

Rob Lavigne

List of Publications by Year in descending order

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Version: 2024-02-01

243
papers

15,543
citations

12330

69
h-index

25787

108
g-index

260
all docs

260
docs citations

260
times ranked

11112
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-driven elucidation of phage-host interplay and impact of phage resistance evolution on bacterial fitness. <i>ISME Journal</i> , 2022, 16, 533-542.	9.8	32
2	SEVAtile: a standardised DNA assembly method optimised for <i>Pseudomonas</i> . <i>Microbial Biotechnology</i> , 2022, 15, 370-386.	4.2	16
3	Digital phagograms: predicting phage infectivity through a multilayer machine learning approach. <i>Current Opinion in Virology</i> , 2022, 52, 174-181.	5.4	21
4	Shopping for phages? Unpacking design rules for therapeutic phage cocktails. <i>Current Opinion in Virology</i> , 2022, 52, 236-243.	5.4	15
5	Combination of pre-adapted bacteriophage therapy and antibiotics for treatment of fracture-related infection due to pandrug-resistant <i>Klebsiella pneumoniae</i> . <i>Nature Communications</i> , 2022, 13, 302.	12.8	97
6	Transcriptional Organization of the <i>Salmonella</i> Typhimurium Phage P22 <i>pid</i> ORFan Locus. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1253.	4.1	2
7	The potential of bacteriophages to control <i>Xanthomonas campestris</i> pv. <i>campestris</i> at different stages of disease development. <i>Microbial Biotechnology</i> , 2022, 15, 1762-1782.	4.2	16
8	Long-Range PCR Reveals the Genetic Cargo of IncP-1 Plasmids in the Complex Microbial Community of an On-Farm Biopurification System Treating Pesticide-Contaminated Wastewater. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0164821.	3.1	1
9	Metabolic reprogramming of <i>Pseudomonas aeruginosa</i> by phage-based quorum sensing modulation. <i>Cell Reports</i> , 2022, 38, 110372.	6.4	20
10	Safety and efficacy of phage therapy in difficult-to-treat infections: a systematic review. <i>Lancet Infectious Diseases</i> , The, 2022, 22, e208-e220.	9.1	125
11	SASpector: analysis of missing genomic regions in draft genomes of prokaryotes. <i>Bioinformatics</i> , 2022, , ,	4.1	0
12	Superinfection exclusion factors drive a history-dependent switch from vertical to horizontal phage transmission. <i>Cell Reports</i> , 2022, 39, 110804.	6.4	3
13	Deconstructing the Phage-Bacterial Biofilm Interaction as a Basis to Establish New Antibiofilm Strategies. <i>Viruses</i> , 2022, 14, 1057.	3.3	12
14	Development of ONT-cappable-seq to unravel the transcriptional landscape of <i>Pseudomonas</i> phages. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 2624-2638.	4.1	9
15	Novel Bacteriophage Specific against <i>Staphylococcus epidermidis</i> and with Antibiofilm Activity. <i>Viruses</i> , 2022, 14, 1340.	3.3	12
16	Characterization and Genomic Analysis of a New Phage Infecting <i>Helicobacter pylori</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 7885.	4.1	3
17	Introducing differential RNA-seq mapping to track the early infection phase for <i>Pseudomonas</i> phage E _{KZ} . <i>RNA Biology</i> , 2021, 18, 1099-1110.	3.1	19
18	The future of phage biocontrol in integrated plant protection for sustainable crop production. <i>Current Opinion in Biotechnology</i> , 2021, 68, 60-71.	6.6	77

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19	Phage-based target discovery and its exploitation towards novel antibacterial molecules. <i>Current Opinion in Biotechnology</i> , 2021, 68, 1-7.	6.6	19
20	Bacteriophage-mediated interference of the c-di-GMP signalling pathway in <i>Pseudomonas aeruginosa</i> . <i>Microbial Biotechnology</i> , 2021, 14, 967-978.	4.2	14
21	qDNase assay: A quantitative method for real-time assessment of DNase activity on coated surfaces. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 1003-1006.	2.1	2
22	Bacteriophages as drivers of bacterial virulence and their potential for biotechnological exploitation. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	8.6	53
23	Differential transcription profiling of the phage LUZ19 infection process in different growth media. <i>RNA Biology</i> , 2021, 18, 1778-1790.	3.1	14
24	A Grad-seq View of RNA and Protein Complexes in <i>Pseudomonas aeruginosa</i> under Standard and Bacteriophage Predation Conditions. <i>MBio</i> , 2021, 12, .	4.1	22
25	Rapid and High-Throughput Evaluation of Diverse Configurations of Engineered Lysins Using the VersaTile Technique. <i>Antibiotics</i> , 2021, 10, 293.	3.7	8
26	The evolutionary trade-offs in phage-resistant <i>Klebsiella pneumoniae</i> entail cross-phage sensitization and loss of multidrug resistance. <i>Environmental Microbiology</i> , 2021, 23, 7723-7740.	3.8	43
27	Genomics of an endemic cystic fibrosis <i>Burkholderia multivorans</i> strain reveals low within-patient evolution but high between-patient diversity. <i>PLoS Pathogens</i> , 2021, 17, e1009418.	4.7	11
28	Synergistic action of phage phiPLA-RODI and lytic protein CHAPSH3b: a combination strategy to target <i>Staphylococcus aureus</i> biofilms. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 39.	6.4	34
29	Editorial overview: Phage therapy in the 21st century – inspired by biotechnology!. <i>Current Opinion in Biotechnology</i> , 2021, 68, vi-vii.	6.6	2
30	High-Throughput Sequencing of Phage Display Libraries Reveals Parasitic Enrichment of Indel Mutants Caused by Amplification Bias. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5513.	4.1	4
31	Phage Biocontrol of Bacterial Leaf Blight Disease on Welsh Onion Caused by <i>Xanthomonas axonopodis</i> pv. <i>allii</i> . <i>Antibiotics</i> , 2021, 10, 517.	3.7	9
32	The Potential Role of Bacteriophages in the Treatment of Recalcitrant Chronic Rhinosinusitis. <i>Antibiotics</i> , 2021, 10, 675.	3.7	6
33	Bacterial Viruses Subcommittee and Archaeal Viruses Subcommittee of the ICTV: update of taxonomy changes in 2021. <i>Archives of Virology</i> , 2021, 166, 3239-3244.	2.1	24
34	The bacteriophage LUZ24 –peptide inhibits the <i>Pseudomonas</i> DNA gyrase. <i>Cell Reports</i> , 2021, 36, 109567.	6.4	15
35	The Ever-Expanding <i>Pseudomonas</i> Genus: Description of 43 New Species and Partition of the <i>Pseudomonas putida</i> Group. <i>Microorganisms</i> , 2021, 9, 1766.	3.6	206
36	Bacteriophage Therapy for Difficult-to-Treat Infections: The Implementation of a Multidisciplinary Phage Task Force (The PHAGEFORCE Study Protocol). <i>Viruses</i> , 2021, 13, 1543.	3.3	21

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37	The complete genome of 2,6-dichlorobenzamide (BAM) degrader <i>Aminobacter</i> sp. MSH1 suggests a polyploid chromosome, phylogenetic reassignment, and functions of plasmids. <i>Scientific Reports</i> , 2021, 11, 18943.	3.3	5
38	Design and Selection of Engineered Lytic Proteins With <i>Staphylococcus aureus</i> Decolonizing Activity. <i>Frontiers in Microbiology</i> , 2021, 12, 723834.	3.5	10
39	Molecular Characterization and Taxonomic Assignment of Three Phage Isolates from a Collection Infecting <i>Pseudomonas</i> <i>Å</i> syringae pv. <i>actinidiae</i> and <i>P. Å</i> syringae pv. <i>phaseolicola</i> from Northern Italy. <i>Viruses</i> , 2021, 13, 2083.	3.3	12
40	Unraveling Protein Interactions between the Temperate Virus Bam35 and Its <i>Bacillus</i> Host Using an Integrative Yeast Two Hybridâ€“High Throughput Sequencing Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11105.	4.1	0
41	In Vitro Evaluation of the Therapeutic Potential of Phage VA7 against Enterotoxigenic <i>Bacteroides fragilis</i> Infection. <i>Viruses</i> , 2021, 13, 2044.	3.3	3
42	Phage Therapy. <i>Wikijournal of Medicine</i> , 2021, 8, 4.	1.0	1
43	Bacteriophage Therapy for the Prevention and Treatment of Fracture-Related Infection Caused by <i>Staphylococcus aureus</i> : a Preclinical Study. <i>Microbiology Spectrum</i> , 2021, 9, e0173621.	3.0	15
44	â€“Drcâ€™™, a structurally novel ssDNA-binding transcription regulator of N4-related bacterial viruses. <i>Nucleic Acids Research</i> , 2020, 48, 445-459.	14.5	23
45	Analysis of Spounaviruses as a Case Study for the Overdue Reclassification of Tailed Phages. <i>Systematic Biology</i> , 2020, 69, 110-123.	5.6	89
46	Indian medicinal plant extracts to control multidrug-resistant <i>S. aureus</i> , including in biofilms. <i>South African Journal of Botany</i> , 2020, 128, 283-291.	2.5	27
47	Exploring the synthetic biology potential of bacteriophages for engineering non-model bacteria. <i>Nature Communications</i> , 2020, 11, 5294.	12.8	45
48	Quality control and statistical evaluation of combinatorial DNA libraries using nanopore sequencing. <i>BioTechniques</i> , 2020, 69, 379-383.	1.8	2
49	Characterization of the Bacteriophage-Derived Endolysins PlySs2 and PlySs9 with In Vitro Lytic Activity against Bovine Mastitis <i>Streptococcus uberis</i> . <i>Antibiotics</i> , 2020, 9, 621.	3.7	17
50	Completed Genomic Sequence of <i>Bacillus thuringiensis</i> HER1410 Reveals a <i>Cry</i> -Containing Chromosome, Two Megaplasms, and an Integrative Plasmidial Prophage. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2927-2939.	1.8	20
51	First Report of Filamentous Phages Isolated from Tunisian Orchards to Control <i>Erwinia amylovora</i> . <i>Microorganisms</i> , 2020, 8, 1762.	3.6	15
52	Total Synthesis of Kalimantacin A. <i>Organic Letters</i> , 2020, 22, 6349-6353.	4.6	5
53	Reliable Identification of Environmental <i>Pseudomonas</i> Isolates Using the <i>rpoD</i> Gene. <i>Microorganisms</i> , 2020, 8, 1166.	3.6	18
54	Phage S144, a New Polyvalent Phage Infecting <i>Salmonella</i> spp. and <i>Cronobacter sakazakii</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 5196.	4.1	22

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55	Lysin LysMK34 of <i>Acinetobacter baumannii</i> Bacteriophage PMK34 Has a Turgor Pressure-Dependent Intrinsic Antibacterial Activity and Reverts Colistin Resistance. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	25
56	SAPPHIRE: a neural network based classifier for λ 70 promoter prediction in <i>Pseudomonas</i> . <i>BMC Bioinformatics</i> , 2020, 21, 415.	2.6	35
57	Advanced engineering of third-generation lysins and formulation strategies for clinical applications. <i>Critical Reviews in Microbiology</i> , 2020, 46, 548-564.	6.1	41
58	The Phage-Encoded N-Acetyltransferase Rac Mediates Inactivation of <i>Pseudomonas aeruginosa</i> Transcription by Cleavage of the RNA Polymerase Alpha Subunit. <i>Viruses</i> , 2020, 12, 976.	3.3	11
59	Characterization of <i>Salmonella</i> Isolates from Various Geographical Regions of the Caucasus and Their Susceptibility to Bacteriophages. <i>Viruses</i> , 2020, 12, 1418.	3.3	15
60	The Kalimantacin Polyketide Antibiotics Inhibit Fatty Acid Biosynthesis in <i>Staphylococcus aureus</i> by Targeting the Enoyl- ϵ -Acyl Carrier Protein Binding Site of FabI. <i>Angewandte Chemie</i> , 2020, 132, 10636-10643.	2.0	6
61	A Tailspike with Exopolysaccharide Depolymerase Activity from a New <i>Providencia stuartii</i> Phage Makes Multidrug-Resistant Bacteria Susceptible to Serum-Mediated Killing. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	22
62	Phage biocontrol to combat <i>Pseudomonas syringae</i> pathogens causing disease in cherry. <i>Microbial Biotechnology</i> , 2020, 13, 1428-1445.	4.2	44
63	Host Range Expansion of <i>Pseudomonas</i> Virus LUZ7 Is Driven by a Conserved Tail Fiber Mutation. <i>Phage</i> , 2020, 1, 87-90.	1.7	17
64	Natural and Induced Antibodies Against Phages in Humans: Induction Kinetics and Immunogenicity for Structural Proteins of PB1-Related Phages. <i>Phage</i> , 2020, 1, 91-99.	1.7	12
65	Integrative omics analysis of <i>Pseudomonas aeruginosa</i> virus PA5oct highlights the molecular complexity of jumbo phages. <i>Environmental Microbiology</i> , 2020, 22, 2165-2181.	3.8	32
66	Taxonomy of prokaryotic viruses: 2018-2019 update from the ICTV Bacterial and Archaeal Viruses Subcommittee. <i>Archives of Virology</i> , 2020, 165, 1253-1260.	2.1	144
67	The Kalimantacin Polyketide Antibiotics Inhibit Fatty Acid Biosynthesis in <i>Staphylococcus aureus</i> by Targeting the Enoyl- ϵ -Acyl Carrier Protein Binding Site of FabI. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10549-10556.	13.8	20
68	Isolation and Characterization of <i>Pectobacterium</i> Phage vB_PatM_CB7: New Insights into the Genus <i>Certrevirus</i> . <i>Antibiotics</i> , 2020, 9, 352.	3.7	21
69	Preparing for the KIL: Receptor Analysis of <i>Pseudomonas syringae</i> pv. <i>porri</i> Phages and Their Impact on Bacterial Virulence. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2930.	4.1	17
70	Structural Analysis of Jumbo Coliphage phAPEC6. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3119.	4.1	13
71	VIROPLANT in a Nutshell. <i>Phage</i> , 2020, 1, 174-175.	1.7	0
72	Combining sequencing approaches to fully resolve a carbapenemase-encoding megaplasmid in a <i>Pseudomonas shirazica</i> clinical strain. <i>Emerging Microbes and Infections</i> , 2019, 8, 1186-1194.	6.5	16

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73	Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. <i>Nature Microbiology</i> , 2019, 4, 1727-1736.	13.3	184
74	Bacteriophage Application for Difficult-to-treat Musculoskeletal Infections: Development of a Standardized Multidisciplinary Treatment Protocol. <i>Viruses</i> , 2019, 11, 891.	3.3	98
75	New Bacteriophages against Emerging Lineages ST23 and ST258 of <i>Klebsiella pneumoniae</i> and Efficacy Assessment in <i>Galleria mellonella</i> Larvae. <i>Viruses</i> , 2019, 11, 411.	3.3	36
76	Dip-a-Dee-Doo-Dah: Bacteriophage-Mediated Rescoring of a Harmoniously Orchestrated RNA Metabolism. <i>Annual Review of Virology</i> , 2019, 6, 199-213.	6.7	7
77	Taxonomic assignment of uncultivated prokaryotic virus genomes is enabled by gene-sharing networks. <i>Nature Biotechnology</i> , 2019, 37, 632-639.	17.5	569
78	Innovative teaching in the digital age goes viral. <i>Nature Microbiology</i> , 2019, 4, 562-564.	13.3	3
79	Protection of Phage Applications in Crop Production: A Patent Landscape. <i>Viruses</i> , 2019, 11, 277.	3.3	15
80	Phenolic Composition, Antimicrobial and Antioxidant Properties of Belgian Apple Wood Extracts. <i>Journal of Biologically Active Products From Nature</i> , 2019, 9, 24-38.	0.3	5
81	Characterization of a new podovirus infecting <i>Paenibacillus</i> larvae. <i>Scientific Reports</i> , 2019, 9, 20355.	3.3	13
82	<i>Pseudomonas aeruginosa</i> PA5oct Jumbo Phage Impacts Planktonic and Biofilm Population and Reduces Its Host Virulence. <i>Viruses</i> , 2019, 11, 1089.	3.3	29
83	Minimum Information about an Uncultivated Virus Genome (MIUViG). <i>Nature Biotechnology</i> , 2019, 37, 29-37.	17.5	414
84	Functional Analysis and Antivirulence Properties of a New Depolymerase from a Myovirus That Infects <i>Acinetobacter baumannii</i> Capsule K45. <i>Journal of Virology</i> , 2019, 93, .	3.4	58
85	Taxonomy of prokaryotic viruses: 2017 update from the ICTV Bacterial and Archaeal Viruses Subcommittee. <i>Archives of Virology</i> , 2018, 163, 1125-1129.	2.1	172
86	Community-led comparative genomic and phenotypic analysis of the aquaculture pathogen <i>Pseudomonas baetica</i> a390T sequenced by Ion semiconductor and Nanopore technologies. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	17
87	Catabolic task division between two near-isogenic subpopulations co-existing in a herbicide-degrading bacterial consortium: consequences for the interspecies consortium metabolic model. <i>Environmental Microbiology</i> , 2018, 20, 85-96.	3.8	19
88	Preparing cDNA Libraries from Lytic Phage-Infected Cells for Whole Transcriptome Analysis by RNA-Seq. <i>Methods in Molecular Biology</i> , 2018, 1681, 185-194.	0.9	12
89	Evaluation of the genomic diversity of viruses infecting bacteria, archaea and eukaryotes using a common bioinformatic platform: steps towards a unified taxonomy. <i>Journal of General Virology</i> , 2018, 99, 1331-1343.	2.9	72
90	Targeted metagenomics demonstrates the ecological role of IS<i>1071</i> in bacterial community adaptation to pesticide degradation. <i>Environmental Microbiology</i> , 2018, 20, 4091-4111.	3.8	32

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91	Identification of Protein-Protein Interactions Using Pool-Array-Based Yeast Two-Hybrid Screening. <i>Methods in Molecular Biology</i> , 2018, 1794, 29-48.	0.9	3
92	<i>Pectobacterium atrosepticum</i> Phage vB_PatP_CB5: A Member of the Proposed Genus <i>Phimunavirus</i> . <i>Viruses</i> , 2018, 10, 394.	3.3	21
93	Iterative Chemical Engineering of Vancomycin Leads to Novel Vancomycin Analogs With a High in Vitro Therapeutic Index. <i>Frontiers in Microbiology</i> , 2018, 9, 1175.	3.5	9
94	Novel N4-Like Bacteriophages of <i>Pectobacterium atrosepticum</i> . <i>Pharmaceuticals</i> , 2018, 11, 45.	3.8	49
95	Comparative Analysis of 37 <i>Acinetobacter</i> Bacteriophages. <i>Viruses</i> , 2018, 10, 5.	3.3	37
96	Transcriptomic Analysis of the <i>Campylobacter jejuni</i> Response to T4-Like Phage NCTC 12673 Infection. <i>Viruses</i> , 2018, 10, 332.	3.3	46
97	Catabolism of the groundwater micropollutant 2,6-dichlorobenzamide beyond 2,6-dichlorobenzoate is plasmid encoded in <i>Aminobacter</i> sp. MSH1. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7963-7979.	3.6	15
98	Larger Than Life: Isolation and Genomic Characterization of a Jumbo Phage That Infects the Bacterial Plant Pathogen, <i>Agrobacterium tumefaciens</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1861.	3.5	23
99	Targeting mechanisms of tailed bacteriophages. <i>Nature Reviews Microbiology</i> , 2018, 16, 760-773.	28.6	310
100	Selection of Potential Therapeutic Bacteriophages that Lyse a CTX-M-15 Extended Spectrum β -Lactamase Producing <i>Salmonella enterica</i> Serovar Typhi Strain from the Democratic Republic of the Congo. <i>Viruses</i> , 2018, 10, 172.	3.3	22
101	Characterization and genomic analyses of two newly isolated <i>Morganella</i> phages define distant members among <i>Tevenvirinae</i> and <i>Autographivirinae</i> subfamilies. <i>Scientific Reports</i> , 2017, 7, 46157.	3.3	23
102	Investigating the biocontrol and anti-biofilm potential of a three phage cocktail against <i>Cronobacter sakazakii</i> in different brands of infant formula. <i>International Journal of Food Microbiology</i> , 2017, 253, 1-11.	4.7	60
103	Comparative transcriptomics analyses reveal the conservation of an ancestral infectious strategy in two bacteriophage genera. <i>ISME Journal</i> , 2017, 11, 1988-1996.	9.8	47
104	A comparative study of different strategies for removal of endotoxins from bacteriophage preparations. <i>Journal of Microbiological Methods</i> , 2017, 132, 153-159.	1.6	37
105	A Lytic <i>Providencia rettgeri</i> Virus of Potential Therapeutic Value Is a Deep-Branching Member of the <i>T5virus</i> Genus. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	13
106	Elucidation of the relative and absolute stereochemistry of the kalimantacin/batumin antibiotics. <i>Chemical Science</i> , 2017, 8, 6196-6201.	7.4	20
107	Pro- and anti-inflammatory responses of peripheral blood mononuclear cells induced by <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> phages. <i>Scientific Reports</i> , 2017, 7, 8004.	3.3	179
108	The O-specific polysaccharide lyase from the phage LKA1 tailspike reduces <i>Pseudomonas</i> virulence. <i>Scientific Reports</i> , 2017, 7, 16302.	3.3	88

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109	<i>Pseudomonas</i> predators: understanding and exploiting phage-host interactions. <i>Nature Reviews Microbiology</i> , 2017, 15, 517-530.	28.6	156
110	Taxonomy of prokaryotic viruses: 2016 update from the ICTV bacterial and archaeal viruses subcommittee. <i>Archives of Virology</i> , 2017, 162, 1153-1157.	2.1	57
111	Viral interference of the bacterial RNA metabolism machinery. <i>RNA Biology</i> , 2017, 14, 6-10.	3.1	12
112	The temperate <i>Burkholderia</i> phage AP3 of the Peduovirinae shows efficient antimicrobial activity against <i>B. cenocepacia</i> of the IIIA lineage. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1203-1216.	3.6	15
113	<i>Klebsiella</i> phages representing a novel clade of viruses with an unknown DNA modification and biotechnologically interesting enzymes. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 673-684.	3.6	49
114	DNA-Interacting Characteristics of the Archaeal Rudiviral Protein SIRV2_Gp1. <i>Viruses</i> , 2017, 9, 190.	3.3	10
115	Things Are Getting Hairy: Enterobacteria Bacteriophage vB_PcaM_CBB. <i>Frontiers in Microbiology</i> , 2017, 8, 44.	3.5	40
116	Biology and Genomics of an Historic Therapeutic <i>Escherichia coli</i> Bacteriophage Collection. <i>Frontiers in Microbiology</i> , 2017, 8, 1652.	3.5	12
117	Characterisation and genome sequence of the lytic <i>Acinetobacter baumannii</i> bacteriophage vB_AbaS_Loki. <i>PLoS ONE</i> , 2017, 12, e0172303.	2.5	26
118	RNA-Sequencing Reveals the Progression of Phage-Host Interactions between Φ R1-37 and <i>Yersinia enterocolitica</i> . <i>Viruses</i> , 2016, 8, 111.	3.3	72
119	Capsule-Targeting Depolymerase, Derived from <i>Klebsiella</i> KP36 Phage, as a Tool for the Development of Anti-Virulent Strategy. <i>Viruses</i> , 2016, 8, 324.	3.3	117
120	Structural and Enzymatic Characterization of ABgp46, a Novel Phage Endolysin with Broad Anti-Gram-Negative Bacterial Activity. <i>Frontiers in Microbiology</i> , 2016, 7, 208.	3.5	118
121	Characterization of Novel Bacteriophages for Biocontrol of Bacterial Blight in Leek Caused by <i>Pseudomonas syringae</i> pv. <i>porri</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 279.	3.5	86
122	A Protein Interaction Map of the Kalimantacin Biosynthesis Assembly Line. <i>Frontiers in Microbiology</i> , 2016, 7, 1726.	3.5	3
123	Metagenomic Characterisation of the Viral Community of Lough Neagh, the Largest Freshwater Lake in Ireland. <i>PLoS ONE</i> , 2016, 11, e0150361.	2.5	87
124	Efficacy of Artilysin Art-175 against Resistant and Persistent <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3480-3488.	3.2	99
125	From endolysins to Artilysin [®] s: novel enzyme-based approaches to kill drug-resistant bacteria. <i>Biochemical Society Transactions</i> , 2016, 44, 123-128.	3.4	89
126	Bioluminescent avian pathogenic <i>Escherichia coli</i> for monitoring colibacillosis in experimentally infected chickens. <i>Veterinary Journal</i> , 2016, 216, 87-92.	1.7	6

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127	Artilyst [™] of endolysin ϕ Sa2lys strongly improves its enzymatic and antibacterial activity against streptococci. <i>Scientific Reports</i> , 2016, 6, 35382.	3.3	52
128	A proposed integrated approach for the preclinical evaluation of phage therapy in <i>Pseudomonas</i> infections. <i>Scientific Reports</i> , 2016, 6, 28115.	3.3	86
129	DUF3380 Domain from a <i>Salmonella</i> Phage Endolysin Shows Potent <i>N</i> -Acetylmuramidase Activity. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4975-4981.	3.1	49
130	Systematic analysis of the kalimantacin assembly line <i>NRPS</i> module using an adapted targeted mutagenesis approach. <i>MicrobiologyOpen</i> , 2016, 5, 279-286.	3.0	5
131	High coverage metabolomics analysis reveals phage-specific alterations to <i>Pseudomonas aeruginosa</i> physiology during infection. <i>ISME Journal</i> , 2016, 10, 1823-1835.	9.8	126
132	Experimental evidence for proteins constituting virion components and particle morphogenesis of bacteriophage ZF40. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw042.	1.8	4
133	Taxonomy of prokaryotic viruses: update from the ICTV bacterial and archaeal viruses subcommittee. <i>Archives of Virology</i> , 2016, 161, 1095-1099.	2.1	83
134	Next-Generation <i>o</i> -omics Approaches Reveal a Massive Alteration of Host RNA Metabolism during Bacteriophage Infection of <i>Pseudomonas aeruginosa</i> . <i>PLoS Genetics</i> , 2016, 12, e1006134.	3.5	94
135	Structural elucidation of a novel mechanism for the bacteriophage-based inhibition of the RNA degradosome. <i>ELife</i> , 2016, 5, .	6.0	47
136	Modular approach to customise sample preparation procedures for viral metagenomics: a reproducible protocol for virome analysis. <i>Scientific Reports</i> , 2015, 5, 16532.	3.3	277
137	Antibacterial phage ORFans of <i>Pseudomonas aeruginosa</i> phage LUZ24 reveal a novel MvaT inhibiting protein. <i>Frontiers in Microbiology</i> , 2015, 6, 1242.	3.5	31
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