

Mart Krupovic

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215
papers

9,893
citations

57
h-index

90
g-index

254
ext. papers

13,686
ext. citations

9.7
avg, IF

7.01
L-index

#	Paper	IF	Citations
215	Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2017). <i>Archives of Virology</i> , 2017 , 162, 2505-2538	3.6	398
214	Consensus statement: Virus taxonomy in the age of metagenomics. <i>Nature Reviews Microbiology</i> , 2017 , 15, 161-168	22.2	375
213	Origins and evolution of viruses of eukaryotes: The ultimate modularity. <i>Virology</i> , 2015 , 479-480, 2-25	3.6	309
212	Origins and Evolution of the Global RNA Virome. <i>MBio</i> , 2018 , 9,	7.8	219
211	Taxonomic assignment of uncultivated prokaryotic virus genomes is enabled by gene-sharing networks. <i>Nature Biotechnology</i> , 2019 , 37, 632-639	44.5	201
210	Ratification vote on taxonomic proposals to the International Committee on Taxonomy of Viruses (2016). <i>Archives of Virology</i> , 2016 , 161, 2921-49	2.6	195
209	Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2018). <i>Archives of Virology</i> , 2018 , 163, 2601-2631	3.6	187
208	Minimum Information about an Uncultivated Virus Genome (MIUViG). <i>Nature Biotechnology</i> , 2019 , 37, 29-37	44.5	180
207	Global Organization and Proposed Megataxonomy of the Virus World. <i>Microbiology and Molecular Biology Reviews</i> , 2020 , 84,	13.2	178
206	Changes to virus taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2019). <i>Archives of Virology</i> , 2019 , 164, 2417-2429	2.6	171
205	Genomics of bacterial and archaeal viruses: dynamics within the prokaryotic virosphere. <i>Microbiology and Molecular Biology Reviews</i> , 2011 , 75, 610-35	13.2	170
204	Virus evolution: how far does the double beta-barrel viral lineage extend?. <i>Nature Reviews Microbiology</i> , 2008 , 6, 941-8	22.2	160
203	History of CRISPR-Cas from Encounter with a Mysterious Repeated Sequence to Genome Editing Technology. <i>Journal of Bacteriology</i> , 2018 , 200,	3.5	149
202	Discovery of an expansive bacteriophage family that includes the most abundant viruses from the human gut. <i>Nature Microbiology</i> , 2018 , 3, 38-46	26.6	148
201	Multiple origins of viral capsid proteins from cellular ancestors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2401-E2410	11.5	140
200	Evolution and diversity of the Microviridae viral family through a collection of 81 new complete genomes assembled from virome reads. <i>PLoS ONE</i> , 2012 , 7, e40418	3.7	123
199	Casposons: a new superfamily of self-synthesizing DNA transposons at the origin of prokaryotic CRISPR-Cas immunity. <i>BMC Biology</i> , 2014 , 12, 36	7.3	122

198	Polintons: a hotbed of eukaryotic virus, transposon and plasmid evolution. <i>Nature Reviews Microbiology</i> , 2015 , 13, 105-15	22.2	116
197	The Double-Stranded DNA Virosphere as a Modular Hierarchical Network of Gene Sharing. <i>MBio</i> , 2016 , 7,	7.8	115
196	Taxonomy of the order Mononegavirales: update 2018. <i>Archives of Virology</i> , 2018 , 163, 2283-2294	2.6	111
195	Evolution of adaptive immunity from transposable elements combined with innate immune systems. <i>Nature Reviews Genetics</i> , 2015 , 16, 184-92	30.1	110
194	Taxonomy of the family Arenaviridae and the order Bunyvirales: update 2018. <i>Archives of Virology</i> , 2018 , 163, 2295-2310	2.6	108
193	Viruses of archaea: Structural, functional, environmental and evolutionary genomics. <i>Virus Research</i> , 2018 , 244, 181-193	6.4	107
192	Genomoviridae: a new family of widespread single-stranded DNA viruses. <i>Archives of Virology</i> , 2016 , 161, 2633-43	2.6	104
191	The enigmatic archaeal virosphere. <i>Nature Reviews Microbiology</i> , 2017 , 15, 724-739	22.2	102
190	Cryptic inoviruses revealed as pervasive in bacteria and archaea across Earth's biomes. <i>Nature Microbiology</i> , 2019 , 4, 1895-1906	26.6	99
189	Assessment of viral community functional potential from viral metagenomes may be hampered by contamination with cellular sequences. <i>Open Biology</i> , 2013 , 3, 130160	7	97
188	Comparative analysis of the mosaic genomes of tailed archaeal viruses and proviruses suggests common themes for virion architecture and assembly with tailed viruses of bacteria. <i>Journal of Molecular Biology</i> , 2010 , 397, 144-60	6.5	96
187	The new scope of virus taxonomy: partitioning the virosphere into 15 hierarchical ranks. <i>Nature Microbiology</i> , 2020 , 5, 668-674	26.6	87
186	Order to the viral universe. <i>Journal of Virology</i> , 2010 , 84, 12476-9	6.6	86
185	Origin of viruses: primordial replicators recruiting capsids from hosts. <i>Nature Reviews Microbiology</i> , 2019 , 17, 449-458	22.2	85
184	Networks of evolutionary interactions underlying the polyphyletic origin of ssDNA viruses. <i>Current Opinion in Virology</i> , 2013 , 3, 578-86	7.5	85
183	Microviridae goes temperate: microvirus-related proviruses reside in the genomes of Bacteroidetes. <i>PLoS ONE</i> , 2011 , 6, e19893	3.7	81
182	Virology. A virus that infects a hyperthermophile encapsidates A-form DNA. <i>Science</i> , 2015 , 348, 914-7	33.3	79
181	Classify viruses - the gain is worth the pain. <i>Nature</i> , 2019 , 566, 318-320	50.4	78

180	Geminiviruses: a tale of a plasmid becoming a virus. <i>BMC Evolutionary Biology</i> , 2009 , 9, 112	3	77
179	Evolutionary entanglement of mobile genetic elements and host defence systems: guns for hire. <i>Nature Reviews Genetics</i> , 2020 , 21, 119-131	30.1	77
178	Chimeric viruses blur the borders between the major groups of eukaryotic single-stranded DNA viruses. <i>Nature Communications</i> , 2013 , 4, 2700	17.4	74
177	An anti-CRISPR viral ring nuclease subverts type III CRISPR immunity. <i>Nature</i> , 2020 , 577, 572-575	50.4	69
176	Evolution of double-stranded DNA viruses of eukaryotes: from bacteriophages to transposons to giant viruses. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1341, 10-24	6.5	68
175	Double-stranded DNA viruses: 20 families and only five different architectural principles for virion assembly. <i>Current Opinion in Virology</i> , 2011 , 1, 118-24	7.5	68
174	Sequence-based taxonomic framework for the classification of uncultured single-stranded DNA viruses of the family. <i>Virus Evolution</i> , 2017 , 3, vew037	3.7	67
173	Taxonomy of prokaryotic viruses: update from the ICTV bacterial and archaeal viruses subcommittee. <i>Archives of Virology</i> , 2016 , 161, 1095-9	2.6	67
172	Additional changes to taxonomy ratified in a special vote by the International Committee on Taxonomy of Viruses (October 2018). <i>Archives of Virology</i> , 2019 , 164, 943-946	2.6	66
171	Taxonomy of prokaryotic viruses: 2018-2019 update from the ICTV Bacterial and Archaeal Viruses Subcommittee. <i>Archives of Virology</i> , 2020 , 165, 1253-1260	2.6	66
170	Conservation of major and minor jelly-roll capsid proteins in Polinton (Maverick) transposons suggests that they are bona fide viruses. <i>Biology Direct</i> , 2014 , 9, 6	7.2	66
169	Archaeal virus with exceptional virion architecture and the largest single-stranded DNA genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 13386-91	11.5	65
168	Bipartite Network Analysis of the Archaeal Virosphere: Evolutionary Connections between Viruses and Capsidless Mobile Elements. <i>Journal of Virology</i> , 2016 , 90, 11043-11055	6.6	65
167	Virus-mediated archaeal hecatomb in the deep seafloor. <i>Science Advances</i> , 2016 , 2, e1600492	14.3	63
166	Casposons: mobile genetic elements that gave rise to the CRISPR-Cas adaptation machinery. <i>Current Opinion in Microbiology</i> , 2017 , 38, 36-43	7.9	62
165	Diversification of giant and large eukaryotic dsDNA viruses predated the origin of modern eukaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19585-19592	11.5	62
164	Taxonomy of prokaryotic viruses: 2017 update from the ICTV Bacterial and Archaeal Viruses Subcommittee. <i>Archives of Virology</i> , 2018 , 163, 1125-1129	2.6	62
163	Fake virus particles generated by fluorescence microscopy. <i>Trends in Microbiology</i> , 2013 , 21, 1-5	12.4	62

162	Archaeal proviruses TKV4 and MVV extend the PRD1-adenovirus lineage to the phylum Euryarchaeota. <i>Virology</i> , 2008 , 375, 292-300	3.6	58
161	Extracellular membrane vesicles harbouring viral genomes. <i>Environmental Microbiology</i> , 2014 , 16, 1167-752	5.2	57
160	Ortervirales: New Virus Order Unifying Five Families of Reverse-Transcribing Viruses. <i>Journal of Virology</i> , 2018 , 92,	6.6	56
159	The evolutionary history of archaeal MCM helicases: a case study of vertical evolution combined with hitchhiking of mobile genetic elements. <i>Molecular Biology and Evolution</i> , 2010 , 27, 2716-32	8.3	56
158	Analysis of Spounaviruses as a Case Study for the Overdue Reclassification of Tailed Phages. <i>Systematic Biology</i> , 2020 , 69, 110-123	8.4	56
157	Multiple origins of prokaryotic and eukaryotic single-stranded DNA viruses from bacterial and archaeal plasmids. <i>Nature Communications</i> , 2019 , 10, 3425	17.4	55
156	Putative prophages related to lytic tailless marine dsDNA phage PM2 are widespread in the genomes of aquatic bacteria. <i>BMC Genomics</i> , 2007 , 8, 236	4.5	54
155	50 years of the International Committee on Taxonomy of Viruses: progress and prospects. <i>Archives of Virology</i> , 2017 , 162, 1441-1446	2.6	53
154	A classification system for virophages and satellite viruses. <i>Archives of Virology</i> , 2016 , 161, 233-47	2.6	52
153	Unification of the globally distributed spindle-shaped viruses of the Archaea. <i>Journal of Virology</i> , 2014 , 88, 2354-8	6.6	52
152	Changes to virus taxonomy and to the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2021). <i>Archives of Virology</i> , 2021 , 166, 2633-2648	2.6	52
151	Nitrosocaldus cavascurensis, an Ammonia Oxidizing, Extremely Thermophilic Archaeon with a Highly Mobile Genome. <i>Frontiers in Microbiology</i> , 2018 , 9, 28	5.7	51
150	Evolution of replicative DNA polymerases in archaea and their contributions to the eukaryotic replication machinery. <i>Frontiers in Microbiology</i> , 2014 , 5, 354	5.7	51
149	Doubling of the known set of RNA viruses by metagenomic analysis of an aquatic virome. <i>Nature Microbiology</i> , 2020 , 5, 1262-1270	26.6	50
148	Numerous cultivated and uncultivated viruses encode ribosomal proteins. <i>Nature Communications</i> , 2019 , 10, 752	17.4	49
147	Membrane vesicles in natural environments: a major challenge in viral ecology. <i>ISME Journal</i> , 2015 , 9, 793-6	11.9	49
146	Genomics and genetics of Sulfolobus islandicus LAL14/1, a model hyperthermophilic archaeon. <i>Open Biology</i> , 2013 , 3, 130010	7	49
145	Insights into dynamics of mobile genetic elements in hyperthermophilic environments from five new Thermococcus plasmids. <i>PLoS ONE</i> , 2013 , 8, e49044	3.7	49

144	Evolution of eukaryotic single-stranded DNA viruses of the Bidnaviridae family from genes of four other groups of widely different viruses. <i>Scientific Reports</i> , 2014 , 4, 5347	4.9	48
143	First insights into the entry process of hyperthermophilic archaeal viruses. <i>Journal of Virology</i> , 2013 , 87, 13379-85	6.6	48
142	Eukaryotic-Like Virus Budding in Archaea. <i>MBio</i> , 2016 , 7,	7.8	48
141	: a Virus Phylum Unifying Seven Families of Rep-Encoding Viruses with Single-Stranded, Circular DNA Genomes. <i>Journal of Virology</i> , 2020 , 94,	6.6	47
140	Gammasphaerolipovirus, a newly proposed bacteriophage genus, unifies viruses of halophilic archaea and thermophilic bacteria within the novel family Sphaerolipoviridae. <i>Archives of Virology</i> , 2014 , 159, 1541-54	2.6	47
139	The logic of DNA replication in double-stranded DNA viruses: insights from global analysis of viral genomes. <i>Nucleic Acids Research</i> , 2016 , 44, 4551-64	20.1	47
138	Self-synthesizing transposons: unexpected key players in the evolution of viruses and defense systems. <i>Current Opinion in Microbiology</i> , 2016 , 31, 25-33	7.9	46
137	Single-stranded DNA viruses employ a variety of mechanisms for integration into host genomes. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1341, 41-53	6.5	46
136	Dark matter in archaeal genomes: a rich source of novel mobile elements, defense systems and secretory complexes. <i>Extremophiles</i> , 2014 , 18, 877-93	3	43
135	A new proposed taxon for double-stranded DNA viruses, the order "Ligamenvirales". <i>Archives of Virology</i> , 2012 , 157, 791-5	2.6	42
134	The Sulfolobus rod-shaped virus 2 encodes a prominent structural component of the unique virion release system in Archaea. <i>Virology</i> , 2010 , 404, 1-4	3.6	42
133	The depths of virus exaptation. <i>Current Opinion in Virology</i> , 2018 , 31, 1-8	7.5	41
132	A novel group of diverse Polinton-like viruses discovered by metagenome analysis. <i>BMC Biology</i> , 2015 , 13, 95	7.3	41
131	A thaumarchaeal provirus testifies for an ancient association of tailed viruses with archaea. <i>Biochemical Society Transactions</i> , 2011 , 39, 82-8	5.1	41
130	Cellular domains and viral lineages. <i>Trends in Microbiology</i> , 2014 , 22, 554-8	12.4	40
129	Smacoviridae: a new family of animal-associated single-stranded DNA viruses. <i>Archives of Virology</i> , 2018 , 163, 2005-2015	2.6	39
128	Taxonomy of prokaryotic viruses: 2016 update from the ICTV bacterial and archaeal viruses subcommittee. <i>Archives of Virology</i> , 2017 , 162, 1153-1157	2.6	38
127	Virophages or satellite viruses?. <i>Nature Reviews Microbiology</i> , 2011 , 9, 762-3	22.2	38

126	Pervasive Chimerism in the Replication-Associated Proteins of Uncultured Single-Stranded DNA Viruses. <i>Viruses</i> , 2018 , 10,	6.2	36
125	Evolutionary history of ssDNA bacilladnaviruses features horizontal acquisition of the capsid gene from ssRNA nodaviruses. <i>Virology</i> , 2017 , 504, 114-121	3.6	35
124	Vast diversity of prokaryotic virus genomes encoding double jelly-roll major capsid proteins uncovered by genomic and metagenomic sequence analysis. <i>Virology Journal</i> , 2018 , 15, 67	6.1	35
123	Polintons, virophages and transpovirons: a tangled web linking viruses, transposons and immunity. <i>Current Opinion in Virology</i> , 2017 , 25, 7-15	7.5	35
122	Postcards from the edge: structural genomics of archaeal viruses. <i>Advances in Virus Research</i> , 2012 , 82, 33-62	10.7	35
121	Crenarchaeal CdvA forms double-helical filaments containing DNA and interacts with ESCRT-III-like CdvB. <i>PLoS ONE</i> , 2011 , 6, e21921	3.7	35
120	Sulfolobus Spindle-Shaped Virus 1 Contains Glycosylated Capsid Proteins, a Cellular Chromatin Protein, and Host-Derived Lipids. <i>Journal of Virology</i> , 2015 , 89, 11681-91	6.6	34
119	Plant viruses of the Amalgaviridae family evolved via recombination between viruses with double-stranded and negative-strand RNA genomes. <i>Biology Direct</i> , 2015 , 10, 12	7.2	33
118	Multiple layers of chimerism in a single-stranded DNA virus discovered by deep sequencing. <i>Genome Biology and Evolution</i> , 2015 , 7, 993-1001	3.9	33
117	Genomics and biology of Rudiviruses, a model for the study of virus-host interactions in Archaea. <i>Biochemical Society Transactions</i> , 2013 , 41, 443-50	5.1	33
116	Model for a novel membrane envelope in a filamentous hyperthermophilic virus. <i>ELife</i> , 2017 , 6,	8.9	32
115	Identification and functional analysis of the Rz/Rz1-like accessory lysis genes in the membrane-containing bacteriophage PRD1. <i>Molecular Microbiology</i> , 2008 , 68, 492-503	4.1	31
114	Casposon integration shows strong target site preference and recapitulates protospacer integration by CRISPR-Cas systems. <i>Nucleic Acids Research</i> , 2016 , 44, 10367-10376	20.1	30
113	Does the evolution of viral polymerases reflect the origin and evolution of viruses?. <i>Nature Reviews Microbiology</i> , 2009 , 7, 250; author reply 250	22.2	29
112	A virus of hyperthermophilic archaea with a unique architecture among DNA viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2478-83	11.5	28
111	Deep Roots and Splendid Boughs of the Global Plant Virome. <i>Annual Review of Phytopathology</i> , 2020 , 58, 23-53	10.8	27
110	Recombination between RNA viruses and plasmids might have played a central role in the origin and evolution of small DNA viruses. <i>BioEssays</i> , 2012 , 34, 867-70	4.1	27
109	Binomial nomenclature for virus species: a consultation. <i>Archives of Virology</i> , 2020 , 165, 519-525	2.6	27

108	The LUCA and its complex virome. <i>Nature Reviews Microbiology</i> , 2020 , 18, 661-670	22.2	27
107	Virus-borne mini-CRISPR arrays are involved in interviral conflicts. <i>Nature Communications</i> , 2019 , 10, 5204	17.4	27
106	Recent Mobility of Casposons, Self-Synthesizing Transposons at the Origin of the CRISPR-Cas Immunity. <i>Genome Biology and Evolution</i> , 2016 , 8, 375-86	3.9	26
105	A novel lysis system in PM2, a lipid-containing marine double-stranded DNA bacteriophage. <i>Molecular Microbiology</i> , 2007 , 64, 1635-48	4.1	25
104	A network perspective on the virus world. <i>Communicative and Integrative Biology</i> , 2017 , 10, e1296614	1.7	24
103	Abundant Lysine Methylation and N-Terminal Acetylation in <i>Sulfolobus islandicus</i> Revealed by Bottom-Up and Top-Down Proteomics. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 3388-3404	7.6	23
102	A highly divergent archaeo-eukaryotic primase from the <i>Thermococcus nautilus</i> plasmid, pTN2. <i>Nucleic Acids Research</i> , 2014 , 42, 3707-19	20.1	23
101	The replication machinery of LUCA: common origin of DNA replication and transcription. <i>BMC Biology</i> , 2020 , 18, 61	7.3	22
100	Novel Families of Archaeo-Eukaryotic Primases Associated with Mobile Genetic Elements of Bacteria and Archaea. <i>Journal of Molecular Biology</i> , 2018 , 430, 737-750	6.5	22
99	Homologous Capsid Proteins Testify to the Common Ancestry of Retroviruses, Caulimoviruses, Pseudoviruses, and Metaviruses. <i>Journal of Virology</i> , 2017 , 91,	6.6	21
98	An extensively glycosylated archaeal pilus survives extreme conditions. <i>Nature Microbiology</i> , 2019 , 4, 1401-1410	26.6	21
97	Spindle-shaped viruses infect marine ammonia-oxidizing thaumarchaea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15645-15650	11.5	21
96	Unique architecture of thermophilic archaeal virus APBV1 and its genome packaging. <i>Nature Communications</i> , 2017 , 8, 1436	17.4	21
95	Genome characterization of lipid-containing marine bacteriophage PM2 by transposon insertion mutagenesis. <i>Journal of Virology</i> , 2006 , 80, 9270-8	6.6	21
94	The Origin of Virions and Virocells: The Escape Hypothesis Revisited 2012 , 43-60		20
93	Living side by side with a virus: characterization of two novel plasmids from <i>Thermococcus prierii</i> , a host for the spindle-shaped virus TPV1. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 3822-8	4.8	20
92	Holin of bacteriophage lambda: structural insights into a membrane lesion. <i>Molecular Microbiology</i> , 2008 , 69, 781-3	4.1	20
91	A novel family of tyrosine integrases encoded by the temperate pleolipovirus SNJ2. <i>Nucleic Acids Research</i> , 2018 , 46, 2521-2536	20.1	19

90	Bacteriophage GC1, a Novel Tectivirus Infecting <i>Gluconobacter Cerinus</i> , an Acetic Acid Bacterium Associated with Wine-Making. <i>Viruses</i> , 2018 , 10,	6.2	19
89	Integrated mobile genetic elements in Thaumarchaeota. <i>Environmental Microbiology</i> , 2019 , 21, 2056-2073	3.2	19
88	A Novel Type of Polyhedral Viruses Infecting Hyperthermophilic Archaea. <i>Journal of Virology</i> , 2017 , 91,	6.6	18
87	Structural conservation in a membrane-enveloped filamentous virus infecting a hyperthermophilic acidophile. <i>Nature Communications</i> , 2018 , 9, 3360	17.4	18
86	DNA topoisomerase VIII: a novel subfamily of type IIB topoisomerases encoded by free or integrated plasmids in Archaea and Bacteria. <i>Nucleic Acids Research</i> , 2014 , 42, 8578-91	20.1	18
85	A packing for A-form DNA in an icosahedral virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22591-22597	11.5	17
84	Calcium ion-dependent entry of the membrane-containing bacteriophage PM2 into its <i>Pseudoalteromonas</i> host. <i>Virology</i> , 2010 , 405, 120-8	3.6	16
83	Genetics for <i>Pseudoalteromonas</i> provides tools to manipulate marine bacterial virus PM2. <i>Journal of Bacteriology</i> , 2008 , 190, 1298-307	3.5	15
82	Diversity and evolution of B-family DNA polymerases. <i>Nucleic Acids Research</i> , 2020 , 48, 10142-10156	20.1	15
81	Evolution of an archaeal virus nucleocapsid protein from the CRISPR-associated Cas4 nuclease. <i>Biology Direct</i> , 2015 , 10, 65	7.2	14
80	Protein-protein interactions leading to recruitment of the host DNA sliding clamp by the hyperthermophilic <i>Sulfolobus islandicus</i> rod-shaped virus 2. <i>Journal of Virology</i> , 2014 , 88, 7105-8	6.6	14
79	Structures of filamentous viruses infecting hyperthermophilic archaea explain DNA stabilization in extreme environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 19643-19652	11.5	14
78	Diversity and comparative genomics of chimeric viruses in dominated peatlands. <i>Virus Evolution</i> , 2016 , 2, vew025	3.7	14
77	Plasmids from Euryarchaeota. <i>Microbiology Spectrum</i> , 2014 , 2,	8.9	13
76	New virus isolates from Italian hydrothermal environments underscore the biogeographic pattern in archaeal virus communities. <i>ISME Journal</i> , 2020 , 14, 1821-1833	11.9	13
75	Possibility and Challenges of Conversion of Current Virus Species Names to Linnaean Binomials. <i>Systematic Biology</i> , 2017 , 66, 463-473	8.4	12
74	Identification, Characterization, and Application of the Replicon Region of the Halophilic Temperate Sphaerolipovirus SNJ1. <i>Journal of Bacteriology</i> , 2016 , 198, 1952-1964	3.5	12
73	Novel haloarchaeal viruses from Lake Retba infecting <i>Haloferax</i> and <i>Halorubrum</i> species. <i>Environmental Microbiology</i> , 2019 , 21, 2129-2147	5.2	11

72	Polymyxin B induces lysis of marine pseudoalteromonads. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 3908-14	5.9	11
71	Structure of a filamentous virus uncovers familial ties within the archaeal virosphere. <i>Virus Evolution</i> , 2020 , 6, veaa023	3.7	11
70	New archaeal viruses discovered by metagenomic analysis of viral communities in enrichment cultures. <i>Environmental Microbiology</i> , 2019 , 21, 2002-2014	5.2	11
69	Primer-Independent DNA Synthesis by a Family B DNA Polymerase from Self-Replicating Mobile Genetic Elements. <i>Cell Reports</i> , 2017 , 21, 1574-1587	10.6	10
68	Archaeal extracellular vesicles are produced in an ESCRT-dependent manner and promote gene transfer and nutrient cycling in extreme environments. <i>ISME Journal</i> , 2021 , 15, 2892-2905	11.9	10
67	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , 2021 , 166, 3513-3566	2.6	10
66	Reply to Holmes and Duchêne, "Can Sequence Phylogenies Safely Infer the Origin of the Global Virome?": Deep Phylogenetic Analysis of RNA Viruses Is Highly Challenging but Not Meaningless. <i>MBio</i> , 2019 , 10,	7.8	9
65	Mysterious hexagonal pyramids on the surface of Pyrobaculum cells. <i>Biochimie</i> , 2015 , 118, 365-7	4.6	9
64	Gene sharing networks to automate genome-based prokaryotic viral taxonomy		9
63	The healthy human virome: from virus-host symbiosis to disease. <i>Current Opinion in Virology</i> , 2021 , 47, 86-94	7.5	9
62	: a New Realm for Archaeal Filamentous Viruses with Linear A-Form Double-Stranded DNA Genomes. <i>Journal of Virology</i> , 2021 , 95, e0067321	6.6	9
61	Virology: A parasite's parasite saves host's neighbours. <i>Nature</i> , 2016 , 540, 204-205	50.4	9
60	Cellular origin of the viral capsid-like bacterial microcompartments. <i>Biology Direct</i> , 2017 , 12, 25	7.2	8
59	ICTV Virus Taxonomy Profile: Plasmaviridae. <i>Journal of General Virology</i> , 2018 , 99, 617-618	4.9	8
58	Analysis of Spounaviruses as a Case Study for the Overdue Reclassification of Tailed Bacteriophages		8
57	Evolution of a major virion protein of the giant pandoraviruses from an inactivated bacterial glycoside hydrolase. <i>Virus Evolution</i> , 2020 , 6, veaa059	3.7	8
56	Isolation and Characterization of Bacteriophages That Infect , a Model Pathogen for Intestinal Diseases. <i>Viruses</i> , 2020 , 12,	6.2	8
55	Structure and assembly of archaeal viruses. <i>Advances in Virus Research</i> , 2020 , 108, 127-164	10.7	8

54	Virus-induced cell gigantism and asymmetric cell division in archaea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
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