Hanna M Oksanen

List of Publications by Year
in descending order

82	2,865	172457	197818
papers	citations	29 h-index	49 g-index

89	89	89	2466
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Changes to virus taxonomy and to the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2021). Archives of Virology, 2021, 166, 2633-2648.	2.1	219
2	Taxonomy of prokaryotic viruses: 2017 update from the ICTV Bacterial and Archaeal Viruses Subcommittee. Archives of Virology, 2018, 163, 1125-1129.	2.1	172
3	Global network of specific virusâ€“host interactions in hypersaline environments. Environmental Microbiology, 2012, 14, 426-440.	3.8	147
4	Taxonomy of prokaryotic viruses: 2018-2019 update from the ICTV Bacterial and Archaeal Viruses Subcommittee. Archives of Virology, 2020, 165, 1253-1260.	2.1	144
5	Insights into Virus Evolution and Membrane Biogenesis from the Structure of the Marine Lipid-Containing Bacteriophage PM2. Molecular Cell, 2008, 31, 749-761.	9.7	116
6	Archaeal viruses and bacteriophages: comparisons and contrasts. Trends in Microbiology, 2014, 22, 334-344.	7.7	91
7	Analysis of Spounaviruses as a Case Study for the Overdue Reclassification of Tailed Phages. Systematic Biology, 2020, 69, 110-123.	5.6	89
8	Structure and host-cell interaction of SH1, a membrane-containing, halophilic euryarchaeal virus. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8008-8013.	7.1	78
9	Virion Architecture Unifies Globally Distributed Pleolipoviruses Infecting Halophilic Archaea. Journal of Virology, 2012, 86, 5067-5079.	3.4	78
10	Mechanism of Membranous Tunnelling Nanotube Formation in Viral Genome Delivery. PLoS Biology, 2013, 11, e1001667.	5.6	75
11	The PM2 virion has a novel organization with an internal membrane and pentameric receptor binding spikes. Nature Structural and Molecular Biology, 2004, 11, 850-856.	8.2	60
12	Taxonomy of prokaryotic viruses: 2016 update from the ICTV bacterial and archaeal viruses subcommittee. Archives of Virology, 2017, 162, 1153-1157.	2.1	57
13	Sulfolobus Spindle-Shaped Virus 1 Contains Glycosylated Capsid Proteins, a Cellular Chromatin Protein, and Host-Derived Lipids. Journal of Virology, 2015, 89, 11681-11691.	3.4	54
14	Snapshot of haloarchaeal tailed virus genomes. RNA Biology, 2013, 10, 803-816.	3.1	51
15	Buried Alive: Microbes from Ancient Halite. Trends in Microbiology, 2016, 24, 148-160.	7.7	50
16	Closely Related Archaeal Haloarcula hispanica Icosahedral Viruses HHIV-2 and SH1 Have Nonhomologous Genes Encoding Host Recognition Functions. Journal of Virology, 2012, 86, 4734-4742.	3.4	48
17	Diverse antimicrobial interactions of halophilic archaea and bacteria extend over geographical distances and cross the domain barrier. MicrobiologyOpen, 2013, 2, 811-825.	3.0	48
18	Black box of phageâ€“bacterium interactions: exploring alternative phage infection strategies. Open Biology, 2021, 11, 210188.	3.6	47

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19	Modified coat protein forms the flexible spindleâ€shaped virion of haloarchaeal virus <scp>H</scp>is1. Environmental Microbiology, 2013, 15, 1674-1686.	3.8	46
20	Bacteriophage PM2 Has a Protein Capsid Surrounding a Spherical Proteinaceous Lipid Core. Journal of Virology, 2002, 76, 8169-8178.	3.4	44
21	Diversity, taxonomy, and evolution of archaeal viruses of the class Caudoviricetes. PLoS Biology, 2021, 19, e3001442.	5.6	44
22	Snapshot of virus evolution in hypersaline environments from the characterization of a membrane-containing Salisaeta icosahedral phage 1. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7079-7084.	7.1	42
23	A Structural Model of the Genome Packaging Process in a Membrane-Containing Double Stranded DNA Virus. PLoS Biology, 2014, 12, e1002024.	5.6	41
24	Pleolipoviridae, a newly proposed family comprising archaeal pleomorphic viruses with single-stranded or double-stranded DNA genomes. Archives of Virology, 2016, 161, 249-256.	2.1	41
25	Penetration of Membrane-Containing Double-Stranded-DNA Bacteriophage PM2 into Pseudoalteromonas Hosts. Journal of Bacteriology, 2004, 186, 5342-5354.	2.2	40
26	Monolithic ion exchange chromatographic methods for virus purification. Virology, 2012, 434, 271-277.	2.4	40
27	Half a Century of Research on Membrane-Containing Bacteriophages: Bringing New Concepts to Modern Virology. Viruses, 2019, 11, 76.	3.3	40
28	Identification and characterization of <scp>SNJ</scp>2, the first temperate pleolipovirus integrating into the genome of the <scp>SNJ</scp>1â€lysogenic archaeal strain. Molecular Microbiology, 2015, 98, 1002-1020.	2.5	36
29	Halophilic Archaea Cultivated from Surface Sterilized Middle-Late Eocene Rock Salt Are Polyploid. PLoS ONE, 2014, 9, e110533.	2.5	34
30	Haloviruses of archaea, bacteria, and eukaryotes. Current Opinion in Microbiology, 2015, 25, 40-48.	5.1	33
31	Differentiating between viruses and virus species by writing their names correctly. Archives of Virology, 2022, 167, 1231-1234.	2.1	33
32	Archaeal Viruses Multiply: Temporal Screening in a Solar Saltern. Viruses, 2015, 7, 1902-1926.	3.3	32
33	The complete genome of a viable archaeum isolated from 123â€millionâ€yearâ€old rock salt. Environmental Microbiology, 2016, 18, 565-579.	3.8	31
34	Asymmetrical Flow Field-Flow Fractionation on Virus and Virus-Like Particle Applications. Microorganisms, 2019, 7, 555.	3.6	30
35	Insight into the Assembly of Viruses with Vertical Single Î²-barrel Major Capsid Proteins. Structure, 2015, 23, 1866-1877.	3.3	29
36	Novel haloarchaeal viruses from Lake Retba infecting Haloferax and Halorubrum species. Environmental Microbiology, 2019, 21, 2129-2147.	3.8	28

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37	Genome Characterization of Lipid-Containing Marine Bacteriophage PM2 by Transposon Insertion Mutagenesis. Journal of Virology, 2006, 80, 9270-9278.	3.4	25
38	Comparison of Lipid-Containing Bacterial and Archaeal Viruses. Advances in Virus Research, 2015, 92, 1-61.	2.1	25
39	Haloarchaeal virus morphotypes. Biochimie, 2015, 118, 333-343.	2.6	25
40	Structural basis for assembly of vertical single Î²-barrel viruses. Nature Communications, 2019, 10, 1184.	12.8	25
41	HCIV-1 and Other Tailless Icosahedral Internal Membrane-Containing Viruses of the Family Sphaerolipoviridae. Viruses, 2017, 9, 32.	3.3	24
42	Bacterial Viruses Subcommittee and Archaeal Viruses Subcommittee of the ICTV: update of taxonomy changes in 2021. Archives of Virology, 2021, 166, 3239-3244.	2.1	24
43	Asymmetric flow field flow fractionation methods for virus purification. Journal of Chromatography A, 2016, 1469, 108-119.	3.7	23
44	K2 killer toxin-induced physiological changes in the yeastSaccharomyces cerevisiae. FEMS Yeast Research, 2016, 16, fow003.	2.3	23
45	Virusâ€host interplay in high salt environments. Environmental Microbiology Reports, 2016, 8, 431-444.	2.4	21
46	Pleomorphic archaeal viruses: the family Pleolipoviridae is expanding by seven new species. Archives of Virology, 2020, 165, 2723-2731.	2.1	21
47	ICTV Virus Taxonomy Profile: Corticoviridae. Journal of General Virology, 2017, 98, 888-889.	2.9	20
48	The first known virus isolates from Antarctic sea ice have complex infection patterns. FEMS Microbiology Ecology, 2018, 94, .	2.7	20
49	Purified Membrane-Containing Procapsids of Bacteriophage PRD1 Package the Viral Genome. Journal of Molecular Biology, 2009, 386, 637-647.	4.2	19
50	ICTV Virus Taxonomy Profile: Pleolipoviridae. Journal of General Virology, 2017, 98, 2916-2917.	2.9	19
51	Vesicle-like virion of Haloarcula hispanica pleomorphic virus 3 preserves high infectivity in saturated salt. Virology, 2016, 499, 40-51.	2.4	18
52	Genetics for Pseudoalteromonas Provides Tools To Manipulate Marine Bacterial Virus PM2. Journal of Bacteriology, 2008, 190, 1298-1307.	2.2	17
53	Monitoring Physiological Changes in Haloarchaeal Cell during Virus Release. Viruses, 2016, 8, 59.	3.3	16
54	ArchaealHaloarcula californiaeIcosahedral Virus 1 Highlights Conserved Elements in Icosahedral Membrane-Containing DNA Viruses from Extreme Environments. MBio, 2016, 7, .	4.1	16

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55	Membrane-assisted viral DNA ejection. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 664-672.	2.4	15
56	Viruses from the Hypersaline Environment. , 2011, , 153-172.		15
57	Extremely halophilic pleomorphic archaeal virus HRPV9 extends the diversity of pleolipoviruses with integrases. Research in Microbiology, 2018, 169, 500-504.	2.1	13
58	Membrane-containing virus particles exhibit the mechanics of a composite material for genome protection. Nanoscale, 2018, 10, 7769-7779.	5.6	12
59	Halophilic viruses with varying biochemical and biophysical properties are amenable to purification with asymmetrical flow field-flow fractionation. Extremophiles, 2017, 21, 1119-1132.	2.3	10
60	Genome Sequence of PM2-Like Phage Cr39582, Induced from a Pseudoalteromonas sp. Isolated from the Gut of Ciona robusta. Genome Announcements, 2018, 6, .	0.8	10
61	Membrane-Containing Icosahedral Bacteriophage PRD1: The Dawn of Viral Lineages. Advances in Experimental Medicine and Biology, 2019, 1215, 85-109.	1.6	9
62	Cellular and Genomic Properties of Haloferax gibbonsii LR2-5, the Host of Euryarchaeal Virus HFTV1. Frontiers in Microbiology, 2021, 12, 625599.	3.5	9
63	ICTV Virus Taxonomy Profile: Finnlakeviridae. Journal of General Virology, 2020, 101, 894-895.	2.9	9
64	The Unexplored Diversity of Pleolipoviruses: The Surprising Case of Two Viruses with Identical Major Structural Modules. Genes, 2018, 9, 131.	2.4	8
65	Asymmetrical flow field-flow fractionation in purification of an enveloped bacteriophage Ï•6. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1095, 251-257.	2.3	8
66	Virus-Host Interactions and Genetic Diversity of Antarctic Sea Ice Bacteriophages. MBio, 2022, 13, e0065122.	4.1	8
67	Virus Universe: Can It Be Constructed from a Limited Number of Viral Architectures. , 2012, , 83-105.		7
68	Growth Phase Dependent Cell Shape of Haloarcula. Microorganisms, 2021, 9, 231.	3.6	7
69	The use of low-resolution phasing followed by phase extension from 7.6 to 2.5â€…Ã… resolution with noncrystallographic symmetry to solve the structure of a bacteriophage capsid protein. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 228-232.	2.5	6
70	Probing protein interactions in the membrane-containing virus PRD1. Journal of General Virology, 2015, 96, 453-462.	2.9	5
71	Sample carryover and cleaning procedures for asymmetrical flow field-flow fractionation instrument. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1181, 122920.	2.3	5
72	The Viral Susceptibility of the Haloferax Species. Viruses, 2022, 14, 1344.	3.3	4

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73	Combined Approaches to Study Virus Structures. Sub-Cellular Biochemistry, 2013, 68, 203-246.	2.4	3
74	Bacteriophage PRD1 as a nanoscaffold for drug loading. Nanoscale, 2021, 13, 19875-19883.	5.6	3
75	Virion Architecture Unifies Globally Distributed Pleolipoviruses Infecting Halophilic Archaea. Journal of Virology, 2012, 86, 6384-6384.	3.4	2
76	Subcellular localization of bacteriophage PRD1 proteins in Escherichia coli. Virus Research, 2014, 179, 44-52.	2.2	1
77	Inline-tandem purification of viruses from cell lysate by agarose-based chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1192, 123140.	2.3	1
78	Seeing the Portal in Membrane-containing Bacteriophage PRD1 by Cryo-EM. Microscopy and Microanalysis, 2014, 20, 1250-1251.	0.4	0
79	Non-structural proteins P17 and P33 are involved in the assembly of the internal membrane-containing virus PRD1. Virology, 2015, 482, 225-233.	2.4	0
80	Membrane-Containing Icosahedral DNA Bacteriophages. , 2021, , 36-44.		0
81	Isolating, Culturing, and Purifying Viruses With a Focus on Bacterial and Archaeal Viruses. , 2021, , 162-174.		0
82	Euryarchaeal Viruses. , 2021, , 368-379.		0