

Stephen T Abedon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109
papers

5,617
citations

38
h-index

74
g-index

114
ext. papers

6,891
ext. citations

4.3
avg, IF

6.84
L-index

#	Paper	IF	Citations
109	Brief Introduction to Phage Ecology 2022 , 41-52		
108	Concepts of Natural Selection in Light of Phage Exposure 2022 , 265-274		
107	Resistance to Phages, Part II: Bacteria Live! 2022 , 217-229		
106	A Closer Overview of Phage Infections 2022 , 15-27		
105	Prophages Preventing Phage Superinfection 2022 , 179-191		
104	Pleiotropic Costs of Phage Resistance 2022 , 253-262		0
103	Phage Impact on Non-random Mating Among Bacteria 2022 , 95-102		
102	Phages and Asexual Bacterial Populations 2022 , 87-94		
101	Genetic Drift and Phages 2022 , 77-86		
100	Phage-Provided Environmental DNA and Superspreading 2022 , 125-135		
99	Frequency-Dependent Selection in Light of Phage Exposure 2022 , 275-292		
98	Bacterial Mutation to Phage Resistance 2022 , 243-252		
97	Bacterial Mutation Associated with Phages: Insertions 2022 , 55-68		
96	Bacterial Reproductive Isolation and its Violation by Phages 2022 , 115-123		
95	Transduction of Large Amounts of DNA 2022 , 137-150		
94	Bacterial Mutation Associated with Phages: Deletions 2022 , 69-76		
93	Resistance to Phages, Part III: Bacteria Die! 2022 , 231-242		

92 Evolutionary Biology Basics **2022**, 29-40

91 Why Lysogenic Conversion? **2022**, 165-177

90 Phage Morons **2022**, 153-164

89 A Primer on Phage-Bacterium Antagonistic Coevolution **2022**, 293-315

88 Genetic Migration and Phages **2022**, 105-113

87 Bacteriophages, a Brief Introduction **2022**, 3-14

86 Resistance to Phages, Part I: Overview **2022**, 207-215

85 Domestication of Phage Genes **2022**, 193-203

84 Treating Bacterial Infections with Bacteriophage-Based Enzybiotics: In Vitro, In Vivo and Clinical Application.. *Antibiotics*, **2021**, 10, 4.9 11

83 Phage Therapy in the 21st Century: Is There Modern, Clinical Evidence of Phage-Mediated Efficacy?. *Pharmaceuticals*, **2021**, 14, 5.2 8

82 Friends or Foes? Rapid Determination of Dissimilar Colistin and Ciprofloxacin Antagonism of Phages. *Pharmaceuticals*, **2021**, 14, 5.2 2

81 Phage Cocktail Development for Bacteriophage Therapy: Toward Improving Spectrum of Activity Breadth and Depth. *Pharmaceuticals*, **2021**, 14, 5.2 16

80 Virus-Like Particle: Evolving Meanings in Different Disciplines. *Phage*, **2021**, 2, 11-15 1.8 2

79 Improving Phage-Biofilm In Vitro Experimentation. *Viruses*, **2021**, 13, 6.2 5

78 Phage Therapy: The Pharmacology of Antibacterial Viruses. *Current Issues in Molecular Biology*, **2021**, 40, 81-164 2.9 12

77 Bacteriophage Pharmacology and Immunology **2021**, 295-339 0

76 Bacteriophage Ecology **2021**, 253-294 3

75 Detection of Bacteriophages: Phage Plaques **2021**, 507-538 1

74	Coming-of-Age Characterization of Soil Viruses: A User's Guide to Virus Isolation, Detection within Metagenomes, and Viromics. <i>Soil Systems</i> , 2020 , 4, 23	3.5	30
73	Bacteriophage Ecology 2020 , 1-42		2
72	Phage-Phage, Phage-Bacteria, and Phage-Environment Communication 2020 , 23-70		5
71	Commentary: A Host-Produced Quorum-Sensing Autoinducer Controls a Phage Lysis-Lysogeny Decision. <i>Frontiers in Microbiology</i> , 2019 , 10, 1171	5.7	13
70	Use of phage therapy to treat long-standing, persistent, or chronic bacterial infections. <i>Advanced Drug Delivery Reviews</i> , 2019 , 145, 18-39	18.5	30
69	Look Who's Talking: T-Even Phage Lysis Inhibition, the Granddaddy of Virus-Virus Intercellular Communication Research. <i>Viruses</i> , 2019 , 11,	6.2	29
68	Phage-Antibiotic Combination Treatments: Antagonistic Impacts of Antibiotics on the Pharmacodynamics of Phage Therapy?. <i>Antibiotics</i> , 2019 , 8,	4.9	55
67	Pharmacologically Aware Phage Therapy: Pharmacodynamic and Pharmacokinetic Obstacles to Phage Antibacterial Action in Animal and Human Bodies. <i>Microbiology and Molecular Biology Reviews</i> , 2019 , 83,	13.2	59
66	Phage Therapy: Various Perspectives on How to Improve the Art. <i>Methods in Molecular Biology</i> , 2018 , 1734, 113-127	1.4	25
65	Bacteriophage-Mediated Biocontrol of Wound Infections, and Ecological Exploitation of Biofilms by Phages. <i>Recent Clinical Techniques, Results, and Research in Wounds</i> , 2018 , 121-158	0	11
64	Bacteriophage Pharmacology and Immunology 2018 , 1-45		0
63	Detection of Bacteriophages: Phage Plaques 2018 , 1-32		2
62	Basic Phage Mathematics. <i>Methods in Molecular Biology</i> , 2018 , 1681, 3-30	1.4	16
61	Fighting Fire with Fire: Phage Potential for the Treatment of O157 Infection. <i>Antibiotics</i> , 2018 , 7,	4.9	7
60	Bacteriophage Clinical Use as Antibacterial Drugs—Utility and Precedent 2018 , 417-451		
59	Lysogeny in nature: mechanisms, impact and ecology of temperate phages. <i>ISME Journal</i> , 2017 , 11, 1511-1520	11.5	272
58	Bacteriophage Clinical Use as Antibacterial "Drugs": Utility and Precedent. <i>Microbiology Spectrum</i> , 2017 , 5,	8.9	34
57	Information Phage Therapy Research Should Report. <i>Pharmaceuticals</i> , 2017 , 10,	5.2	45

56	Commentary: Communication between Viruses Guides Lysis-Lysogeny Decisions. <i>Frontiers in Microbiology</i> , 2017 , 8, 983	5.7	25
55	Phage "delay" towards enhancing bacterial escape from biofilms: a more comprehensive way of viewing resistance to bacteriophages. <i>AIMS Microbiology</i> , 2017 , 3, 186-226	4.5	52
54	An online phage therapy bibliography: separating under-indexed wheat from overly indexed chaff. <i>AIMS Microbiology</i> , 2017 , 3, 525-528	4.5	2
53	Active bacteriophage biocontrol and therapy on sub-millimeter scales towards removal of unwanted bacteria from foods and microbiomes. <i>AIMS Microbiology</i> , 2017 , 3, 649-688	4.5	23
52	Phage therapy dosing: The problem(s) with multiplicity of infection (MOI). <i>Bacteriophage</i> , 2016 , 6, e1220348		65
51	Diversity of phage infection types and associated terminology: the problem with 'Lytic or lysogenic'. <i>FEMS Microbiology Letters</i> , 2016 , 363,	2.9	94
50	Bacteriophage exploitation of bacterial biofilms: phage preference for less mature targets?. <i>FEMS Microbiology Letters</i> , 2016 , 363,	2.9	59
49	Commentary: Phage Therapy of Staphylococcal Chronic Osteomyelitis in Experimental Animal Model. <i>Frontiers in Microbiology</i> , 2016 , 7, 1251	5.7	13
48	Phage therapy of pulmonary infections. <i>Bacteriophage</i> , 2015 , 5, e1020260		62
47	Ecology of Anti-Biofilm Agents I: Antibiotics versus Bacteriophages. <i>Pharmaceuticals</i> , 2015 , 8, 525-58	5.2	48
46	Ecology of Anti-Biofilm Agents II: Bacteriophage Exploitation and Biocontrol of Biofilm Bacteria. <i>Pharmaceuticals</i> , 2015 , 8, 559-89	5.2	62
45	Bacteriophage secondary infection. <i>Virologica Sinica</i> , 2015 , 30, 3-10	6.4	42
44	Bacteriophages and their enzymes in biofilm control. <i>Current Pharmaceutical Design</i> , 2015 , 21, 85-99	3.3	113
43	Virus ecology and disturbances: impact of environmental disruption on the viruses of microorganisms. <i>Frontiers in Microbiology</i> , 2014 , 5, 700	5.7	4
42	Phage therapy: eco-physiological pharmacology. <i>Scientifica</i> , 2014 , 2014, 581639	2.6	32
41	Phage cocktails and the future of phage therapy. <i>Future Microbiology</i> , 2013 , 8, 769-83	2.9	484
40	Are archaeons incapable of being parasites or have we simply failed to notice?. <i>BioEssays</i> , 2013 , 35, 501	4.1	2
39	Archaeal viruses, not archaeal phages: an archaeological dig. <i>Archaea</i> , 2013 , 2013, 251245	2	11

38	Bacterial 'immunity' against bacteriophages. <i>Bacteriophage</i> , 2012 , 2, 50-54		65
37	Phage therapy pharmacology phage cocktails. <i>Advances in Applied Microbiology</i> , 2012 , 78, 1-23	4.9	114
36	Salutary Contributions of Viruses to Medicine and Public Health 2012 , 389-405		
35	Spatial vulnerability: bacterial arrangements, microcolonies, and biofilms as responses to low rather than high phage densities. <i>Viruses</i> , 2012 , 4, 663-87	6.2	55
34	Thinking about microcolonies as phage targets. <i>Bacteriophage</i> , 2012 , 2, 200-204		17
33	Smaller fleas: viruses of microorganisms. <i>Scientifica</i> , 2012 , 2012, 734023	2.6	27
32	Lysis from without. <i>Bacteriophage</i> , 2011 , 1, 46-49		201
31	Envisaging bacteria as phage targets. <i>Bacteriophage</i> , 2011 , 1, 228-230		17
30	Facilitation of CRISPR adaptation. <i>Bacteriophage</i> , 2011 , 1, 179-181		10
29	Phage treatment of human infections. <i>Bacteriophage</i> , 2011 , 1, 66-85		577
28	Bacteriophage prehistory: Is or is not Hankin, 1896, a phage reference?. <i>Bacteriophage</i> , 2011 , 1, 174-178		51
27	Pros and cons of phage therapy. <i>Bacteriophage</i> , 2011 , 1, 111-114		451
26	Communication Among Phages, Bacteria, and Soil Environments. <i>Soil Biology</i> , 2011 , 37-65	1	13
25	Phage therapy in clinical practice: treatment of human infections. <i>Current Pharmaceutical Biotechnology</i> , 2010 , 11, 69-86	2.6	436
24	Bacteriophage host range and bacterial resistance. <i>Advances in Applied Microbiology</i> , 2010 , 70, 217-48	4.9	410
23	Phage therapy pharmacology. <i>Current Pharmaceutical Biotechnology</i> , 2010 , 11, 28-47	2.6	171
22	Phage evolution and ecology. <i>Advances in Applied Microbiology</i> , 2009 , 67, 1-45	4.9	76
21	Bacteriophage plaques: theory and analysis. <i>Methods in Molecular Biology</i> , 2009 , 501, 161-74	1.4	60

20	Kinetics of phage-mediated biocontrol of bacteria. <i>Foodborne Pathogens and Disease</i> , 2009 , 6, 807-15	3.8	94
19	Bacteriophage evolution given spatial constraint. <i>Journal of Theoretical Biology</i> , 2007 , 248, 111-9	2.3	41
18	Optimizing bacteriophage plaque fecundity. <i>Journal of Theoretical Biology</i> , 2007 , 249, 582-92	2.3	51
17	Why bacteriophage encode exotoxins and other virulence factors. <i>Evolutionary Bioinformatics</i> , 2007 , 1, 97-110	1.9	34
16	Why Bacteriophage Encode Exotoxins and other Virulence Factors. <i>Evolutionary Bioinformatics</i> , 2005 , 1, 117693430500100	1.9	38
15	Experimental examination of bacteriophage latent-period evolution as a response to bacterial availability. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 7499-506	4.8	110
14	Bacteriophage latent-period evolution as a response to resource availability. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 4233-41	4.8	170
13	The murky origin of Snow White and her T-even dwarfs. <i>Genetics</i> , 2000 , 155, 481-6	4	38
12	Bacteriophage T4 resistance to lysis-inhibition collapse. <i>Genetical Research</i> , 1999 , 74, 1-11	1.1	38
11	The roles of the bacteriophage T4 r genes in lysis inhibition and fine-structure genetics: a new perspective. <i>Genetics</i> , 1998 , 148, 1539-50	4	63
10	Selection for lysis inhibition in bacteriophage. <i>Journal of Theoretical Biology</i> , 1990 , 146, 501-11	2.3	57
9	Phage population growth: constraints, games, adaptation64-93		11
8	Phages, ecology, evolution1-28		10
7	Impact of spatial structure on phage population growth94-113		3
6	Phages, bacteria, and food302-331		6
5	Phage ecology of bacterial pathogenesis353-386		8
4	Modeling bacteriophage population growth389-414		7
3	Modeling phage plaque growth415-438		8

2 Phage Ecology and Bacterial Pathogenesis 66-91

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1 In vitro analysis of colistin and ciprofloxacin antagonism of *Pseudomonas aeruginosa* phage PEV2 infection activities

1