Sylvain Moineau

List of Publications by Year
in descending order

243 papers	28,443 citations	19608 61 h-index	6282 158 g-index
264 all docs	264 docs citations	264 times ranked	18024 citing authors

#	Article	IF	Citations
1	CRISPR-Cas Systems in Starter Cultures. , 2022, , 103-112.		1
2	Zebrafish: a big fish in the study of the gut microbiota. Current Opinion in Biotechnology, 2022, 73, 308-313.	3.3	17
3	A truncated anti-CRISPR protein prevents spacer acquisition but not interference. Nature Communications, 2022, 13, 2802.	5.8	8
4	A short overview of the CRISPR-Cas adaptation stage. Canadian Journal of Microbiology, 2021, 67, 1-12.	0.8	15
5	Streamlining CRISPR spacer-based bacterial host predictions to decipher the viral dark matter. Nucleic Acids Research, 2021, 49, 3127-3138.	6.5	72
6	Ectopic Spacer Acquisition in Streptococcus thermophilus CRISPR3 Array. Microorganisms, 2021, 9, 512.	1.6	7
7	Complete Genome Sequences of 10 Lactococcal Skunavirus Phages Isolated from Cheddar Cheese Whey Samples in Canada. Microbiology Resource Announcements, 2021, 10, .	0.3	2
8	Delivery of CRISPR-Cas systems using phage-based vectors. Current Opinion in Biotechnology, 2021, 68, 174-180.	3.3	23
9	Functional Study of the Type II-A CRISPR-Cas System of <i>Streptococcus agalactiae</i> Hypervirulent Strains. CRISPR Journal, 2021, 4, 233-242.	1.4	4
10	Cooperation between Different CRISPR-Cas Types Enables Adaptation in an RNA-Targeting System. MBio, 2021, 12, .	1.8	24
11	Genomic diversity and <scp>CRISPRâ€Cas</scp> systems in the cyanobacterium <i>Nostoc</i> in the High Arctic. Environmental Microbiology, 2021, 23, 2955-2968.	1.8	7
12	Primed CRISPR-Cas Adaptation and Impaired Phage Adsorption in Streptococcus mutans. MSphere, 2021, 6, .	1.3	5
13	Induction and Elimination of Prophages Using CRISPR Interference. CRISPR Journal, 2021, 4, 549-557.	1.4	3
14	The endless battle between phages and CRISPRâ€"Cas systems in Streptococcus thermophilus. Biochemistry and Cell Biology, 2021, 99, 397-402.	0.9	3
15	Analysis of viromes and microbiomes from pig fecal samples reveals that phages and prophages rarely carry antibiotic resistance genes. ISME Communications, 2021, 1, .	1.7	20
16	Phage Cocktail Development against Aeromonas salmonicida subsp. salmonicida Strains Is Compromised by a Prophage. Viruses, 2021, 13, 2241.	1.5	5
17	Evolutionary classification of CRISPRâ€"Cas systems: a burst of class 2 and derived variants. Nature Reviews Microbiology, 2020, 18, 67-83.	13.6	1,427
18	Versatile and robust genome editing with <i>Streptococcus thermophilus</i> CRISPR1-Cas9. Genome Research, 2020, 30, 107-117.	2.4	51

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19	A Lactococcal Phage Protein Promotes Viral Propagation and Alters the Host Proteomic Response During Infection. Viruses, 2020, 12, 797.	1.5	4
20	Detection of preQ0 deazaguanine modifications in bacteriophage CAjan DNA using Nanopore sequencing reveals same hypermodification at two distinct DNA motifs. Nucleic Acids Research, 2020, 48, 10383-10396.	6.5	22
21	Structural Insights into Lactococcal Siphophage p2 Baseplate Activation Mechanism. Viruses, 2020, 12, 878.	1.5	7
22	Comparative genomic analysis of 142 bacteriophages infecting Salmonella enterica subsp. enterica. BMC Genomics, 2020, 21, 374.	1.2	14
23	<scp>DNA</scp><scp>tandem</scp> repeats contribute to the genetic diversity of <i>Brevibacterium aurantiacum</i> phages. Environmental Microbiology, 2020, 22, 3413-3428.	1.8	10
24	A Jumbo Formation in the Viral Game Plan. CRISPR Journal, 2020, 3, 14-17.	1.4	2
25	Source Tracking Based on Core Genome SNV and CRISPR Typing of Salmonella enterica Serovar Heidelberg Isolates Involved in Foodborne Outbreaks in QuÃ©bec, 2012. Frontiers in Microbiology, 2020, 11, 1317.	1.5	6
26	Characterization of a Type II-A CRISPR-Cas System in <i>Streptococcus mutans</i>. MSphere, 2020, 5, .	1.3	14
27	How are genes modified? Crossbreeding, mutagenesis, and CRISPR-Cas9. , 2020, , 39-54.		4
28	Virulent coliphages in 1-year-old children fecal samples are fewer, but more infectious than temperate coliphages. Nature Communications, 2020, 11, 378.	5.8	59
29	Novel Genus of Phages Infecting Streptococcus thermophilus: Genomic and Morphological Characterization. Applied and Environmental Microbiology, 2020, 86, .	1.4	22
30	Phage diversity, genomics and phylogeny. Nature Reviews Microbiology, 2020, 18, 125-138.	13.6	455
31	<i>Lactococcus lactis</i> type III-A CRISPR-Cas system cleaves bacteriophage RNA. RNA Biology, 2019, 16, 461-468.	1.5	18
32	Mobilome of Brevibacterium aurantiacum Sheds Light on Its Genetic Diversity and Its Adaptation to Smear-Ripened Cheeses. Frontiers in Microbiology, 2019, 10, 1270.	1.5	12
33	A Protocol for Extraction of Infective Viromes Suitable for Metagenomics Sequencing from Low Volume Fecal Samples. Viruses, 2019, 11, 667.	1.5	32
34	Cas9 Allosteric Inhibition by the Anti-CRISPR Protein AcrIIA6. Molecular Cell, 2019, 76, 922-937.e7.	4.5	44
35	A mutation in the methionine aminopeptidase gene provides phage resistance in Streptococcus thermophilus. Scientific Reports, 2019, 9, 13816.	1.6	17
36	Diversity and Host Specificity Revealed by Biological Characterization and Whole Genome Sequencing of Bacteriophages Infecting Salmonella enterica. Viruses, 2019, 11, 854.	1.5	32

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37	Investigating Lactococcus lactis MG1363 Response to Phage p2 Infection at the Proteome Level. Molecular and Cellular Proteomics, 2019, 18, 704-714.	2.5	12
38	Complete Genome Sequence of Escherichia coli Siphophage BRET. Microbiology Resource Announcements, 2019, 8, .	0.3	4
39	Would Bacteriophages Be a New Old Complement to Antibiotics in Aquaculture?. , 2019, , 51-68.		2
40	Beyond the Aâ€layer: adsorption of lipopolysaccharides and characterization of bacteriophageâ€insensitive mutants of <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i>. Molecular Microbiology, 2019, 112, 667-677.	1.2	17
41	Variability in the durability of CRISPR-Cas immunity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180097.	1.8	25
42	7-Deazaguanine modifications protect phage DNA from host restriction systems. Nature Communications, 2019, 10, 5442.	5.8	63
43	Characterization of CRISPRâ€Cas systems in the <i>Ralstonia solanacearum</i> species complex. Molecular Plant Pathology, 2019, 20, 223-239.	2.0	12
44	Comparison of advanced whole genome sequence-based methods to distinguish strains of Salmonella enterica serovar Heidelberg involved in foodborne outbreaks in QuÃ©bec. Food Microbiology, 2018, 73, 99-110.	2.1	45
45	Immune loss as a driver of coexistence during host-phage coevolution. ISME Journal, 2018, 12, 585-597.	4.4	50
46	Phages as friends and enemies in food processing. Current Opinion in Biotechnology, 2018, 49, 185-190.	3.3	72
47	The Tape Measure Protein Is Involved in the Heat Stability of Lactococcus lactis Phages. Applied and Environmental Microbiology, 2018, 84, .	1.4	11
48	CRISPRStudio: A User-Friendly Software for Rapid CRISPR Array Visualization. Viruses, 2018, 10, 602.	1.5	45
49	The EcoChip: A Wireless Multi-Sensor Platform for Comprehensive Environmental Monitoring. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1289-1300.	2.7	9
50	Complete Genome Sequence of Ebrios, a Novel T7virus Isolated from the Ebrie Lagoon in Abidjan, CÃ´te dâ€™Ivoire. Genome Announcements, 2018, 6, .	0.8	4
51	Characterization of the Escherichia coli Virulent Myophage ST32. Viruses, 2018, 10, 616.	1.5	24
52	Evolutionary emergence of infectious diseases in heterogeneous host populations. PLoS Biology, 2018, 16, e2006738.	2.6	84
53	A Unified Resource for Tracking Anti-CRISPR Names. CRISPR Journal, 2018, 1, 304-305.	1.4	94
54	A stockpile of antiviral defences. Nature, 2018, 556, 318-319.	13.7	1

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55	Widespread anti-CRISPR proteins in virulent bacteriophages inhibit a range of Cas9 proteins. Nature Communications, 2018, 9, 2919.	5.8	147
56	Salmonella enterica Prophage Sequence Profiles Reflect Genome Diversity and Can Be Used for High Discrimination Subtyping. Frontiers in Microbiology, 2018, 9, 836.	1.5	53
57	Production of Bacteriophages by Listeria Cells Entrapped in Organic Polymers. Viruses, 2018, 10, 324.	1.5	7
58	Microencapsulation of a Staphylococcus phage for concentration and long-term storage. Food Microbiology, 2018, 76, 304-309.	2.1	18
59	Targeted Genome Editing of Virulent Phages Using CRISPR-Cas9. Bio-protocol, 2018, 8, e2674.	0.2	6
60	Characterization of two polyvalent phages infecting Enterobacteriaceae. Scientific Reports, 2017, 7, 40349.	1.6	115
61	CRISPRâ€"Cas in the laboratory classroom. Nature Microbiology, 2017, 2, 17018.	5.9	6
62	Detecting natural adaptation of the Streptococcus thermophilus CRISPR-Cas systems in research and classroom settings. Nature Protocols, 2017, 12, 547-565.	5.5	35
63	Molecular Structure of Lactoferrin Influences the Thermal Resistance of Lactococcal Phages. Journal of Agricultural and Food Chemistry, 2017, 65, 2214-2221.	2.4	7
64	Phage-host interactions in Streptococcus thermophilus: Genome analysis of phages isolated in Uruguay and ectopic spacer acquisition in CRISPR array. Scientific Reports, 2017, 7, 43438.	1.6	45
65	The CRISPR-Cas app goes viral. Current Opinion in Microbiology, 2017, 37, 103-109.	2.3	6
66	Genome Engineering of Virulent Lactococcal Phages Using CRISPR-Cas9. ACS Synthetic Biology, 2017, 6, 1351-1358.	1.9	81
67	Phagebook: The Social Network. Molecular Cell, 2017, 65, 963-964.	4.5	14
68	An anti-CRISPR from a virulent streptococcal phage inhibits Streptococcus pyogenes Cas9. Nature Microbiology, 2017, 2, 1374-1380.	5.9	153
69	Complete Genome Sequence of Streptococcus pneumoniae Virulent Phage MS1. Genome Announcements, 2017, 5, .	0.8	10
70	Characterization of prophages of Lactococcus garvieae. Scientific Reports, 2017, 7, 1856.	1.6	10
71	Characterization and diversity of phages infecting Aeromonas salmonicida subsp. salmonicida. Scientific Reports, 2017, 7, 7054.	1.6	37
72	The effect of bacteriophages on the acidification of a vegetable juice medium by microencapsulated Lactobacillus plantarum. Food Microbiology, 2017, 63, 28-34.	2.1	5

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73	Study of mesophilic Aeromonas salmonicida A527 strain sheds light on the speciesâ€™ lifestyles and taxonomic dilemma. FEMS Microbiology Letters, 2017, 364, .	0.7	24
74	A Syst-OMICS Approach to Ensuring Food Safety and Reducing the Economic Burden of Salmonellosis. Frontiers in Microbiology, 2017, 8, 996.	1.5	42
75	Complete Genome Sequence of Brevibacterium linens SMQ-1335. Genome Announcements, 2016, 4, .	0.8	3
76	Characterization of Five Podoviridae Phages Infecting Citrobacter freundii. Frontiers in Microbiology, 2016, 7, 1023.	1.5	32
77	Phosphorylation, an Altruistic Bacterial Trick to Halt Phages. Cell Host and Microbe, 2016, 20, 409-410.	5.1	0
78	Prophages of the genus <scp><i>B</i></scp><i>ifidobacterium</i> as modulating agents of the infant gut microbiota. Environmental Microbiology, 2016, 18, 2196-2213.	1.8	66
79	Applications of CRISPR-Cas in its natural habitat. Current Opinion in Chemical Biology, 2016, 34, 30-36.	2.8	5
80	Programming Native CRISPR Arrays for the Generation of Targeted Immunity. MBio, 2016, 7, .	1.8	25
81	Efficacy of two Staphylococcus aureus phage cocktails in cheese production. International Journal of Food Microbiology, 2016, 217, 7-13.	2.1	36
82	Genomic Diversity of Phages Infecting Probiotic Strains of Lactobacillus paracasei. Applied and Environmental Microbiology, 2016, 82, 95-105.	1.4	36
83	Resistance of Aerosolized Bacterial Viruses to Four Germicidal Products. PLoS ONE, 2016, 11, e0168815.	1.1	19
84	The CRISPR-Cas Immune System and Genetic Transfers: Reaching an Equilibrium. Microbiology Spectrum, 2015, 3, PLAS-0034-2014.	1.2	22
85	A genomic approach to understand interactions between Streptococcus pneumoniae and its bacteriophages. BMC Genomics, 2015, 16, 972.	1.2	16
86	Diverse Virulent Pneumophages Infect Streptococcus mitis. PLoS ONE, 2015, 10, e0118807.	1.1	13
87	Phages of dairy Leuconostoc mesenteroides: Genomics and factors influencing their adsorption. International Journal of Food Microbiology, 2015, 201, 58-65.	2.1	16
88	The targeted recognition of <scp><i>L</i></scp><i>actococcus lactis</i> phages to their polysaccharide receptors. Molecular Microbiology, 2015, 96, 875-886.	1.2	39
89	Investigating the requirement for calcium during lactococcal phage infection. International Journal of Food Microbiology, 2015, 201, 47-51.	2.1	21
90	A proposed new bacteriophage subfamily: â€œJerseyvirinaeâ€. Archives of Virology, 2015, 160, 1021-1033.	0.9	22

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91	Costs of CRISPR-Cas-mediated resistance in<i>Streptococcus thermophilus</i>. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151270.	1.2	101
92	Machine Learning Assisted Design of Highly Active Peptides for Drug Discovery. PLoS Computational Biology, 2015, 11, e1004074.	1.5	45
93	Investigation of the protective effect of whey proteins on lactococcal phages during heat treatment at various pH. International Journal of Food Microbiology, 2015, 210, 33-41.	2.1	13
94	Mutational Analysis of the Antitoxin in the Lactococcal Type III Toxin-Antitoxin System AbiQ. Applied and Environmental Microbiology, 2015, 81, 3848-3855.	1.4	11
95	An updated evolutionary classification of CRISPRâ€“Cas systems. Nature Reviews Microbiology, 2015, 13, 722-736.	13.6	2,081
96	A Virulent Phage Infecting Lactococcus garvieae, with Homology to Lactococcus lactis Phages. Applied and Environmental Microbiology, 2015, 81, 8358-8365.	1.4	10
97	Resistance of Aerosolized Bacterial Viruses to Relative Humidity and Temperature. Applied and Environmental Microbiology, 2015, 81, 7305-7311.	1.4	38
98	Complete Genome Sequence of Streptococcus thermophilus SMQ-301, a Model Strain for Phage-Host Interactions. Genome Announcements, 2015, 3, .	0.8	33
99	Procedures for Generating CRISPR Mutants with Novel Spacers Acquired from Viruses or Plasmids. Methods in Molecular Biology, 2015, 1311, 195-222.	0.4	2
100	Improving the Safety of Staphylococcus aureus Polyvalent Phages by Their Production on a Staphylococcus xylosus Strain. PLoS ONE, 2014, 9, e102600.	1.1	43
101	Complete Genome Sequence of a Staphylococcus epidermidis Bacteriophage Isolated from the Anterior Nares of Humans. Genome Announcements, 2014, 2, .	0.8	10
102	First Complete Genome Sequence of Staphylococcus xylosus, a Meat Starter Culture and a Host to Propagate Staphylococcus aureus Phages. Genome Announcements, 2014, 2, .	0.8	16
103	CRISPR-Cas: an efficient tool for genome engineering of virulent bacteriophages. Nucleic Acids Research, 2014, 42, 9504-9513.	6.5	131
104	Comparison of Five Bacteriophages as Models for Viral Aerosol Studies. Applied and Environmental Microbiology, 2014, 80, 4242-4250.	1.4	155
105	The three major types of <scp>CRISPR</scp>â€<scp>Cas</scp> systems function independently in <scp>CRISPR RNA</scp> biogenesis in <scp><i>S</i></scp><i>treptococcus thermophilus</i>. Molecular Microbiology, 2014, 93, 98-112.	1.2	81
106	Inactivation of dairy bacteriophages by commercial sanitizers and disinfectants. International Journal of Food Microbiology, 2014, 171, 41-47.	2.1	34
107	Cryo-Electron Microscopy Structure of Lactococcal Siphophage 1358 Virion. Journal of Virology, 2014, 88, 8900-8910.	1.5	30
108	A New Microviridae Phage Isolated from a Failed Biotechnological Process Driven by Escherichia coli. Applied and Environmental Microbiology, 2014, 80, 6992-7000.	1.4	14

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109	Adaptation in bacterial CRISPR-Cas immunity can be driven by defective phages. Nature Communications, 2014, 5, 4399.	5.8	117
110	Molecular Insights on the Recognition of a Lactococcus lactis Cell Wall Pellicle by the Phage 1358 Receptor Binding Protein. Journal of Virology, 2014, 88, 7005-7015.	1.5	53
111	Bacteriophages in Industrial Food Processing: Incidence and Control in Industrial Fermentation. , 2014, , 199-216.		1
112	The DNA binding mechanism of a SSB protein from Lactococcus lactis siphophage p2. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1070-1076.	1.1	6
113	Phages hijack a host's defence. Nature, 2013, 494, 433-434.	13.7	13
114	Revenge of the phages: defeating bacterial defences. Nature Reviews Microbiology, 2013, 11, 675-687.	13.6	572
115	The double-edged sword of CRISPR-Cas systems. Cell Research, 2013, 23, 15-17.	5.7	7
116	Type II: Streptococcus thermophilus. , 2013, , 171-200.		1
117	Bacteriophages in Food Fermentations: New Frontiers in a Continuous Arms Race. Annual Review of Food Science and Technology, 2013, 4, 347-368.	5.1	113
118	CRISPR-Cas and restrictionâ€“modification systems are compatible and increase phage resistance. Nature Communications, 2013, 4, 2087.	5.8	242
119	Effect of the Abortive Infection Mechanism and Type III Toxin/Antitoxin System AbiQ on the Lytic Cycle of Lactococcus lactis Phages. Journal of Bacteriology, 2013, 195, 3947-3956.	1.0	47
120	Structure, Adsorption to Host, and Infection Mechanism of Virulent Lactococcal Phage p2. Journal of Virology, 2013, 87, 12302-12312.	1.5	85
121	The Population and Evolutionary Dynamics of Phage and Bacteria with CRISPRâ€“Mediated Immunity. PLoS Genetics, 2013, 9, e1003312.	1.5	147
122	Identification of a New P335 Subgroup through Molecular Analysis of Lactococcal Phages Q33 and BM13. Applied and Environmental Microbiology, 2013, 79, 4401-4409.	1.4	48
123	Characterization of a Novel Panton-Valentine Leukocidin (PVL)-Encoding Staphylococcal Phage and Its Naturally PVL-Lacking Variant. Applied and Environmental Microbiology, 2013, 79, 2828-2832.	1.4	16
124	Structure and activity of <scp>AbiQ</scp>, a lactococcal endoribonuclease belonging to the type <scp>III</scp> toxinâ€“antitoxin system. Molecular Microbiology, 2013, 87, 756-768.	1.2	57
125	Type II: Streptococcus thermophilus. , 2013, , 171-200.		1
126	Multilocus Sequence Typing Scheme for the Characterization of 936-Like Phages Infecting Lactococcus lactis. Applied and Environmental Microbiology, 2012, 78, 4646-4653.	1.4	18

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127	Biology and Genome Sequence of Streptococcus mutans Phage M102AD. Applied and Environmental Microbiology, 2012, 78, 2264-2271.	1.4	24
128	Involvement of the Major Capsid Protein and Two Early-Expressed Phage Genes in the Activity of the Lactococcal Abortive Infection Mechanism AbiT. Applied and Environmental Microbiology, 2012, 78, 6890-6899.	1.4	28
129	Characterization of Two Virulent Phages of Lactobacillus plantarum. Applied and Environmental Microbiology, 2012, 78, 8719-8734.	1.4	38
130	Bacteriophages and dairy fermentations. Bacteriophage, 2012, 2, 149-158.	1.9	169
131	Evaluation of bacterial contaminants found on unused paper towels and possible postcontamination after handwashing: A pilot study. American Journal of Infection Control, 2012, 40, e5-e9.	1.1	24
132	Phage Morphology Recapitulates Phylogeny: The Comparative Genomics of a New Group of Myoviruses. PLoS ONE, 2012, 7, e40102.	1.1	52
133	Cleavage of Phage DNA by the Streptococcus thermophilus CRISPR3-Cas System. PLoS ONE, 2012, 7, e40913.	1.1	96
134	Detection of Airborne Lactococcal Bacteriophages in Cheese Manufacturing Plants. Applied and Environmental Microbiology, 2011, 77, 491-497.	1.4	83
135	Bacteriophages of lactic acid bacteria and their impact on milk fermentations. Microbial Cell Factories, 2011, 10, S20.	1.9	196
136	Evolution and classification of the CRISPRâ€“Cas systems. Nature Reviews Microbiology, 2011, 9, 467-477.	13.6	2,078
137	Lactococcal phage p2 ORF35â€Sak3 is an ATPase involved in DNA recombination and AbiK mechanism. Molecular Microbiology, 2011, 80, 102-116.	1.2	23
138	Staphylococcus epidermidis Bacteriophages from the Anterior Nares of Humans. Applied and Environmental Microbiology, 2011, 77, 7853-7855.	1.4	14
139	The Proteome and Interactome of Streptococcus pneumoniae Phage Cp-1. Journal of Bacteriology, 2011, 193, 3135-3138.	1.0	15
140	A reverse transcriptase-related protein mediates phage resistance and polymerizes untemplated DNA in vitro. Nucleic Acids Research, 2011, 39, 7620-7629.	6.5	49
141	Genome Annotation and Intraviral Interactome for the <i>Streptococcus pneumoniae</i> Virulent Phage Dp-1. Journal of Bacteriology, 2011, 193, 551-562.	1.0	50
142	The CRISPR/Cas bacterial immune system cleaves bacteriophage and plasmid DNA. Nature, 2010, 468, 67-71.	13.7	1,897
143	Bacteriophage resistance mechanisms. Nature Reviews Microbiology, 2010, 8, 317-327.	13.6	1,906
144	Comparison of Polycarbonate and Polytetrafluoroethylene Filters for Sampling of Airborne Bacteriophages. Aerosol Science and Technology, 2010, 44, 197-201.	1.5	27

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145	Lactococcal Abortive Infection Protein AbiV Interacts Directly with the Phage Protein SaV and Prevents Translation of Phage Proteins. Applied and Environmental Microbiology, 2010, 76, 7085-7092.	1.4	23
146	Characterization of <i>Lactococcus lactis</i> Phage 949 and Comparison with Other Lactococcal Phages. Applied and Environmental Microbiology, 2010, 76, 6843-6852.	1.4	51
147	Structure of lactococcal phage p2 baseplate and its mechanism of activation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6852-6857.	3.3	143
148	Evaluation of Filters for the Sampling and Quantification of RNA Phage Aerosols. Aerosol Science and Technology, 2010, 44, 893-901.	1.5	69
149	Genome Organization and Characterization of the Virulent Lactococcal Phage 1358 and Its Similarities to <i>Listeria</i> Phages. Applied and Environmental Microbiology, 2010, 76, 1623-1632.	1.4	34
150	CRISPR/Cas System and Its Role in Phage-Bacteria Interactions. Annual Review of Microbiology, 2010, 64, 475-493.	2.9	512
151	Streptococcus thermophilus bacteriophages. International Dairy Journal, 2010, 20, 657-664.	1.5	53
152	Deciphering the function of lactococcal phage ul36 Sak domains. Journal of Structural Biology, 2010, 170, 462-469.	1.3	20
153	Solution and electron microscopy characterization of lactococcal phage baseplates expressed in Escherichia coli. Journal of Structural Biology, 2010, 172, 75-84.	1.3	35
154	Bacteriophages of Lactobacillus. Frontiers in Bioscience - Landmark, 2009, Volume, 1661.	3.0	63
155	Evolution of Lactococcus lactis Phages within a Cheese Factory. Applied and Environmental Microbiology, 2009, 75, 5336-5344.	1.4	73
156	Crystal Structure and Function of a DARPin Neutralizing Inhibitor of Lactococcal Phage TP901-1. Journal of Biological Chemistry, 2009, 284, 30718-30726.	1.6	55
157	Crystal Structure of ORF12 from<i>Lactococcus lactis</i>Phage p2 Identifies a Tape Measure Protein Chaperone. Journal of Bacteriology, 2009, 191, 728-734.	1.0	26
158	Activation and Transfer of the Chromosomal Phage Resistance Mechanism AbiV in Lactococcus lactis. Applied and Environmental Microbiology, 2009, 75, 3358-3361.	1.4	8
159	Crystal Structure of a Chimeric Receptor Binding Protein Constructed from Two Lactococcal Phages. Journal of Bacteriology, 2009, 191, 3220-3225.	1.0	22
160	Identification and Characterization of the Phage Gene <i>sav</i> , Involved in Sensitivity to the Lactococcal Abortive Infection Mechanism AbiV. Applied and Environmental Microbiology, 2009, 75, 2484-2494.	1.4	24
161	P087, a lactococcal phage with a morphogenesis module similar to an Enterococcus faecalis prophage. Virology, 2009, 388, 49-56.	1.1	31
162	Genome analysis of two virulent Streptococcus thermophilus phages isolated in Argentina. International Journal of Food Microbiology, 2009, 136, 101-109.	2.1	36

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163	Structure and function of phage p2 ORF34_{p2}, a new type of singleâ€stranded DNA binding protein. Molecular Microbiology, 2009, 73, 1156-1170.	1.2	15
164	Phage Production and Maintenance of Stocks, Including Expected Stock Lifetimes. Methods in Molecular Biology, 2009, 501, 203-219.	0.4	70
165	Fat-free yogurt made using a galactose-positive exopolysaccharide-producing recombinant strain of Streptococcus thermophilus. Journal of Dairy Science, 2009, 92, 477-482.	1.4	56
166	Characterization of 1706, a virulent phage from Lactococcus lactis with similarities to prophages from other Firmicutes. Virology, 2008, 373, 298-309.	1.1	77
167	Functional and Structural Basis for a Bacteriophage Homolog of Human RAD52. Current Biology, 2008, 18, 1142-1146.	1.8	66
168	Phage Response to CRISPR-Encoded Resistance in <i>Streptococcus thermophilus</i>. Journal of Bacteriology, 2008, 190, 1390-1400.	1.0	1,110
169	Diversity, Activity, and Evolution of CRISPR Loci in <i>Streptococcus thermophilus</i>. Journal of Bacteriology, 2008, 190, 1401-1412.	1.0	748
170	Role of <i>galK</i> and <i>galM</i> in Galactose Metabolism by <i>Streptococcus thermophilus</i>. Applied and Environmental Microbiology, 2008, 74, 1264-1267.	1.4	49
171	Methods for Sampling of Airborne Viruses. Microbiology and Molecular Biology Reviews, 2008, 72, 413-444.	2.9	343
172	Morphology, Genome Sequence, and Structural Proteome of Type Phage P335 from <i>Lactococcus lactis</i>. Applied and Environmental Microbiology, 2008, 74, 4636-4644.	1.4	52
173	AbiV, a Novel Antiphage Abortive Infection Mechanism on the Chromosome of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> MG1363. Applied and Environmental Microbiology, 2008, 74, 6528-6537.	1.4	32
174	Abortive Infection Mechanisms and Prophage Sequences Significantly Influence the Genetic Makeup of Emerging Lytic Lactococcal Phages. Journal of Bacteriology, 2007, 189, 1482-1487.	1.0	95
175	Morphological and Genetic Diversity of Temperate Phages in <i>Clostridium difficile</i>. Applied and Environmental Microbiology, 2007, 73, 7358-7366.	1.4	98
176	CRISPR Provides Acquired Resistance Against Viruses in Prokaryotes. Science, 2007, 315, 1709-1712.	6.0	4,956
177	Galactose Metabolism and Capsule Formation in a Recombinant Strain of Streptococcus thermophilus with a Galactose-Fermenting Phenotype. Journal of Dairy Science, 2007, 90, 4051-4057.	1.4	10
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