

James L Van Etten

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160
papers

5,811
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42
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168
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6,536
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
160	The <i>Chlorella variabilis</i> NC64A genome reveals adaptation to photosymbiosis, coevolution with viruses, and cryptic sex. <i>Plant Cell</i> , 2010 , 22, 2943-55	11.6	384
159	The structure and evolution of the major capsid protein of a large, lipid-containing DNA virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14758-63	11.5	207
158	"Megavirales", a proposed new order for eukaryotic nucleocytoplasmic large DNA viruses. <i>Archives of Virology</i> , 2013 , 158, 2517-21	2.6	193
157	Growth cycle of a virus, PBCV-1, that infects <i>Chlorella</i> -like algae. <i>Virology</i> , 1983 , 126, 117-25	3.6	185
156	Unusual life style of giant <i>Chlorella</i> viruses. <i>Annual Review of Genetics</i> , 2003 , 37, 153-95	14.5	150
155	Structure and assembly of large lipid-containing dsDNA viruses. <i>Nature Structural Biology</i> , 2000 , 7, 101-3		143
154	Phycodnaviruses: a peek at genetic diversity. <i>Virus Research</i> , 2006 , 117, 119-32	6.4	131
153	Hyaluronan synthase of <i>Chlorella</i> virus PBCV-1. <i>Science</i> , 1997 , 278, 1800-3	33.3	109
152	<i>Chlorella</i> viruses. <i>Advances in Virus Research</i> , 2006 , 66, 293-336	10.7	96
151	Optogenetics. Engineering of a light-gated potassium channel. <i>Science</i> , 2015 , 348, 707-10	33.3	95
150	DNA viruses: the really big ones (giruses). <i>Annual Review of Microbiology</i> , 2010 , 64, 83-99	17.5	92
149	Chloroviruses: not your everyday plant virus. <i>Trends in Plant Science</i> , 2012 , 17, 1-8	13.1	89
148	Chlorovirus ATCV-1 is part of the human oropharyngeal virome and is associated with changes in cognitive functions in humans and mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16106-11	11.5	83
147	Isolation and characterization of a virus from the intracellular green alga symbiotic with <i>Hydra viridis</i> . <i>Virology</i> , 1981 , 113, 704-11	3.6	80
146	Infection of a <i>Chlorella</i> -like alga with the virus, PBCV-1: ultrastructural studies. <i>Virology</i> , 1984 , 138, 341-6	3.6	78
145	Glycosyltransferases encoded by viruses. <i>Journal of General Virology</i> , 2004 , 85, 2741-2754	4.9	76
144	Structural proteins and lipids in a virus, PBCV-1, which replicates in a <i>Chlorella</i> -like alga. <i>Virology</i> , 1984 , 135, 308-15	3.6	74

143	Analysis of 74 kb of DNA located at the right end of the 330-kb chlorella virus PBCV-1 genome. <i>Virology</i> , 1997 , 237, 360-77	3.6	72
142	ISOLATION AND CHARACTERIZATION OF A VIRUS THAT INFECTS EMILIANIA HUXLEYI (HAPTOPHYTA)1. <i>Journal of Phycology</i> , 2002 , 38, 767-774	3	72
141	Sequence and annotation of the 369-kb NY-2A and the 345-kb AR158 viruses that infect Chlorella NC64A. <i>Virology</i> , 2007 , 358, 472-84	3.6	71
140	DNA synthesis in a Chlorella-like alga following infection with the virus PBCV-1. <i>Virology</i> , 1984 , 134, 443-96	3.6	68
139	Small potassium ion channel proteins encoded by chlorella viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 5318-24	11.5	65
138	Towards defining the chloroviruses: a genomic journey through a genus of large DNA viruses. <i>BMC Genomics</i> , 2013 , 14, 158	4.5	63
137	Three-dimensional structure and function of the Paramecium bursaria chlorella virus capsid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 14837-42	11.5	63
136	Characterization of two chitinase genes and one chitosanase gene encoded by Chlorella virus PBCV-1. <i>Virology</i> , 1999 , 263, 376-87	3.6	63
135	Virion-associated restriction endonucleases of chloroviruses. <i>Journal of Virology</i> , 2006 , 80, 8114-23	6.6	62
134	An icosahedral algal virus has a complex unique vertex decorated by a spike. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 11085-9	11.5	61
133	Hyaluronan synthesis in virus PBCV-1-infected chlorella-like green algae. <i>Virology</i> , 1999 , 257, 15-23	3.6	61
132	Functional analysis of FAD-dependent thymidylate synthase ThyX from Paramecium bursaria Chlorella virus-1. <i>Journal of Biological Chemistry</i> , 2004 , 279, 54340-7	5.4	54
131	Assembly site of the virus PBCV-1 in a Chlorella-like green alga: ultrastructural studies. <i>Virology</i> , 1986 , 154, 240-5	3.6	53
130	Characterization of a beta-1,3-glucanase encoded by chlorella virus PBCV-1. <i>Virology</i> , 2000 , 276, 27-36	3.6	51
129	Pushing the resolution limit by correcting the Ewald sphere effect in single-particle Cryo-EM reconstructions. <i>Nature Communications</i> , 2018 , 9, 1552	17.4	50
128	Epigenetic transcriptional repression of cellular genes by a viral SET protein. <i>Nature Cell Biology</i> , 2008 , 10, 1114-22	23.4	50
127	Paramecium bursaria chlorella virus 1 proteome reveals novel architectural and regulatory features of a giant virus. <i>Journal of Virology</i> , 2012 , 86, 8821-34	6.6	49
126	Sequence and annotation of the 288-kb ATCV-1 virus that infects an endosymbiotic chlorella strain of the heliozoon Acanthocystis turfacea. <i>Virology</i> , 2007 , 362, 350-61	3.6	49

125	Sequence and annotation of the 314-kb MT325 and the 321-kb FR483 viruses that infect <i>Chlorella Pbi</i> . <i>Virology</i> , 2007 , 358, 459-71	3.6	48
124	Molecular and genetic evidence for a virus-encoded glycosyltransferase involved in protein glycosylation. <i>Virology</i> , 2001 , 285, 332-45	3.6	48
123	Properties of the <i>Chlorella</i> receptor for the virus PBCV-1. <i>Virology</i> , 1988 , 164, 15-21	3.6	47
122	The DNA polymerase gene from <i>Chlorella</i> viruses PBCV-1 and NY-2A contains an intron with nuclear splicing sequences. <i>Virology</i> , 1992 , 188, 721-31	3.6	46
121	Characterization of a novel cis-syn and trans-syn-II pyrimidine dimer glycosylase/AP lyase from a eukaryotic algal virus, <i>Paramecium bursaria chlorella virus-1</i> . <i>Journal of Biological Chemistry</i> , 1998 , 273, 13136-42	5.4	45
120	Infection of a <i>Chlorella</i> -like alga with the virus PBCV-1: transcriptional studies. <i>Virology</i> , 1986 , 148, 181-93.	3.6	45
119	Viral infection of the symbiotic <i>Chlorella</i> -like alga present in <i>Hydra viridis</i> . <i>Virology</i> , 1981 , 113, 698-703	3.6	43
118	<i>Chlorella</i> virus PBCV-1 encodes functional glutamine: fructose-6-phosphate amidotransferase and UDP-glucose dehydrogenase enzymes. <i>Virology</i> , 1998 , 250, 388-96	3.6	42
117	<i>Chlorella</i> viruses evoke a rapid release of K ⁺ from host cells during the early phase of infection. <i>Virology</i> , 2008 , 372, 340-8	3.6	42
116	The voltage-sensing domain of a phosphatase gates the pore of a potassium channel. <i>Journal of General Physiology</i> , 2013 , 141, 389-95	3.4	41
115	Structure of N-linked oligosaccharides attached to chlorovirus PBCV-1 major capsid protein reveals unusual class of complex N-glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13956-60	11.5	41
114	<i>Chlorella</i> virus MT325 encodes water and potassium channels that interact synergistically. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 5355-60	11.5	41
113	<i>Paramecium bursaria Chlorella virus 1</i> encodes two enzymes involved in the biosynthesis of GDP-L-fucose and GDP-D-rhamnose. <i>Journal of Biological Chemistry</i> , 2003 , 278, 21559-65	5.4	39
112	Topoisomerase II from <i>Chlorella</i> virus PBCV-1. Characterization of the smallest known type II topoisomerase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 6915-21	5.4	39
111	A site-specific single strand endonuclease activity induced by NYS-1 virus infection of a <i>Chlorella</i> -like green alga. <i>Nucleic Acids Research</i> , 1988 , 16, 9477-87	20.1	39
110	Identification of an L-rhamnose synthetic pathway in two nucleocytoplasmic large DNA viruses. <i>Journal of Virology</i> , 2010 , 84, 8829-38	6.6	38
109	Microarray analysis of <i>Paramecium bursaria chlorella virus 1</i> transcription. <i>Journal of Virology</i> , 2010 , 84, 532-42	6.6	38
108	<i>Chlorella</i> viruses encode most, if not all, of the machinery to glycosylate their glycoproteins independent of the endoplasmic reticulum and Golgi. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010 , 1800, 152-9	4	37

107	Chlorella virus NY-2A encodes at least 12 DNA endonuclease/methyltransferase genes. <i>Virology</i> , 1998 , 240, 366-75	3.6	37
106	Protein glycosylation and myristylation in Chlorella virus PBCV-1 and its antigenic variants. <i>Virology</i> , 1994 , 203, 320-7	3.6	37
105	Near-atomic structure of a giant virus. <i>Nature Communications</i> , 2019 , 10, 388	17.4	36
104	Chlorella virus ATCV-1 encodes a functional potassium channel of 82 amino acids. <i>Biochemical Journal</i> , 2009 , 420, 295-303	3.8	36
103	Potassium ion channels of Chlorella viruses cause rapid depolarization of host cells during infection. <i>Journal of Virology</i> , 2006 , 80, 2437-44	6.6	36
102	Long distance interactions within the potassium channel pore are revealed by molecular diversity of viral proteins. <i>Journal of Biological Chemistry</i> , 2004 , 279, 28443-9	5.4	36
101	Transmembrane domain length of viral K ⁺ channels is a signal for mitochondria targeting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 12313-8	11.5	35
100	The short N-terminus is required for functional expression of the virus-encoded miniature K(+) channel Kcv. <i>FEBS Letters</i> , 2002 , 530, 65-9	3.8	35
99	Characterization of Chlorella virus PBCV-1 CviAll restriction and modification system. <i>Nucleic Acids Research</i> , 1992 , 20, 5351-6	20.1	35
98	Chlorella virus PBCV-1 encodes a functional homospermidine synthase. <i>Virology</i> , 1999 , 263, 254-62	3.6	34
97	Initial Events Associated with Virus PBCV-1 Infection of Chlorella NC64A. <i>Progress in Botany Fortschritte Der Botanik</i> , 2010 , 71, 169-183	0.6	34
96	Cloning of CviPII nicking and modification system from chlorella virus NYS-1 and application of Nt.CviPII in random DNA amplification. <i>Nucleic Acids Research</i> , 2004 , 32, 6187-99	20.1	33
95	Chlorella viruses contain genes encoding a complete polyamine biosynthetic pathway. <i>Virology</i> , 2007 , 360, 209-17	3.6	32
94	Hairpin loop structure at the termini of the chlorella virus PBCV-1 genome. <i>Virology</i> , 1994 , 202, 1079-82	3.6	32
93	Minimal art: or why small viral K(+) channels are good tools for understanding basic structure and function relations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 580-8	3.8	31
92	Topoisomerase II from Chlorella virus PBCV-1 has an exceptionally high DNA cleavage activity. <i>Journal of Biological Chemistry</i> , 2001 , 276, 24401-8	5.4	31
91	Large deletions in antigenic variants of the chlorella virus PBCV-1. <i>Virology</i> , 1995 , 214, 413-20	3.6	31
90	Chloroviruses. <i>Viruses</i> , 2019 , 12,	6.2	31

89	Chloroviruses Have a Sweet Tooth. <i>Viruses</i> , 2017 , 9,	6.2	30
88	Possible function for virus encoded K ⁺ channel Kcv in the replication of chlorella virus PBCV-1. <i>FEBS Letters</i> , 2003 , 552, 7-11	3.8	29
87	Chlorella viruses encode multiple DNA methyltransferases. <i>Biological Chemistry</i> , 1998 , 379, 423-8	4.5	29
86	Deep RNA sequencing reveals hidden features and dynamics of early gene transcription in <i>Paramecium bursaria</i> chlorella virus 1. <i>PLoS ONE</i> , 2014 , 9, e90989	3.7	29
85	<i>Paramecium bursaria</i> chlorella virus-1 encodes an unusual arginine decarboxylase that is a close homolog of eukaryotic ornithine decarboxylases. <i>Journal of Biological Chemistry</i> , 2004 , 279, 35760-7	5.4	28
84	Physical characterization of PBCV virus by sedimentation field flow fractionation. <i>Journal of Virological Methods</i> , 1985 , 11, 145-60	2.6	28
83	Virus-host interactions: insights from the replication cycle of the large <i>Paramecium bursaria</i> chlorella virus. <i>Cellular Microbiology</i> , 2016 , 18, 3-16	3.9	28
82	Differential role of NADP ⁺ and NADPH in the activity and structure of GDP-D-mannose 4,6-dehydratase from two chlorella viruses. <i>Journal of Biological Chemistry</i> , 2008 , 283, 184-193	5.4	27
81	The termini of the chlorella virus PBCV-1 genome are identical 2.2-kbp inverted repeats. <i>Virology</i> , 1991 , 180, 763-9	3.6	27
80	Rapid shotgun cloning utilizing the two base recognition endonuclease CviJI. <i>Nucleic Acids Research</i> , 1992 , 20, 3753-62	20.1	27
79	N-Linked Glycans of Chloroviruses Sharing a Core Architecture without Precedent. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 654-8	16.4	26
78	Chlorovirus-mediated membrane depolarization of <i>Chlorella</i> alters secondary active transport of solutes. <i>Journal of Virology</i> , 2008 , 82, 12181-90	6.6	25
77	<i>Chlorella</i> viruses prevent multiple infections by depolarizing the host membrane. <i>Journal of General Virology</i> , 2009 , 90, 2033-2039	4.9	24
76	Ornithine decarboxylase encoded by chlorella virus PBCV-1. <i>Virology</i> , 2002 , 301, 165-75	3.6	24
75	Restriction site map of the <i>Chlorella</i> virus PBCV-1 genome. <i>Plant Molecular Biology</i> , 1987 , 9, 247-57	4.6	24
74	Characterization of a new chlorovirus type with permissive and non-permissive features on phylogenetically related algal strains. <i>Virology</i> , 2017 , 500, 103-113	3.6	23
73	Characterization of a chlorella virus PBCV-1 encoded ribonuclease III. <i>Virology</i> , 2003 , 317, 73-83	3.6	21
72	Chlorovirus: a genus of Phycodnaviridae that infects certain chlorella-like green algae. <i>Molecular Plant Pathology</i> , 2005 , 6, 213-24	5.7	21

71	Structural organization of DNA in chlorella viruses. <i>PLoS ONE</i> , 2012 , 7, e30133	3.7	21
70	Functional HAK/KUP/KT-like potassium transporter encoded by chlorella viruses. <i>Plant Journal</i> , 2011 , 68, 977-86	6.9	20
69	Structure and function of a chlorella virus-encoded glycosyltransferase. <i>Structure</i> , 2007 , 15, 1031-9	5.2	20
68	A virus-encoded potassium ion channel is a structural protein in the chlorovirus <i>Paramecium bursaria</i> chlorella virus 1 virion. <i>Journal of General Virology</i> , 2013 , 94, 2549-2556	4.9	19
67	Intron conservation in the DNA polymerase gene encoded by Chlorella viruses. <i>Virology</i> , 2001 , 285, 313-316	3.1	19
66	Chlorovirus PBCV-1 encodes an active copper-zinc superoxide dismutase. <i>Journal of Virology</i> , 2014 , 88, 12541-50	6.6	18
65	Another really, really big virus. <i>Viruses</i> , 2011 , 3, 32-46	6.2	18
64	Structure of the chlorovirus PBCV-1 major capsid glycoprotein determined by combining crystallographic and carbohydrate molecular modeling approaches. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E44-E52	11.5	17
63	Identification of Intrahelical Bifurcated H-Bonds as a New Type of Gate in K Channels. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7494-7503	16.4	16
62	Potassium ion channels: could they have evolved from viruses?. <i>Plant Physiology</i> , 2013 , 162, 1215-24	6.6	15
61	Molecular cloning of the three base restriction endonuclease R.CviJI from eukaryotic Chlorella virus IL-3A. <i>Nucleic Acids Research</i> , 1996 , 24, 2463-9	20.1	15
60	Cloning of Nt.CviQII nicking endonuclease and its cognate methyltransferase: M.CviQII methylates AG sequences. <i>Protein Expression and Purification</i> , 2006 , 49, 138-50	2	15
59	Response of Mammalian Macrophages to Challenge with the Chlorovirus <i>Acanthocystis turfacea</i> Chlorella Virus 1. <i>Journal of Virology</i> , 2015 , 89, 12096-107	6.6	14
58	Intron conservation in a UV-specific DNA repair gene encoded by chlorella viruses. <i>Journal of Molecular Evolution</i> , 2000 , 50, 82-92	3.1	14
57	Restriction generated oligonucleotides utilizing the two base recognition endonuclease CviJI*. <i>Nucleic Acids Research</i> , 1994 , 22, 1470-5	20.1	14
56	Noninvasive Measurement of Electrical Events Associated with a Single Chlorovirus Infection of a Microalgal Cell. <i>ACS Nano</i> , 2016 , 10, 5123-30	16.7	14
55	Multiple origins of endosymbionts in Chlorellaceae with no reductive effects on the plastid or mitochondrial genomes. <i>Scientific Reports</i> , 2017 , 7, 10101	4.9	13
54	Dynamic attachment of Chlorovirus PBCV-1 to <i>Chlorella variabilis</i> . <i>Virology</i> , 2014 , 466-467, 95-102	3.6	13

53	Viruses infecting marine picoplankton encode functional potassium ion channels. <i>Virology</i> , 2014 , 466-467, 103-11	3.6	13
52	Phycodnavirus potassium ion channel proteins question the virus molecular piracy hypothesis. <i>PLoS ONE</i> , 2012 , 7, e38826	3.7	13
51	Putative gene promoter sequences in the chlorella viruses. <i>Virology</i> , 2008 , 380, 388-93	3.6	13
50	Protein synthesis during fungal spore germination. II. Aminoacyl-soluble ribonucleic acid synthetase activities during germination of <i>Botryodiplodia theobromae</i> spores. <i>Journal of Bacteriology</i> , 1968 , 96, 1042-8	3.5	13
49	Structural studies demonstrating a bacteriophage-like replication cycle of the eukaryote-infecting <i>Paramecium bursaria</i> chlorella virus-1. <i>PLoS Pathogens</i> , 2017 , 13, e1006562	7.6	12
48	Clean Low-Biomass Procedures and Their Application to Ancient Ice Core Microorganisms. <i>Frontiers in Microbiology</i> , 2018 , 9, 1094	5.7	12
47	Global analysis of <i>Chlorella variabilis</i> NC64A mRNA profiles during the early phase of <i>Paramecium bursaria</i> chlorella virus-1 infection. <i>PLoS ONE</i> , 2014 , 9, e90988	3.7	12
46	A functional calcium-transporting ATPase encoded by chlorella viruses. <i>Journal of General Virology</i> , 2010 , 91, 2620-9	4.9	12
45	Genes for Membrane Transport Proteins: Not So Rare in Viruses. <i>Viruses</i> , 2018 , 10,	6.2	12
44	Protein synthesis during fungal spore germination: differential protein synthesis during germination of <i>Botryodiplodia theobromae</i> spores. <i>Journal of Bacteriology</i> , 1972 , 112, 1029-31	3.5	11
43	Structure of the N-glycans from the chlorovirus NE-JV-1. <i>Antonie Van Leeuwenhoek</i> , 2017 , 110, 1391-1399	10	10
42	Evaluation of higher plant virus resistance genes in the green alga, <i>Chlorella variabilis</i> NC64A, during the early phase of infection with <i>Paramecium bursaria</i> chlorella virus-1. <i>Virology</i> , 2013 , 442, 101-13	3.6	10
41	Crystal structure of a virus-encoded putative glycosyltransferase. <i>Journal of Virology</i> , 2010 , 84, 12265-73	3.6	10
40	Three-year survey of abundance, prevalence and genetic diversity of chlorovirus populations in a small urban lake. <i>Archives of Virology</i> , 2016 , 161, 1839-47	2.6	10
39	<i>Paramecium bursaria</i> chlorella virus 1 encodes a polyamine acetyltransferase. <i>Journal of Biological Chemistry</i> , 2012 , 287, 9547-51	5.4	9
38	Chlorella viruses. <i>Plant Molecular Biology Reporter</i> , 1985 , 3, 180-187	1.7	9
37	Predators catalyze an increase in chloroviruses by foraging on the symbiotic hosts of zoochlorellae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13780-13784	11.5	9
36	The -glycan structures of the antigenic variants of chlorovirus PBCV-1 major capsid protein help to identify the virus-encoded glycosyltransferases. <i>Journal of Biological Chemistry</i> , 2019 , 294, 5688-5699	5.4	8

35	Characterization of a protein kinase gene from two Chlorella viruses. <i>Virus Research</i> , 1995 , 35, 291-305	6.4	8
34	Survey of phytopathogenic pseudomonads for a restriction and modification system active on the double-stranded ribonucleic acid phage ϕ 6. <i>Current Microbiology</i> , 1981 , 5, 247-249	2.4	8
33	Chloroviruses Lure Hosts through Long-Distance Chemical Signaling. <i>Journal of Virology</i> , 2019 , 93,	6.6	7
32	Chlorovirus Skp1-binding ankyrin repeat protein interplay and mimicry of cellular ubiquitin ligase machinery. <i>Journal of Virology</i> , 2014 , 88, 13798-810	6.6	7
31	Glacier ice archives nearly 15,000-year-old microbes and phages. <i>Microbiome</i> , 2021 , 9, 160	16.6	7
30	Giant Chloroviruses: Five Easy Questions. <i>PLoS Pathogens</i> , 2016 , 12, e1005751	7.6	7
29	Chlorovirus PBCV-1 protein A064R has three of the transferase activities necessary to synthesize its capsid protein N-linked glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28735-28742	11.5	6
28	Size-dependent Catalysis of Chlorovirus Population Growth by A Messy Feeding Predator. <i>Microbial Ecology</i> , 2018 , 75, 847-853	4.4	6
27	Gene Gangs of the Chloroviruses: Conserved Clusters of Collinear Monocistronic Genes. <i>Viruses</i> , 2018 , 10,	6.2	6
26	Reply to Kjartansdóttir et al.: Chlorovirus ATCV-1 findings not explained by contamination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E927	11.5	5
25	DNA methylation impacts the cleavage activity of Chlorella virus topoisomerase II. <i>Biochemistry</i> , 2005 , 44, 15378-86	3.2	5
24	Distinct lipid bilayer compositions have general and protein-specific effects on K ⁺ channel function. <i>Journal of General Physiology</i> , 2021 , 153,	3.4	5
23	Towards an integrative view of virus phenotypes. <i>Nature Reviews Microbiology</i> , 2021 ,	22.2	5
22	Cryopreservation of Paramecium bursaria Chlorella Virus-1 during an active infection cycle of its host. <i>PLoS ONE</i> , 2019 , 14, e0211755	3.7	4
21	A small viral potassium ion channel with an inherent inward rectification. <i>Channels</i> , 2019 , 13, 124-135	3	4
20	Large dsDNA chloroviruses encode diverse membrane transport proteins. <i>Virology</i> , 2015 , 479-480, 38-45	3.6	4
19	SMRT Sequencing of Paramecium Bursaria Chlorella Virus-1 Reveals Diverse Methylation Stability in Adenines Targeted by Restriction Modification Systems. <i>Frontiers in Microbiology</i> , 2020 , 11, 887	5.7	4
18	Chlorella virus PBCV-1 replication is not affected by cytoskeletal disruptors. <i>Intervirology</i> , 1992 , 33, 116-20	2.5	4

17	Functional Implication of the tRNA Genes Encoded in the Chlorella Virus PBCV-I Genome. <i>Plant Pathology Journal</i> , 2005 , 21, 334-342	2.5	4
16	Sterol Biosynthesis in Four Green Algae: A Bioinformatic Analysis of the Ergosterol Versus Phytosterol Decision Point. <i>Journal of Phycology</i> , 2021 , 57, 1199-1211	3	4
15	Preparation of biologically active ribosomal subunits from fungal spores. <i>Journal of Bacteriology</i> , 1971 , 106, 704-6	3.5	3
14	Characteristics of deoxyribonucleic acid polymerase isolated from spores of <i>Rhizopus stolonifer</i> . <i>Journal of Bacteriology</i> , 1973 , 115, 762-8	3.5	3
13	Phycodnaviruses (Phycodnaviridae) 2021 , 687-695		3
12	Genetic Diversity of Potassium Ion Channel Proteins Encoded by Chloroviruses That Infect. <i>Viruses</i> , 2020 , 12,	6.2	2
11	A Functional K Channel from Tetraselmis Virus 1, a Member of the. <i>Viruses</i> , 2020 , 12,	6.2	2
10	Chlorovirus PBCV-1 Multidomain Protein A111/114R Has Three Glycosyltransferase Functions Involved in the Synthesis of Atypical N-Glycans. <i>Viruses</i> , 2021 , 13,	6.2	2
9	Conversion of an instantaneous activating K channel into a slow activating inward rectifier. <i>FEBS Letters</i> , 2017 , 591, 295-303	3.8	1
8	Detection of endoproteinases in polyacrylamide gels. <i>Electrophoresis</i> , 1983 , 4, 433-435	3.6	1
7	Functional genomic analyses reveal an open pan-genome for the chloroviruses and a potential for genetic innovation in new isolates. <i>Journal of Virology</i> , 2021 , JVI0136721	6.6	1
6	Pursuit of chlorovirus genetic transformation and CRISPR/Cas9-mediated gene editing. <i>PLoS ONE</i> , 2021 , 16, e0252696	3.7	1
5	Identification of a Chlorovirus PBCV-1 Protein Involved in Degrading the Host Cell Wall during Virus Infection. <i>Viruses</i> , 2021 , 13,	6.2	1
4	Biophysical Approaches to Solve the Structures of the Complex Glycan Shield of Chloroviruses. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1104, 237-257	3.6	1
3	Life history diversity and signals of trade-offs in a large group of chloroviruses		1
2	Chlorovirus ATCV-1 Accelerates Motor Deterioration in SOD1-G93A Transgenic Mice and Its SOD1 Augments Induction of Inflammatory Factors From Murine Macrophages.. <i>Frontiers in Neurology</i> , 2022 , 13, 821166	4.1	0
1	Meetings in Mexico. <i>Science</i> , 1973 , 179, 12-13	33.3	