

# Sylvain Moineau

## List of Publications by Citations

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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 provides acquired resistance against viruses in prokaryotes. <i>Science</i> , <b>2007</b> , 315, 1709-12	33.3	3735
242	Evolution and classification of the CRISPR-Cas systems. <i>Nature Reviews Microbiology</i> , <b>2011</b> , 9, 467-77	22.2	1604
241	The CRISPR/Cas bacterial immune system cleaves bacteriophage and plasmid DNA. <i>Nature</i> , <b>2010</b> , 468, 67-71	50.4	1462
240	An updated evolutionary classification of CRISPR-Cas systems. <i>Nature Reviews Microbiology</i> , <b>2015</b> , 13, 722-36	22.2	1434
239	Bacteriophage resistance mechanisms. <i>Nature Reviews Microbiology</i> , <b>2010</b> , 8, 317-27	22.2	1382
238	Phage response to CRISPR-encoded resistance in <i>Streptococcus thermophilus</i> . <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 1390-400	3.5	897
237	Diversity, activity, and evolution of CRISPR loci in <i>Streptococcus thermophilus</i> . <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 1401-12	3.5	586
236	Evolutionary classification of CRISPR-Cas systems: a burst of class 2 and derived variants. <i>Nature Reviews Microbiology</i> , <b>2020</b> , 18, 67-83	22.2	545
235	Revenge of the phages: defeating bacterial defences. <i>Nature Reviews Microbiology</i> , <b>2013</b> , 11, 675-87	22.2	421
234	CRISPR/Cas system and its role in phage-bacteria interactions. <i>Annual Review of Microbiology</i> , <b>2010</b> , 64, 475-93	17.5	405
233	Methods for sampling of airborne viruses. <i>Microbiology and Molecular Biology Reviews</i> , <b>2008</b> , 72, 413-44	13.2	255
232	Biodiversity and classification of lactococcal phages. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 4338-46	4.8	200
231	Biochemistry, genetics, and applications of exopolysaccharide production in <i>Streptococcus thermophilus</i> : a review. <i>Journal of Dairy Science</i> , <b>2003</b> , 86, 407-23	4	187
230	Phage diversity, genomics and phylogeny. <i>Nature Reviews Microbiology</i> , <b>2020</b> , 18, 125-138	22.2	160
229	Bacteriophages of lactic acid bacteria and their impact on milk fermentations. <i>Microbial Cell Factories</i> , <b>2011</b> , 10 Suppl 1, S20	6.4	153
228	Identification of a genetic determinant responsible for host specificity in <i>Streptococcus thermophilus</i> bacteriophages. <i>Molecular Microbiology</i> , <b>2001</b> , 41, 325-36	4.1	151
227	Evolution of a Lytic Bacteriophage via DNA Acquisition from the <i>Lactococcus lactis</i> Chromosome. <i>Applied and Environmental Microbiology</i> , <b>1994</b> , 60, 1832-41	4.8	145

226	CRISPR-Cas and restriction-modification systems are compatible and increase phage resistance. <i>Nature Communications</i> , <b>2013</b> , 4, 2087	17.4	137
225	Bacteriophages and dairy fermentations. <i>Bacteriophage</i> , <b>2012</b> , 2, 149-158		136
224	The population and evolutionary dynamics of phage and bacteria with CRISPR-mediated immunity. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003312	6	126
223	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> , <b>2010</b> , 107, 6852-7	11.5	124
222	An anti-CRISPR from a virulent streptococcal phage inhibits <i>Streptococcus pyogenes</i> Cas9. <i>Nature Microbiology</i> , <b>2017</b> , 2, 1374-1380	26.6	117
221	Lactococcal bacteriophage p2 receptor-binding protein structure suggests a common ancestor gene with bacterial and mammalian viruses. <i>Nature Structural and Molecular Biology</i> , <b>2006</b> , 13, 85-9	17.6	109
220	Widespread anti-CRISPR proteins in virulent bacteriophages inhibit a range of Cas9 proteins. <i>Nature Communications</i> , <b>2018</b> , 9, 2919	17.4	108
219	Comparison of five bacteriophages as models for viral aerosol studies. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 4242-50	4.8	106
218	Multiplex PCR for detection and identification of lactococcal bacteriophages. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 987-94	4.8	104
217	CRISPR-Cas: an efficient tool for genome engineering of virulent bacteriophages. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 9504-13	20.1	98
216	Characterization of lactococcal bacteriophages from Quebec cheese plants. <i>Canadian Journal of Microbiology</i> , <b>1992</b> , 38, 875-882	3.2	97
215	Receptor-binding protein of <i>Lactococcus lactis</i> phages: identification and characterization of the saccharide receptor-binding site. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 2400-10	3.5	95
214	Peptidoglycan hydrolase fusions maintain their parental specificities. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 2988-96	4.8	94
213	Complete genomic sequence of the lytic bacteriophage DT1 of <i>Streptococcus thermophilus</i> . <i>Virology</i> , <b>1999</b> , 255, 63-76	3.6	94
212	Adaptation in bacterial CRISPR-Cas immunity can be driven by defective phages. <i>Nature Communications</i> , <b>2014</b> , 5, 4399	17.4	93
211	Modular structure of the receptor binding proteins of <i>Lactococcus lactis</i> phages. The RBP structure of the temperate phage TP901-1. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 14256-62	5.4	93
210	Homologous recombination between a lactococcal bacteriophage and the chromosome of its host strain. <i>Virology</i> , <b>2000</b> , 270, 65-75	3.6	91
209	Isolation and Characterization of Lactococcal Bacteriophages from Cultured Buttermilk Plants in the United States. <i>Journal of Dairy Science</i> , <b>1996</b> , 79, 2104-2111	4	88

208	Abortive infection mechanisms and prophage sequences significantly influence the genetic makeup of emerging lytic lactococcal phages. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 1482-7	3.5	87
207	Effect of exopolysaccharides on phage-host interactions in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 4364-9	4.8	85
206	Cleavage of phage DNA by the <i>Streptococcus thermophilus</i> CRISPR3-Cas system. <i>PLoS ONE</i> , <b>2012</b> , 7, e40913	3.7	82
205	Applications of phage resistance in lactic acid bacteria <b>1999</b> , 76, 377-382		82
204	Effect of Exopolysaccharides on Phage-Host Interactions in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 723-723	4.8	78
203	Bacteriophages in food fermentations: new frontiers in a continuous arms race. <i>Annual Review of Food Science and Technology</i> , <b>2013</b> , 4, 347-68	14.7	73
202	Detection of airborne lactococcal bacteriophages in cheese manufacturing plants. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 491-7	4.8	72
201	Genomic organization and molecular analysis of virulent bacteriophage 2972 infecting an exopolysaccharide-producing <i>Streptococcus thermophilus</i> strain. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 4057-68	4.8	72
200	Characterization of two polyvalent phages infecting Enterobacteriaceae. <i>Scientific Reports</i> , <b>2017</b> , 7, 40349	4.9	71
199	Complete genomic sequence of bacteriophage ul36: demonstration of phage heterogeneity within the P335 quasi-species of lactococcal phages. <i>Virology</i> , <b>2002</b> , 296, 308-20	3.6	71
198	Structure, adsorption to host, and infection mechanism of virulent lactococcal phage p2. <i>Journal of Virology</i> , <b>2013</b> , 87, 12302-12	6.6	70
197	Morphological and genetic diversity of temperate phages in <i>Clostridium difficile</i> . <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 7358-66	4.8	70
196	Costs of CRISPR-Cas-mediated resistance in <i>Streptococcus thermophilus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20151270	4.4	68
195	Evolution of <i>Lactococcus lactis</i> phages within a cheese factory. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 5336-44	4.8	68
194	Llama antibodies against a lactococcal protein located at the tip of the phage tail prevent phage infection. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 4531-41	3.5	65
193	Characterization of mesophilic mixed starter cultures used for the manufacture of aged cheddar cheese. <i>Journal of Dairy Science</i> , <b>2000</b> , 83, 620-7	4	64
192	Sequence and comparative genomic analysis of lactococcal bacteriophages jj50, 712 and P008: evolutionary insights into the 936 phage species. <i>FEMS Microbiology Letters</i> , <b>2006</b> , 261, 253-61	2.9	61
191	Molecular characterization of a theta replication plasmid and its use for development of a two-component food-grade cloning system for <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 1700-9	4.8	61

190	The three major types of CRISPR-Cas systems function independently in CRISPR RNA biogenesis in <i>Streptococcus thermophilus</i> . <i>Molecular Microbiology</i> , <b>2014</b> , 93, 98-112	4.1	60
189	Genome Engineering of Virulent Lactococcal Phages Using CRISPR-Cas9. <i>ACS Synthetic Biology</i> , <b>2017</b> , 6, 1351-1358	5.7	58
188	AbiQ, an abortive infection mechanism from <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>1998</b> , 64, 4748-56	4.8	58
187	Differentiation of Two Abortive Mechanisms by Using Monoclonal Antibodies Directed toward Lactococcal Bacteriophage Capsid Proteins. <i>Applied and Environmental Microbiology</i> , <b>1993</b> , 59, 208-12	4.8	57
186	Bacteriophages of lactobacillus. <i>Frontiers in Bioscience - Landmark</i> , <b>2009</b> , 14, 1661-83	2.8	56
185	Crystal structure of the receptor-binding protein head domain from <i>Lactococcus lactis</i> phage bIL170. <i>Journal of Virology</i> , <b>2006</b> , 80, 9331-5	6.6	56
184	Galactose and lactose genes from the galactose-positive bacterium <i>Streptococcus salivarius</i> and the phylogenetically related galactose-negative bacterium <i>Streptococcus thermophilus</i> : organization, sequence, transcription, and activity of the gal gene products. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 785-93	3.5	56
183	Genome sequence and global gene expression of Q54, a new phage species linking the 936 and c2 phage species of <i>Lactococcus lactis</i> . <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 6101-14	3.5	55
182	Characterization of coliphage PR772 and evaluation of its use for virus filter performance testing. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 4864-71	4.8	55
181	Characterization of 1706, a virulent phage from <i>Lactococcus lactis</i> with similarities to prophages from other Firmicutes. <i>Virology</i> , <b>2008</b> , 373, 298-309	3.6	54
180	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> , <b>2009</b> , 284, 30718-26	5.4	51
179	Functional and structural basis for a bacteriophage homolog of human RAD52. <i>Current Biology</i> , <b>2008</b> , 18, 1142-6	6.3	51
178	Phage production and maintenance of stocks, including expected stock lifetimes. <i>Methods in Molecular Biology</i> , <b>2009</b> , 501, 203-19	1.4	50
177	Characterization of a new virulent phage (MLC-A) of <i>Lactobacillus paracasei</i> . <i>Journal of Dairy Science</i> , <b>2006</b> , 89, 2414-23	4	50
176	A Unified Resource for Tracking Anti-CRISPR Names. <i>CRISPR Journal</i> , <b>2018</b> , 1, 304-305	2.5	50
175	Prophages of the genus <i>Bifidobacterium</i> as modulating agents of the infant gut microbiota. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 2196-213	5.2	49
174	The cell lysis activity of the <i>Streptococcus agalactiae</i> bacteriophage B30 endolysin relies on the cysteine, histidine-dependent amidohydrolase/peptidase domain. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 5108-12	4.8	49
173	Evolutionary emergence of infectious diseases in heterogeneous host populations. <i>PLoS Biology</i> , <b>2018</b> , 16, e2006738	9.7	49

172	Streptococcus thermophilus bacteriophages. <i>International Dairy Journal</i> , <b>2010</b> , 20, 657-664	3.5	48
171	Restriction/Modification systems and restriction endonucleases are more effective on lactococcal bacteriophages that have emerged recently in the dairy industry. <i>Applied and Environmental Microbiology</i> , <b>1993</b> , 59, 197-202	4.8	48
170	Molecular insights on the recognition of a Lactococcus lactis cell wall pellicle by the phage 1358 receptor binding protein. <i>Journal of Virology</i> , <b>2014</b> , 88, 7005-15	6.6	47
169	Morphology, genome sequence, and structural proteome of type phage P335 from Lactococcus lactis. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 4636-44	4.8	47
168	Characterization of the two-component abortive phage infection mechanism AbiT from Lactococcus lactis. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 6325-32	3.5	47
167	Structure and activity of AbiQ, a lactococcal endoribonuclease belonging to the type III toxin-antitoxin system. <i>Molecular Microbiology</i> , <b>2013</b> , 87, 756-68	4.1	46
166	Phages as friends and enemies in food processing. <i>Current Opinion in Biotechnology</i> , <b>2018</b> , 49, 185-190	11.4	45
165	Characterization of Lactococcus lactis phage 949 and comparison with other lactococcal phages. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 6843-52	4.8	45
164	Lactococcal phage genes involved in sensitivity to AbiK and their relation to single-strand annealing proteins. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 3649-52	3.5	45
163	Phage morphology recapitulates phylogeny: the comparative genomics of a new group of myoviruses. <i>PLoS ONE</i> , <b>2012</b> , 7, e40102	3.7	43
162	Identification of a new P335 subgroup through molecular analysis of lactococcal phages Q33 and BM13. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 4401-9	4.8	43
161	Diversity of Streptococcus thermophilus phages in a large-production cheese factory in Argentina. <i>Journal of Dairy Science</i> , <b>2006</b> , 89, 3791-9	4	43
160	Genome annotation and intraviral interactome for the Streptococcus pneumoniae virulent phage Dp-1. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 551-62	3.5	39
159	Expression and site-directed mutagenesis of the lactococcal abortive phage infection protein AbiK. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 3721-30	3.5	39
158	Novel food-grade plasmid vector based on melibiose fermentation for the genetic engineering of Lactococcus lactis. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 6152-61	4.8	39
157	Preventing phage lysis of Lactococcus lactis in cheese production using a neutralizing heavy-chain antibody fragment from llama. <i>Journal of Dairy Science</i> , <b>2002</b> , 85, 1376-82	4	39
156	Improving the safety of Staphylococcus aureus polyvalent phages by their production on a Staphylococcus xylosus strain. <i>PLoS ONE</i> , <b>2014</b> , 9, e102600	3.7	37
155	Fat-free yogurt made using a galactose-positive exopolysaccharide-producing recombinant strain of Streptococcus thermophilus. <i>Journal of Dairy Science</i> , <b>2009</b> , 92, 477-82	4	37

154	KSY1, a lactococcal phage with a T7-like transcription. <i>Virology</i> , <b>2007</b> , 365, 1-9	3.6	37
153	Characterization of Streptococcus thermophilus host range phage mutants. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 3036-41	4.8	37
152	Global gene expression analysis of two Streptococcus thermophilus bacteriophages using DNA microarray. <i>Virology</i> , <b>2005</b> , 340, 192-208	3.6	37
151	Isolation and characterization of a Streptococcus thermophilus plasmid closely related to the pMV158 family. <i>Plasmid</i> , <b>2001</b> , 45, 171-83	3.3	37
150	Evaluation of Filters for the Sampling and Quantification of RNA Phage Aerosols. <i>Aerosol Science and Technology</i> , <b>2010</b> , 44, 893-901	3.4	36
149	Monoclonal antibodies raised against native major capsid proteins of lactococcal c2-like bacteriophages. <i>Applied and Environmental Microbiology</i> , <b>1998</b> , 64, 4255-9	4.8	36
148	A reverse transcriptase-related protein mediates phage resistance and polymerizes untemplated DNA in vitro. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 7620-9	20.1	35
147	Characterization of genes involved in the metabolism of alpha-galactosides by Lactococcus raffinolactis. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 4049-56	4.8	35
146	Immune loss as a driver of coexistence during host-phage coevolution. <i>ISME Journal</i> , <b>2018</b> , 12, 585-597	11.9	34
145	7-Deazaguanine modifications protect phage DNA from host restriction systems. <i>Nature Communications</i> , <b>2019</b> , 10, 5442	17.4	34
144	Phage-host interactions in Streptococcus thermophilus: Genome analysis of phages isolated in Uruguay and ectopic spacer acquisition in CRISPR array. <i>Scientific Reports</i> , <b>2017</b> , 7, 43438	4.9	33
143	Effect of the abortive infection mechanism and type III toxin/antitoxin system AbiQ on the lytic cycle of Lactococcus lactis phages. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 3947-56	3.5	33
142	Genome organization and characterization of the virulent lactococcal phage 1358 and its similarities to Listeria phages. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 1623-32	4.8	33
141	Solution and electron microscopy characterization of lactococcal phage baseplates expressed in Escherichia coli. <i>Journal of Structural Biology</i> , <b>2010</b> , 172, 75-84	3.4	33
140	Genome analysis of two virulent Streptococcus thermophilus phages isolated in Argentina. <i>International Journal of Food Microbiology</i> , <b>2009</b> , 136, 101-9	5.8	33
139	Machine learning assisted design of highly active peptides for drug discovery. <i>PLoS Computational Biology</i> , <b>2015</b> , 11, e1004074	5	30
138	Virulent coliphages in 1-year-old children fecal samples are fewer, but more infectious than temperate coliphages. <i>Nature Communications</i> , <b>2020</b> , 11, 378	17.4	30
137	Genomic Diversity of Phages Infecting Probiotic Strains of Lactobacillus paracasei. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 95-105	4.8	29

136	The targeted recognition of Lactococcus lactis phages to their polysaccharide receptors. <i>Molecular Microbiology</i> , <b>2015</b> , 96, 875-86	4.1	29
135	Inactivation of dairy bacteriophages by commercial sanitizers and disinfectants. <i>International Journal of Food Microbiology</i> , <b>2014</b> , 171, 41-7	5.8	29
134	AbiV, a novel antiphage abortive infection mechanism on the chromosome of Lactococcus lactis subsp. cremoris MG1363. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 6528-37	4.8	29
133	Genetic and biochemical characterization of the phosphoenolpyruvate:glucose/mannose phosphotransferase system of Streptococcus thermophilus. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 5423-32	4.8	29
132	DNA sequence analysis of three Lactococcus lactis plasmids encoding phage resistance mechanisms. <i>Journal of Dairy Science</i> , <b>2001</b> , 84, 1610-20	4	29
131	Resistance of Aerosolized Bacterial Viruses to Relative Humidity and Temperature. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 7305-11	4.8	28
130	A Syst-OMICS Approach to Ensuring Food Safety and Reducing the Economic Burden of Salmonellosis. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 996	5.7	28
129	Characterization of two virulent phages of Lactobacillus plantarum. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 8719-34	4.8	28
128	Cryo-electron microscopy structure of lactococcal siphophage 1358 virion. <i>Journal of Virology</i> , <b>2014</b> , 88, 8900-10	6.6	27
127	P087, a lactococcal phage with a morphogenesis module similar to an Enterococcus faecalis prophage. <i>Virology</i> , <b>2009</b> , 388, 49-56	3.6	27
126	Microbiological and molecular impacts of AbiK on the lytic cycle of Lactococcus lactis phages of the 936 and P335 species. <i>Microbiology (United Kingdom)</i> , <b>2000</b> , 146 ( Pt 2), 445-453	2.9	27
125	Comparison of advanced whole genome sequence-based methods to distinguish strains of Salmonella enterica serovar Heidelberg involved in foodborne outbreaks in Quebec. <i>Food Microbiology</i> , <b>2018</b> , 73, 99-110	6	25
124	Efficacy of two Staphylococcus aureus phage cocktails in cheese production. <i>International Journal of Food Microbiology</i> , <b>2016</b> , 217, 7-13	5.8	25
123	Crystal structure of ORF12 from Lactococcus lactis phage p2 identifies a tape measure protein chaperone. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 728-34	3.5	25
122	Characterization of a galactokinase-positive recombinant strain of Streptococcus thermophilus. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 4596-603	4.8	25
121	Versatile and robust genome editing with CRISPR1-Cas9. <i>Genome Research</i> , <b>2020</b> , 30, 107-117	9.7	25
120	Prophage Sequence Profiles Reflect Genome Diversity and Can Be Used for High Discrimination Subtyping. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 836	5.7	24
119	Cas9 Allosteric Inhibition by the Anti-CRISPR Protein AcrIIA6. <i>Molecular Cell</i> , <b>2019</b> , 76, 922-937.e7	17.6	24



118	Lactobacilli expressing llama VHH fragments neutralise Lactococcus phages. <i>BMC Biotechnology</i> , <b>2007</b> , 7, 58	3.5	24
117	Argentinean Lactococcus lactis bacteriophages: genetic characterization and adsorption studies. <i>Journal of Applied Microbiology</i> , <b>2008</b> , 104, 371-9	4.7	24
116	CRISPRStudio: A User-Friendly Software for Rapid CRISPR Array Visualization. <i>Viruses</i> , <b>2018</b> , 10,	6.2	24
115	Characterization and diversity of phages infecting <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 7054	4.9	23
114	Distribution and composition of the lysis cassette of Lactococcus lactis phages and functional analysis of bacteriophage ul36 holin. <i>FEMS Microbiology Letters</i> , <b>2004</b> , 233, 37-43	2.9	23
113	Detecting natural adaptation of the <i>Streptococcus thermophilus</i> CRISPR-Cas systems in research and classroom settings. <i>Nature Protocols</i> , <b>2017</b> , 12, 547-565	18.8	22
112	Lactococcal phage p2 ORF35-Sak3 is an ATPase involved in DNA recombination and AbiK mechanism. <i>Molecular Microbiology</i> , <b>2011</b> , 80, 102-16	4.1	22
111	Identification and characterization of the phage gene sav, involved in sensitivity to the lactococcal abortive infection mechanism AbiV. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 2484-94	4.8	22
110	Comparison of Polycarbonate and Polytetrafluoroethylene Filters for Sampling of Airborne Bacteriophages. <i>Aerosol Science and Technology</i> , <b>2010</b> , 44, 197-201	3.4	20
109	Crystal structure of a chimeric receptor binding protein constructed from two lactococcal phages. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 3220-5	3.5	20
108	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> , <b>2012</b> , 78, 6890-9	4.8	20
107	Role of galK and galM in galactose metabolism by <i>Streptococcus thermophilus</i> . <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 1264-7	4.8	20
106	Characterization of Five Podoviridae Phages Infecting <i>Citrobacter freundii</i> . <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1023	5.7	20
105	Evaluation of bacterial contaminants found on unused paper towels and possible postcontamination after handwashing: a pilot study. <i>American Journal of Infection Control</i> , <b>2012</b> , 40, e5-9	3.8	19
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