

# Paul E Turner

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

3,429  
citations

279798

23  
h-index

168389

53  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phage Therapy: A Renewed Approach to Combat Antibiotic-Resistant Bacteria. <i>Cell Host and Microbe</i> , 2019, 25, 219-232.	11.0	657
2	Phage selection restores antibiotic sensitivity in MDR <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2016, 6, 26717.	3.3	479
3	Phage treatment of an aortic graft infected with <i>Pseudomonas aeruginosa</i> . <i>Evolution, Medicine and Public Health</i> , 2018, 2018, 60-66.	2.5	347
4	Reassortment in segmented RNA viruses: mechanisms and outcomes. <i>Nature Reviews Microbiology</i> , 2016, 14, 448-460.	28.6	259
5	Cost of Host Radiation in an RNA Virus. <i>Genetics</i> , 2000, 156, 1465-1470.	2.9	201
6	Pleiotropy complicates a trade-off between phage resistance and antibiotic resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11207-11216.	7.1	159
7	Escape from Prisoner's Dilemma in RNA Phage $\lambda$ 6. <i>American Naturalist</i> , 2003, 161, 497-505.	2.1	119
8	High-throughput discovery of phage receptors using transposon insertion sequencing of bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18670-18679.	7.1	83
9	Evolutionary Genomics of Host Adaptation in Vesicular Stomatitis Virus. <i>Molecular Biology and Evolution</i> , 2008, 25, 1138-1147.	8.9	82
10	Quantitative Models of Phage-Antibiotic Combination Therapy. <i>MSystems</i> , 2020, 5, .	3.8	73
11	The evolution of life history trade-offs in viruses. <i>Current Opinion in Virology</i> , 2014, 8, 79-84.	5.4	69
12	Infection rate of <i>Aedes aegypti</i> mosquitoes with dengue virus depends on the interaction between temperature and mosquito genotype. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171506.	2.6	55
13	Trading-off and trading-up in the world of bacteria's phage evolution. <i>Current Biology</i> , 2020, 30, R1120-R1124.	3.9	53
14	Phage steering of antibiotic-resistance evolution in the bacterial pathogen, <i>Pseudomonas aeruginosa</i> . <i>Evolution, Medicine and Public Health</i> , 2020, 2020, 148-157.	2.5	53
15	ROLE OF EVOLVED HOST BREADTH IN THE INITIAL EMERGENCE OF AN RNA VIRUS. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 3273-3286.	2.3	49
16	STOCHASTIC TEMPERATURES IMPEDE RNA VIRUS ADAPTATION. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 969-979.	2.3	43
17	Antibiotic resistance correlates with transmission in plasmid evolution. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 3368-3380.	2.3	39
18	Phenotypic Plasticity in Bacterial Plasmids. <i>Genetics</i> , 2004, 167, 9-20.	2.9	37

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19	Bacteriophage therapy for infections in CF. <i>Pediatric Pulmonology</i> , 2021, 56, S4-S9.	2.0	36
20	Evolution of mutualism from parasitism in experimental virus populations. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 707-712.	2.3	35
21	Evolvability Costs of Niche Expansion. <i>Trends in Genetics</i> , 2020, 36, 14-23.	6.7	35
22	DNA secretion and gene-level selection in bacteria. <i>Microbiology (United Kingdom)</i> , 2006, 152, 2683-2688.	1.8	34
23	Community context matters for bacteria-phage ecology and evolution. <i>ISME Journal</i> , 2021, 15, 3119-3128.	9.8	34
24	Can oncology recapitulate paleontology? Lessons from species extinctions. <i>Nature Reviews Clinical Oncology</i> , 2015, 12, 273-285.	27.6	31
25	Evolution of parasitism and mutualism between filamentous phage M13 and <i>Escherichia coli</i> . <i>PeerJ</i> , 2016, 4, e2060.	2.0	30
26	Mitigation of evolved bacterial resistance to phage therapy. <i>Current Opinion in Virology</i> , 2022, 53, 101201.	5.4	27
27	Dynamics of molecular evolution in RNA virus populations depend on sudden versus gradual environmental change. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 872-883.	2.3	26
28	Chikungunya virus evolution following a large 3'UTR deletion results in host-specific molecular changes in protein-coding regions. <i>Virus Evolution</i> , 2018, 4, vey012.	4.9	24
29	Searching for the advantages of virus sex. <i>Origins of Life and Evolution of Biospheres</i> , 2003, 33, 95-108.	1.9	21
30	Parallel Evolution of Host-Attachment Proteins in Phage PP01 Populations Adapting to <i>Escherichia coli</i> O157:H7. <i>Pharmaceuticals</i> , 2018, 11, 60.	3.8	20
31	High-throughput analysis of growth differences among phage strains. <i>Journal of Microbiological Methods</i> , 2012, 88, 117-121.	1.6	19
32	Rate of novel host invasion affects adaptability of evolving RNA virus lineages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150801.	2.6	17
33	Consequences of host adaptation for performance of vesicular stomatitis virus in novel thermal environments. <i>Evolutionary Ecology</i> , 2010, 24, 299-315.	1.2	16
34	Repeatable Population Dynamics among Vesicular Stomatitis Virus Lineages Evolved under High Co-infection. <i>Frontiers in Microbiology</i> , 2016, 7, 370.	3.5	14
35	Broad-scale phage therapy is unlikely to select for widespread evolution of bacterial resistance to virus infection. <i>Virus Evolution</i> , 2020, 6, veaa060.	4.9	14
36	Evolution of Bacterial Cross-Resistance to Lytic Phages and Albicidin Antibiotic. <i>Frontiers in Microbiology</i> , 2021, 12, 658374.	3.5	14

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37	Decay and damage of therapeutic phage OMKO1 by environmental stressors. <i>PLoS ONE</i> , 2022, 17, e0263887.	2.5	14
38	Generalized selection to overcome innate immunity selects for host breadth in an RNA virus. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 270-281.	2.3	12
39	Evolution in spatially mixed host environments increases divergence for evolved fitness and intrapopulation genetic diversity in RNA viruses. <i>Virus Evolution</i> , 2016, 2, vev022.	4.9	12
40	Extending the lifetime of antibiotics: how can phage therapy help?. <i>Future Microbiology</i> , 2016, 11, 1105-1107.	2.0	11
41	Genomic and Gene-Expression Comparisons among Phage-Resistant Type-IV Pilus Mutants of <i>Pseudomonas syringae</i> pathovar phaseolicola. <i>PLoS ONE</i> , 2015, 10, e0144514.	2.5	11
42	Selection for Phage Resistance Reduces Virulence of <i>Shigella flexneri</i> . <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0151421.	3.1	11
43	Generalized Growth of Estuarine, Household and Clinical Isolates of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 305.	3.5	10
44	The interplay between host community structure and pathogen lifeâ€‘history constraints in driving the evolution of hostâ€‘range shifts. <i>Functional Ecology</i> , 2019, 33, 2338-2353.	3.6	9
45	Evolutionary genomics of host-use in bifurcating demes of RNA virus phi-6. <i>BMC Evolutionary Biology</i> , 2012, 12, 153.	3.2	7
46	Advancing phage therapy through the lens of virus host-breadth and emergence potential. <i>Advances in Virus Research</i> , 2021, 111, 63-110.	2.1	7
47	Fighting microbial pathogens by integrating host ecosystem interactions and evolution. <i>BioEssays</i> , 2021, 43, 2000272.	2.5	5
48	Prior evolution in stochastic versus constant temperatures affects RNA virus evolvability at a thermal extreme. <i>Ecology and Evolution</i> , 2020, 10, 5440-5450.	1.9	4
49	Effects of historical coâ€‘infection on host shift abilities of exploitative and competitive viruses. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1878-1888.	2.3	4
50	Publisherâ€™s Note: Phage treatment of an aortic graft infected with <i>Pseudomonas aeruginosa</i> . <i>Evolution, Medicine and Public Health</i> , 2019, 2019, 35.	2.5	3
51	Genetic Robustness and Adaptability of Viruses. <i>Microbe Magazine</i> , 2008, 3, 409-415.	0.4	2
52	Complete Genome Sequence of <i>Escherichia coli</i> Bacteriophage U136B. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	1
53	Pandemic Policy in the Vaccine Era: The Long Haul Approach. <i>BioScience</i> , 2021, 71, 673-675.	4.9	1
54	A48â€™Evolutionary history constrains adaptation in vesicular stomatitis virus. <i>Virus Evolution</i> , 2018, 4, .	4.9	0

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55	Assembly and Annotation of Escherichia coli Bacteriophage U115. Microbiology Resource Announcements, 2022, 11, e0094921.	0.6	0
56	<i>Call for Special Issue Papers:</i> Phage/Host Combat: Phage Strategies for Taking Over the Host and Host Strategies for Defense. Phage, 2022, 3, 1-2.	1.7	0
57	Can we eradicate viral pathogens?. Journal of Evolutionary Biology, 2021, 34, 1851-1854.	1.7	0