i> Has No Obvious Effects on Population Structure and Recombination. <i>Genome Biology and Evolution</i> , 2017, 9, 2546-2559.	1.1	9
28	Wars between microbes on roots and fruits. <i>F1000Research</i> , 2017, 6, 343.	0.8	45
29	When symbionts overstay their welcome. <i>Journal of Experimental Biology</i> , 2016, 219, 2969-2970.	0.8	0
30	Understanding Microbial Divisions of Labor. <i>Frontiers in Microbiology</i> , 2016, 7, 2070.	1.5	40
31	Steady at the wheel: conservative sex and the benefits of bacterial transformation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150528.	1.8	50
32	Diverse Ecological Strategies Are Encoded by <i>Streptococcus pneumoniae</i> Bacteriocin-Like Peptides. <i>Genome Biology and Evolution</i> , 2016, 8, 1072-1090.	1.1	43
33	Expression of <i>Streptococcus pneumoniae</i> Bacteriocins Is Induced by Antibiotics via Regulatory Interplay with the Competence System. <i>PLoS Pathogens</i> , 2016, 12, e1005422.	2.1	78
34	The dubious motives of generous men. <i>Journal of Experimental Biology</i> , 2015, 218, 1980-1980.	0.8	0
35	A head for sex. <i>Journal of Experimental Biology</i> , 2015, 218, 2984-2985.	0.8	0
36	Socially mediated induction and suppression of antibiosis during bacterial coexistence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11054-11059.	3.3	198

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37	The invisibility cloak of filefish. <i>Journal of Experimental Biology</i> , 2015, 218, 966-966.	0.8	1
38	Fitness Trade-offs Result in the Illusion of Social Success. <i>Current Biology</i> , 2015, 25, 1086-1090.	1.8	41
39	Different explanations for looking like the mailman. <i>Journal of Experimental Biology</i> , 2015, 218, 166-166.	0.8	0
40	Egg survival is reduced by grave-soil microbes in the carrion beetle, <i>Nicrophorus vespilloides</i> . <i>BMC Evolutionary Biology</i> , 2014, 14, 208.	3.2	36
41	The benefits of a stinky chick. <i>Journal of Experimental Biology</i> , 2014, 217, 2228-2228.	0.8	0
42	Frog's little helpers. <i>Journal of Experimental Biology</i> , 2014, 217, 1012-1013.	0.8	0
43	Buff boys and clever girls at the salt lick. <i>Journal of Experimental Biology</i> , 2014, 217, 3391-3391.	0.8	0
44	Faecal pharmaceuticals and external immunity in termites. <i>Journal of Experimental Biology</i> , 2014, 217, 161-161.	0.8	1
45	Bacterial solutions to multicellularity: a tale of biofilms, filaments and fruiting bodies. <i>Nature Reviews Microbiology</i> , 2014, 12, 115-124.	13.6	379
46	Late-life and intergenerational effects of larval exposure to microbial competitors in the burying beetle <i>Nicrophorus vespilloides</i> . <i>Journal of Evolutionary Biology</i> , 2014, 27, 1205-1216.	0.8	12
47	Antimicrobial secretions and social immunity in larval burying beetles, <i>Nicrophorus vespilloides</i> . <i>Animal Behaviour</i> , 2013, 86, 741-745.	0.8	42
48	THE ELECTRIFYING BUZZ OF BEES. <i>Journal of Experimental Biology</i> , 2013, 216, iv-iv.	0.8	0
49	Significant variation in transformation frequency in <i>Streptococcus pneumoniae</i> . <i>ISME Journal</i> , 2013, 7, 791-799.	4.4	50
50	Conservative Sex and the Benefits of Transformation in <i>Streptococcus pneumoniae</i> . <i>PLoS Pathogens</i> , 2013, 9, e1003758.	2.1	33
51	PARASITES AND THE GREAT DIVIDE. <i>Journal of Experimental Biology</i> , 2013, 216, vi-vi.	0.8	0
52	BIRDS' DIGESTION CLEANSSES PASSING SEEDS. <i>Journal of Experimental Biology</i> , 2013, 216, v-vi.	0.8	0
53	A MOTHER'S SECRET PASSWORD. <i>Journal of Experimental Biology</i> , 2013, 216, v-v.	0.8	0
54	DRUGGED BEES GO MISSING. <i>Journal of Experimental Biology</i> , 2012, 215, iv-iv.	0.8	0

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55	Variation in <i>Streptococcus pneumoniae</i> susceptibility to human antimicrobial peptides may mediate intraspecific competition. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3803-3811.	1.2	32
56	PEPPERED MOTHS IN BLACK AND WHITE. <i>Journal of Experimental Biology</i> , 2012, 215, vi-vi.	0.8	0
57	A RUB-DOWN FOR STRESSED FISH. <i>Journal of Experimental Biology</i> , 2012, 215, iv-iv.	0.8	0
58	SEX AS A WEAPON AGAINST PARASITES. <i>Journal of Experimental Biology</i> , 2012, 215, v-v.	0.8	0
59	A <i>Streptococcus pneumoniae</i> infection model in larvae of the wax moth <i>Galleria mellonella</i> . <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2012, 31, 2653-2660.	1.3	41
60	Killing as means of promoting biodiversity. <i>Biochemical Society Transactions</i> , 2012, 40, 1512-1516.	1.6	19
61	GENETIC VARIATION FOR ANTIBIOTIC PERSISTENCE IN <i>ESCHERICHIA COLI</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 933-939.	1.1	34
62	Mechanisms and fitness effects of antibacterial defences in a carrion beetle. <i>Journal of Evolutionary Biology</i> , 2012, 25, 930-937.	0.8	104
63	COMPETENCE INCREASES SURVIVAL DURING STRESS IN <i>STREPTOCOCCUS PNEUMONIAE</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 3475-3485.	1.1	53
64	Next-generation sequencing as a tool to study microbial evolution. <i>Molecular Ecology</i> , 2011, 20, 972-980.	2.0	66
65	SQUIDS IN HEAT. <i>Journal of Experimental Biology</i> , 2011, 214, v-vi.	0.8	0
66	PARASITES AND ZOMBIE GAMMARIDS. <i>Journal of Experimental Biology</i> , 2011, 214, iv-iv.	0.8	0
67	Signal diffusion and the mitigation of social exploitation in pneumococcal competence signalling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2991-2999.	1.2	27
68	Polymorphic Competence Peptides Do Not Restrict Recombination in <i>Streptococcus pneumoniae</i> . <i>Molecular Biology and Evolution</i> , 2010, 27, 694-702.	3.5	19
69	Oscillations in continuous culture populations of <i>Streptococcus pneumoniae</i> : population dynamics and the evolution of clonal suicide. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 999-1008.	1.2	21
70	The impact of population size on the evolution of asexual microbes on smooth versus rugged fitness landscapes. <i>BMC Evolutionary Biology</i> , 2009, 9, 236.	3.2	36
71	Quantification of Social Behavior in <i>D. discoideum</i> Reveals Complex Fixed and Facultative Strategies. <i>Current Biology</i> , 2009, 19, 1373-1377.	1.8	93
72	FITNESS TRADE-OFFS MODIFY COMMUNITY COMPOSITION UNDER CONTRASTING DISTURBANCE REGIMES IN <i>PSEUDOMONAS FLUORESCENS</i> MICROCOSMS. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 3031-3037.	1.1	5

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73	Death and cannibalism in a seasonal environment facilitate bacterial coexistence. <i>Ecology Letters</i> , 2009, 12, 34-44.	3.0	108
74	Antimicrobial strategies in burying beetles breeding on carrion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17890-17895.	3.3	171
75	Heterogeneous Adaptive Trajectories of Small Populations on Complex Fitness Landscapes. <i>PLoS ONE</i> , 2008, 3, e1715.	1.1	80
76	Fitness Costs of Fluoroquinolone Resistance in <i>Streptococcus pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 412-416.	1.4	133
77	The effect of population structure on the adaptive radiation of microbial populations evolving in spatially structured environments. <i>Ecology Letters</i> , 2006, 9, 1041-1048.	3.0	84
78	Non-inherited antibiotic resistance. <i>Nature Reviews Microbiology</i> , 2006, 4, 556-562.	13.6	447
79	Clonal Interference and the Periodic Selection of New Beneficial Mutations in <i>Escherichia coli</i> . <i>Genetics</i> , 2006, 172, 2093-2100.	1.2	115
80	Molecular Phylogeny and Evolution of Morphology in the Social Amoebas. <i>Science</i> , 2006, 314, 661-663.	6.0	232
81	Limits to adaptation in asexual populations. <i>Journal of Evolutionary Biology</i> , 2005, 18, 779-788.	0.8	86
82	PLEIOTROPIC EFFECTS OF BENEFICIAL MUTATIONS IN <i>ESCHERICHIA COLI</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 2343-2352.	1.1	92
83	Long-Term Experimental Evolution in <i>Escherichia coli</i> . XIII. Phylogenetic History of a Balanced Polymorphism. <i>Journal of Molecular Evolution</i> , 2005, 61, 171-180.	0.8	73
84	PLEIOTROPIC EFFECTS OF BENEFICIAL MUTATIONS IN <i>ESCHERICHIA COLI</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 2343.	1.1	3
85	Evolutionary origin of cAMP-based chemoattraction in the social amoebae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6385-6390.	3.3	67
86	Pleiotropic effects of beneficial mutations in <i>Escherichia coli</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 2343-52.	1.1	45
87	Parallel changes in gene expression after 20,000 generations of evolution in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1072-1077.	3.3	409
88	Fitness Effects of Fixed Beneficial Mutations in Microbial Populations. <i>Current Biology</i> , 2002, 12, 1040-1045.	1.8	192
89	cAMP signaling in <i>Dictyostelium</i> . Complexity of cAMP synthesis, degradation and detection. <i>Journal of Muscle Research and Cell Motility</i> , 2002, 23, 793-802.	0.9	89
90	Long-Term Experimental Evolution in <i>Escherichia coli</i> . VIII. Dynamics of a Balanced Polymorphism. <i>American Naturalist</i> , 2000, 155, 24-35.	1.0	247

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91	Pervasive compensatory adaptation in <i>Escherichia coli</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 515-522.	1.2	127
92	Molecular computing: Does DNA compute?. <i>Current Biology</i> , 1996, 6, 254-257.	1.8	13