

Sylvain Moineau

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.

243
papers

20,923
citations

57
h-index

141
g-index

263
ext. papers

25,351
ext. citations

7.3
avg, IF

6.89
L-index

#	Paper	IF	Citations
243	CRISPR-Cas Systems in Starter Cultures 2022 , 103-112		
242	A truncated anti-CRISPR protein prevents spacer acquisition but not interference.. <i>Nature Communications</i> , 2022 , 13, 2802	17.4	0
241	Zebrafish: a big fish in the study of the gut microbiota. <i>Current Opinion in Biotechnology</i> , 2021 , 73, 308-313	13.4	0
240	Streamlining CRISPR spacer-based bacterial host predictions to decipher the viral dark matter. <i>Nucleic Acids Research</i> , 2021 , 49, 3127-3138	20.1	17
239	Ectopic Spacer Acquisition in CRISPR3 Array. <i>Microorganisms</i> , 2021 , 9,	4.9	3
238	Delivery of CRISPR-Cas systems using phage-based vectors. <i>Current Opinion in Biotechnology</i> , 2021 , 68, 174-180	11.4	11
237	Functional Study of the Type II-A CRISPR-Cas System of Hypervirulent Strains. <i>CRISPR Journal</i> , 2021 , 4, 233-242	2.5	2
236	Cooperation between Different CRISPR-Cas Types Enables Adaptation in an RNA-Targeting System. <i>MBio</i> , 2021 , 12,	7.8	10
235	Genomic diversity and CRISPR-Cas systems in the cyanobacterium Nostoc in the High Arctic. <i>Environmental Microbiology</i> , 2021 , 23, 2955-2968	5.2	1
234	Primed CRISPR-Cas Adaptation and Impaired Phage Adsorption in Streptococcus mutans. <i>MSphere</i> , 2021 , 6,	5	3
233	A short overview of the CRISPR-Cas adaptation stage. <i>Canadian Journal of Microbiology</i> , 2021 , 67, 1-12	3.2	7
232	Induction and Elimination of Prophages Using CRISPR Interference. <i>CRISPR Journal</i> , 2021 , 4, 549-557	2.5	0
231	The endless battle between phages and CRISPR-Cas systems in. <i>Biochemistry and Cell Biology</i> , 2021 , 99, 397-402	3.6	1
230	Comparative genomic analysis of 142 bacteriophages infecting Salmonella enterica subsp. enterica. <i>BMC Genomics</i> , 2020 , 21, 374	4.5	5
229	DNA tandem repeats contribute to the genetic diversity of Brevibacterium aurantiacum phages. <i>Environmental Microbiology</i> , 2020 , 22, 3413-3428	5.2	2
228	A Jumbo Formation in the Viral Game Plan. <i>CRISPR Journal</i> , 2020 , 3, 14-17	2.5	2
227	Source Tracking Based on Core Genome SNV and CRISPR Typing of Serovar Heidelberg Isolates Involved in Foodborne Outbreaks in Québec, 2012. <i>Frontiers in Microbiology</i> , 2020 , 11, 1317	5.7	3

226	Characterization of a Type II-A CRISPR-Cas System in. <i>MSphere</i> , 2020 , 5,	5	8
225	How are genes modified? Crossbreeding, mutagenesis, and CRISPR-Cas9 2020 , 39-54		3
224	Virulent coliphages in 1-year-old children fecal samples are fewer, but more infectious than temperate coliphages. <i>Nature Communications</i> , 2020 , 11, 378	17.4	30
223	Phage diversity, genomics and phylogeny. <i>Nature Reviews Microbiology</i> , 2020 , 18, 125-138	22.2	160
222	Evolutionary classification of CRISPR-Cas systems: a burst of class 2 and derived variants. <i>Nature Reviews Microbiology</i> , 2020 , 18, 67-83	22.2	545
221	Versatile and robust genome editing with CRISPR1-Cas9. <i>Genome Research</i> , 2020 , 30, 107-117	9.7	25
220	A Lactococcal Phage Protein Promotes Viral Propagation and Alters the Host Proteomic Response During Infection. <i>Viruses</i> , 2020 , 12,	6.2	1
219	Detection of preQ0 deazaguanine modifications in bacteriophage CAjan DNA using Nanopore sequencing reveals same hypermodification at two distinct DNA motifs. <i>Nucleic Acids Research</i> , 2020 , 48, 10383-10396	20.1	6
218	Structural Insights into Lactococcal Siphophage p2 Baseplate Activation Mechanism. <i>Viruses</i> , 2020 , 12,	6.2	3
217	Novel Genus of Phages Infecting <i>Streptococcus thermophilus</i> : Genomic and Morphological Characterization. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	10
216	A mutation in the methionine aminopeptidase gene provides phage resistance in <i>Streptococcus thermophilus</i> . <i>Scientific Reports</i> , 2019 , 9, 13816	4.9	14
215	Diversity and Host Specificity Revealed by Biological Characterization and Whole Genome Sequencing of Bacteriophages Infecting. <i>Viruses</i> , 2019 , 11,	6.2	17
214	Investigating MG1363 Response to Phage p2 Infection at the Proteome Level. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 704-714	7.6	6
213	Complete Genome Sequence of <i>Escherichia coli</i> Siphophage BRET. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	3
212	Would Bacteriophages Be a New Old Complement to Antibiotics in Aquaculture? 2019 , 51-68		0
211	Beyond the A-layer: adsorption of lipopolysaccharides and characterization of bacteriophage-insensitive mutants of <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> . <i>Molecular Microbiology</i> , 2019 , 112, 667-677	4.1	8
210	Variability in the durability of CRISPR-Cas immunity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180097	5.8	12
209	<i>Lactococcus lactis</i> type III-A CRISPR-Cas system cleaves bacteriophage RNA. <i>RNA Biology</i> , 2019 , 16, 461-468		13

208	Mobilome of Sheds Light on Its Genetic Diversity and Its Adaptation to Smear-Ripened Cheeses. <i>Frontiers in Microbiology</i> , 2019 , 10, 1270	5.7	7
207	A Protocol for Extraction of Infective Viromes Suitable for Metagenomics Sequencing from Low Volume Fecal Samples. <i>Viruses</i> , 2019 , 11,	6.2	12
206	Cas9 Allosteric Inhibition by the Anti-CRISPR Protein AcrIIA6. <i>Molecular Cell</i> , 2019 , 76, 922-937.e7	17.6	24
205	7-Deazaguanine modifications protect phage DNA from host restriction systems. <i>Nature Communications</i> , 2019 , 10, 5442	17.4	34
204	Characterization of CRISPR-Cas systems in the <i>Ralstonia solanacearum</i> species complex. <i>Molecular Plant Pathology</i> , 2019 , 20, 223-239	5.7	5
203	Comparison of advanced whole genome sequence-based methods to distinguish strains of <i>Salmonella enterica</i> serovar Heidelberg involved in foodborne outbreaks in Québec. <i>Food Microbiology</i> , 2018 , 73, 99-110	6	25
202	Immune loss as a driver of coexistence during host-phage coevolution. <i>ISME Journal</i> , 2018 , 12, 585-597	11.9	34
201	Phages as friends and enemies in food processing. <i>Current Opinion in Biotechnology</i> , 2018 , 49, 185-190	11.4	45
200	Widespread anti-CRISPR proteins in virulent bacteriophages inhibit a range of Cas9 proteins. <i>Nature Communications</i> , 2018 , 9, 2919	17.4	108
199	Prophage Sequence Profiles Reflect Genome Diversity and Can Be Used for High Discrimination Subtyping. <i>Frontiers in Microbiology</i> , 2018 , 9, 836	5.7	24
198	Production of Bacteriophages by <i>Listeria</i> Cells Entrapped in Organic Polymers. <i>Viruses</i> , 2018 , 10,	6.2	5
197	Microencapsulation of a <i>Staphylococcus</i> phage for concentration and long-term storage. <i>Food Microbiology</i> , 2018 , 76, 304-309	6	9
196	Targeted Genome Editing of Virulent Phages Using CRISPR-Cas9. <i>Bio-protocol</i> , 2018 , 8, e2674	0.9	2
195	The Tape Measure Protein Is Involved in the Heat Stability of <i>Lactococcus lactis</i> Phages. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	7
194	CRISPRStudio: A User-Friendly Software for Rapid CRISPR Array Visualization. <i>Viruses</i> , 2018 , 10,	6.2	24
193	The EcoChip: A Wireless Multi-Sensor Platform for Comprehensive Environmental Monitoring. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018 , 12, 1289-1300	5.1	4
192	Complete Genome Sequence of Ebrios, a Novel T7virus Isolated from the Ebrie Lagoon in Abidjan, Côte d'Ivoire. <i>Genome Announcements</i> , 2018 , 6,		2
191	Characterization of the Virulent Myophage ST32. <i>Viruses</i> , 2018 , 10,	6.2	11

190	Evolutionary emergence of infectious diseases in heterogeneous host populations. <i>PLoS Biology</i> , 2018 , 16, e2006738	9.7	49
189	A Unified Resource for Tracking Anti-CRISPR Names. <i>CRISPR Journal</i> , 2018 , 1, 304-305	2.5	50
188	Characterization of two polyvalent phages infecting Enterobacteriaceae. <i>Scientific Reports</i> , 2017 , 7, 40349	4.9	71
187	CRISPR-Cas in the laboratory classroom. <i>Nature Microbiology</i> , 2017 , 2, 17018	26.6	3
186	Detecting natural adaptation of the Streptococcus thermophilus CRISPR-Cas systems in research and classroom settings. <i>Nature Protocols</i> , 2017 , 12, 547-565	18.8	22
185	Molecular Structure of Lactoferrin Influences the Thermal Resistance of Lactococcal Phages. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 2214-2221	5.7	5
184	Phage-host interactions in Streptococcus thermophilus: Genome analysis of phages isolated in Uruguay and ectopic spacer acquisition in CRISPR array. <i>Scientific Reports</i> , 2017 , 7, 43438	4.9	33
183	The CRISPR-Cas app goes viral. <i>Current Opinion in Microbiology</i> , 2017 , 37, 103-109	7.9	6
182	Genome Engineering of Virulent Lactococcal Phages Using CRISPR-Cas9. <i>ACS Synthetic Biology</i> , 2017 , 6, 1351-1358	5.7	58
181	Phagebook: The Social Network. <i>Molecular Cell</i> , 2017 , 65, 963-964	17.6	10
180	An anti-CRISPR from a virulent streptococcal phage inhibits Streptococcus pyogenes Cas9. <i>Nature Microbiology</i> , 2017 , 2, 1374-1380	26.6	117
179	Complete Genome Sequence of Virulent Phage MS1. <i>Genome Announcements</i> , 2017 , 5,		8
178	Characterization of prophages of Lactococcus garvieae. <i>Scientific Reports</i> , 2017 , 7, 1856	4.9	7
177	Characterization and diversity of phages infecting Aeromonas salmonicida subsp. salmonicida. <i>Scientific Reports</i> , 2017 , 7, 7054	4.9	23
176	The effect of bacteriophages on the acidification of a vegetable juice medium by microencapsulated Lactobacillus plantarum. <i>Food Microbiology</i> , 2017 , 63, 28-34	6	4
175	Study of mesophilic Aeromonas salmonicida A527 strain sheds light on the speciesRifestyles and taxonomic dilemma. <i>FEMS Microbiology Letters</i> , 2017 , 364,	2.9	17
174	A Syst-OMICS Approach to Ensuring Food Safety and Reducing the Economic Burden of Salmonellosis. <i>Frontiers in Microbiology</i> , 2017 , 8, 996	5.7	28
173	Genomic Diversity of Phages Infecting Probiotic Strains of Lactobacillus paracasei. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 95-105	4.8	29

172	Prophages of the genus Bifidobacterium as modulating agents of the infant gut microbiota. <i>Environmental Microbiology</i> , 2016 , 18, 2196-213	5.2	49
171	Applications of CRISPR-Cas in its natural habitat. <i>Current Opinion in Chemical Biology</i> , 2016 , 34, 30-36	9.7	5
170	Programming Native CRISPR Arrays for the Generation of Targeted Immunity. <i>MBio</i> , 2016 , 7,	7.8	18
169	Efficacy of two Staphylococcus aureus phage cocktails in cheese production. <i>International Journal of Food Microbiology</i> , 2016 , 217, 7-13	5.8	25
168	Resistance of Aerosolized Bacterial Viruses to Four Germicidal Products. <i>PLoS ONE</i> , 2016 , 11, e0168815	3.7	15
167	Complete Genome Sequence of Brevibacterium linens SMQ-1335. <i>Genome Announcements</i> , 2016 , 4,		2
166	Characterization of Five Podoviridae Phages Infecting Citrobacter freundii. <i>Frontiers in Microbiology</i> , 2016 , 7, 1023	5.7	20
165	Phosphorylation, an Altruistic Bacterial Trick to Halt Phages. <i>Cell Host and Microbe</i> , 2016 , 20, 409-410	23.4	
164	Phages of dairy Leuconostoc mesenteroides: genomics and factors influencing their adsorption. <i>International Journal of Food Microbiology</i> , 2015 , 201, 58-65	5.8	14
163	The targeted recognition of Lactococcus lactis phages to their polysaccharide receptors. <i>Molecular Microbiology</i> , 2015 , 96, 875-86	4.1	29
162	Investigating the requirement for calcium during lactococcal phage infection. <i>International Journal of Food Microbiology</i> , 2015 , 201, 47-51	5.8	13
161	A proposed new bacteriophage subfamily: "Jerseyvirinae". <i>Archives of Virology</i> , 2015 , 160, 1021-33	2.6	16
160	Costs of CRISPR-Cas-mediated resistance in Streptococcus thermophilus. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20151270	4.4	68
159	Machine learning assisted design of highly active peptides for drug discovery. <i>PLoS Computational Biology</i> , 2015 , 11, e1004074	5	30
158	Investigation of the protective effect of whey proteins on lactococcal phages during heat treatment at various pH. <i>International Journal of Food Microbiology</i> , 2015 , 210, 33-41	5.8	10
157	Mutational Analysis of the Antitoxin in the Lactococcal Type III Toxin-Antitoxin System AbiQ. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 3848-55	4.8	8
156	An updated evolutionary classification of CRISPR-Cas systems. <i>Nature Reviews Microbiology</i> , 2015 , 13, 722-36	22.2	1434
155	A virulent phage infecting Lactococcus garvieae, with homology to Lactococcus lactis phages. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 8358-65	4.8	6

154	Resistance of Aerosolized Bacterial Viruses to Relative Humidity and Temperature. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 7305-11	4.8	28
153	Complete Genome Sequence of <i>Streptococcus thermophilus</i> SMQ-301, a Model Strain for Phage-Host Interactions. <i>Genome Announcements</i> , 2015 , 3,		13
152	Procedures for Generating CRISPR Mutants with Novel Spacers Acquired from Viruses or Plasmids. <i>Methods in Molecular Biology</i> , 2015 , 1311, 195-222	1.4	1
151	The CRISPR-Cas Immune System and Genetic Transfers: Reaching an Equilibrium. <i>Microbiology Spectrum</i> , 2015 , 3, PLAS-0034-2014	8.9	16
150	A genomic approach to understand interactions between <i>Streptococcus pneumoniae</i> and its bacteriophages. <i>BMC Genomics</i> , 2015 , 16, 972	4.5	14
149	Diverse virulent pneumophages infect <i>Streptococcus mitis</i> . <i>PLoS ONE</i> , 2015 , 10, e0118807	3.7	11
148	Comparison of five bacteriophages as models for viral aerosol studies. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 4242-50	4.8	106
147	The three major types of CRISPR-Cas systems function independently in CRISPR RNA biogenesis in <i>Streptococcus thermophilus</i> . <i>Molecular Microbiology</i> , 2014 , 93, 98-112	4.1	60
146	Inactivation of dairy bacteriophages by commercial sanitizers and disinfectants. <i>International Journal of Food Microbiology</i> , 2014 , 171, 41-7	5.8	29
145	Cryo-electron microscopy structure of lactococcal siphophage 1358 virion. <i>Journal of Virology</i> , 2014 , 88, 8900-10	6.6	27
144	A new Microviridae phage isolated from a failed biotechnological process driven by <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2014 , 80, 6992-7000	4.8	11
143	Adaptation in bacterial CRISPR-Cas immunity can be driven by defective phages. <i>Nature Communications</i> , 2014 , 5, 4399	17.4	93
142	Molecular insights on the recognition of a <i>Lactococcus lactis</i> cell wall pellicle by the phage 1358 receptor binding protein. <i>Journal of Virology</i> , 2014 , 88, 7005-15	6.6	47
141	Bacteriophages in Industrial Food Processing: Incidence and Control in Industrial Fermentation 2014 , 199-216		1
140	Improving the safety of <i>Staphylococcus aureus</i> polyvalent phages by their production on a <i>Staphylococcus xylosus</i> strain. <i>PLoS ONE</i> , 2014 , 9, e102600	3.7	37
139	Complete Genome Sequence of a <i>Staphylococcus epidermidis</i> Bacteriophage Isolated from the Anterior Nares of Humans. <i>Genome Announcements</i> , 2014 , 2,		6
138	First Complete Genome Sequence of <i>Staphylococcus xylosus</i> , a Meat Starter Culture and a Host to Propagate <i>Staphylococcus aureus</i> Phages. <i>Genome Announcements</i> , 2014 , 2,		10
137	CRISPR-Cas: an efficient tool for genome engineering of virulent bacteriophages. <i>Nucleic Acids Research</i> , 2014 , 42, 9504-13	20.1	98

136	The DNA binding mechanism of a SSB protein from <i>Lactococcus lactis</i> siphophage p2. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 1070-6	4	6
135	Revenge of the phages: defeating bacterial defences. <i>Nature Reviews Microbiology</i> , 2013 , 11, 675-87	22.2	421
134	The double-edged sword of CRISPR-Cas systems. <i>Cell Research</i> , 2013 , 23, 15-7	24.7	7
133	Type II: <i>Streptococcus thermophilus</i> 2013 , 171-200		1
132	Bacteriophages in food fermentations: new frontiers in a continuous arms race. <i>Annual Review of Food Science and Technology</i> , 2013 , 4, 347-68	14.7	73
131	CRISPR-Cas and restriction-modification systems are compatible and increase phage resistance. <i>Nature Communications</i> , 2013 , 4, 2087	17.4	137
130	Effect of the abortive infection mechanism and type III toxin/antitoxin system AbiQ on the lytic cycle of <i>Lactococcus lactis</i> phages. <i>Journal of Bacteriology</i> , 2013 , 195, 3947-56	3.5	33
129	Structure, adsorption to host, and infection mechanism of virulent lactococcal phage p2. <i>Journal of Virology</i> , 2013 , 87, 12302-12	6.6	70
128	The population and evolutionary dynamics of phage and bacteria with CRISPR-mediated immunity. <i>PLoS Genetics</i> , 2013 , 9, e1003312	6	126
127	Identification of a new P335 subgroup through molecular analysis of lactococcal phages Q33 and BM13. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 4401-9	4.8	43
126	Characterization of a Novel Pantone-Valentine leukocidin (PVL)-encoding staphylococcal phage and its naturally PVL-lacking variant. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 2828-32	4.8	13
125	Structure and activity of AbiQ, a lactococcal endoribonuclease belonging to the type III toxin-antitoxin system. <i>Molecular Microbiology</i> , 2013 , 87, 756-68	4.1	46
124	Type II: <i>Streptococcus thermophilus</i> 2013 , 171		1
123	Evaluation of bacterial contaminants found on unused paper towels and possible postcontamination after handwashing: a pilot study. <i>American Journal of Infection Control</i> , 2012 , 40, e5-9 ^{3,8}		19
122	Phage morphology recapitulates phylogeny: the comparative genomics of a new group of myoviruses. <i>PLoS ONE</i> , 2012 , 7, e40102	3.7	43
121	Cleavage of phage DNA by the <i>Streptococcus thermophilus</i> CRISPR3-Cas system. <i>PLoS ONE</i> , 2012 , 7, e40913	3.7	82
120	Multilocus sequence typing scheme for the characterization of 936-like phages infecting <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2012 , 78, 4646-53	4.8	17
119	Biology and genome sequence of <i>Streptococcus mutans</i> phage M102AD. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 2264-71	4.8	19

118	Involvement of the major capsid protein and two early-expressed phage genes in the activity of the lactococcal abortive infection mechanism AbiT. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 6890-94	4.8	20
117	Characterization of two virulent phages of <i>Lactobacillus plantarum</i> . <i>Applied and Environmental Microbiology</i> , 2012 , 78, 8719-34	4.8	28
116	Bacteriophages and dairy fermentations. <i>Bacteriophage</i> , 2012 , 2, 149-158		136
115	Bacteriophages of lactic acid bacteria and their impact on milk fermentations. <i>Microbial Cell Factories</i> , 2011 , 10 Suppl 1, S20	6.4	153
114	Evolution and classification of the CRISPR-Cas systems. <i>Nature Reviews Microbiology</i> , 2011 , 9, 467-77	22.2	1604
113	Lactococcal phage p2 ORF35-Sak3 is an ATPase involved in DNA recombination and AbiK mechanism. <i>Molecular Microbiology</i> , 2011 , 80, 102-16	4.1	22
112	Detection of airborne lactococcal bacteriophages in cheese manufacturing plants. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 491-7	4.8	72
111	<i>Staphylococcus epidermidis</i> bacteriophages from the anterior nares of humans. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 7853-5	4.8	9
110	The proteome and interactome of <i>Streptococcus pneumoniae</i> phage Cp-1. <i>Journal of Bacteriology</i> , 2011 , 193, 3135-8	3.5	15
109	A reverse transcriptase-related protein mediates phage resistance and polymerizes untemplated DNA in vitro. <i>Nucleic Acids Research</i> , 2011 , 39, 7620-9	20.1	35
108	Genome annotation and intraviral interactome for the <i>Streptococcus pneumoniae</i> virulent phage Dp-1. <i>Journal of Bacteriology</i> , 2011 , 193, 551-62	3.5	39
107	The CRISPR/Cas bacterial immune system cleaves bacteriophage and plasmid DNA. <i>Nature</i> , 2010 , 468, 67-71	50.4	1462
106	Bacteriophage resistance mechanisms. <i>Nature Reviews Microbiology</i> , 2010 , 8, 317-27	22.2	1382
105	Comparison of Polycarbonate and Polytetrafluoroethylene Filters for Sampling of Airborne Bacteriophages. <i>Aerosol Science and Technology</i> , 2010 , 44, 197-201	3.4	20
104	Lactococcal abortive infection protein AbiV interacts directly with the phage protein SaV and prevents translation of phage proteins. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 7085-92	4.8	19
103	Characterization of <i>Lactococcus lactis</i> phage 949 and comparison with other lactococcal phages. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 6843-52	4.8	45
102	Structure of lactococcal phage p2 baseplate and its mechanism of activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6852-7	11.5	124
101	Evaluation of Filters for the Sampling and Quantification of RNA Phage Aerosols. <i>Aerosol Science and Technology</i> , 2010 , 44, 893-901	3.4	36

100	Genome organization and characterization of the virulent lactococcal phage 1358 and its similarities to Listeria phages. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 1623-32	4.8	33
99	CRISPR/Cas system and its role in phage-bacteria interactions. <i>Annual Review of Microbiology</i> , 2010 , 64, 475-93	17.5	405
98	Streptococcus thermophilus bacteriophages. <i>International Dairy Journal</i> , 2010 , 20, 657-664	3.5	48
97	Deciphering the function of lactococcal phage ul36 Sak domains. <i>Journal of Structural Biology</i> , 2010 , 170, 462-9	3.4	19
96	Solution and electron microscopy characterization of lactococcal phage baseplates expressed in Escherichia coli. <i>Journal of Structural Biology</i> , 2010 , 172, 75-84	3.4	33
95	Bacteriophages of lactobacillus. <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 1661-83	2.8	56
94	Evolution of Lactococcus lactis phages within a cheese factory. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 5336-44	4.8	68
93	Crystal structure and function of a DARPIn neutralizing inhibitor of lactococcal phage TP901-1: comparison of DARPIn and camelid VHH binding mode. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30718-26	5.4	51
92	Crystal structure of ORF12 from Lactococcus lactis phage p2 identifies a tape measure protein chaperone. <i>Journal of Bacteriology</i> , 2009 , 191, 728-34	3.5	25
91	Activation and transfer of the chromosomal phage resistance mechanism AbiV in Lactococcus lactis. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 3358-61	4.8	7
90	Crystal structure of a chimeric receptor binding protein constructed from two lactococcal phages. <i>Journal of Bacteriology</i> , 2009 , 191, 3220-5	3.5	20
89	Identification and characterization of the phage gene sav, involved in sensitivity to the lactococcal abortive infection mechanism AbiV. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 2484-94	4.8	22
88	P087, a lactococcal phage with a morphogenesis module similar to an Enterococcus faecalis prophage. <i>Virology</i> , 2009 , 388, 49-56	3.6	27
87	Genome analysis of two virulent Streptococcus thermophilus phages isolated in Argentina. <i>International Journal of Food Microbiology</i> , 2009 , 136, 101-9	5.8	33
86	Structure and function of phage p2 ORF34(p2), a new type of single-stranded DNA binding protein. <i>Molecular Microbiology</i> , 2009 , 73, 1156-70	4.1	14
85	Phage production and maintenance of stocks, including expected stock lifetimes. <i>Methods in Molecular Biology</i> , 2009 , 501, 203-19	1.4	50
84	Fat-free yogurt made using a galactose-positive exopolysaccharide-producing recombinant strain of Streptococcus thermophilus. <i>Journal of Dairy Science</i> , 2009 , 92, 477-82	4	37
83	Characterization of 1706, a virulent phage from Lactococcus lactis with similarities to prophages from other Firmicutes. <i>Virology</i> , 2008 , 373, 298-309	3.6	54

82	Functional and structural basis for a bacteriophage homolog of human RAD52. <i>Current Biology</i> , 2008 , 18, 1142-6	6.3	51
81	Phage response to CRISPR-encoded resistance in <i>Streptococcus thermophilus</i> . <i>Journal of Bacteriology</i> , 2008 , 190, 1390-400	3.5	897
80	Diversity, activity, and evolution of CRISPR loci in <i>Streptococcus thermophilus</i> . <i>Journal of Bacteriology</i> , 2008 , 190, 1401-12	3.5	586
79	Role of galK and galM in galactose metabolism by <i>Streptococcus thermophilus</i> . <i>Applied and Environmental Microbiology</i> , 2008 , 74, 1264-7	4.8	20
78	Methods for sampling of airborne viruses. <i>Microbiology and Molecular Biology Reviews</i> , 2008 , 72, 413-44	13.2	255
77	Morphology, genome sequence, and structural proteome of type phage P335 from <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2008 , 74, 4636-44	4.8	47
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