

Declan C Schroeder

List of Publications by Year in descending order

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90
papers

7,005
citations

87888

38
h-index

64796

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97
all docs

97
docs citations

97
times ranked

7446
citing authors

#	ARTICLE	IF	CITATIONS
1	New perspectives for evaluating relative risks of African swine fever virus contamination in global feed ingredient supply chains. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 31-56.	3.0	18
2	Uses of molecular taxonomy in identifying phytoplankton communities from the Continuous Plankton Recorder Survey. , 2022, , 47-79.		2
3	Phycodnaviruses (Phycodnaviridae). , 2021, , 687-695.		7
4	Ten Years of Deformed Wing Virus (DWV) in Hawaiian Honey Bees (<i>Apis mellifera</i>), the Dominant DWV-A Variant Is Potentially Being Replaced by Variants with a DWV-B Coding Sequence. <i>Viruses</i> , 2021, 13, 969.	3.3	13
5	Phylogenetic Structure and Sequential Dominance of Sub-Lineages of PRRSV Type-2 Lineage 1 in the United States. <i>Vaccines</i> , 2021, 9, 608.	4.4	38
6	Deformed wing virus variant shift from 2010 to 2016 in managed and feral UK honey bee colonies. <i>Archives of Virology</i> , 2021, 166, 2693-2702.	2.1	14
7	Phylogenetically Distinct Near-Complete Genome Sequences of Porcine Reproductive and Respiratory Syndrome Virus Type 2 Variants from Four Distinct Disease Outbreaks at U.S. Swine Farms over the Past 6 Years. <i>Microbiology Resource Announcements</i> , 2021, 10, e0026021.	0.6	4
8	Tracing Viral Transmission and Evolution of Bovine Leukemia Virus through Long Read Oxford Nanopore Sequencing of the Proviral Genome. <i>Pathogens</i> , 2021, 10, 1191.	2.8	5
9	Molecular and phylogenetic analysis reveals new diversity of <i>Dunaliella salina</i> from hypersaline environments. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2021, 101, 27-37.	0.8	9
10	A longitudinal study on PRRSV detection in swine herds with different demographics and PRRSV management strategies. <i>Transboundary and Emerging Diseases</i> , 2021, , .	3.0	1
11	Flexible genes establish widespread bacteriophage pan-genomes in cryoconite hole ecosystems. <i>Nature Communications</i> , 2020, 11, 4403.	12.8	36
12	Implications of increasing Atlantic influence for Arctic microbial community structure. <i>Scientific Reports</i> , 2020, 10, 19262.	3.3	11
13	RNAseq of Deformed Wing Virus and Other Honey Bee-Associated Viruses in Eight Insect Taxa with or without <i>Varroa</i> Infestation. <i>Viruses</i> , 2020, 12, 1229.	3.3	19
14	Bee Viruses: Routes of Infection in Hymenoptera. <i>Frontiers in Microbiology</i> , 2020, 11, 943.	3.5	76
15	Detection and Replication of Moku Virus in Honey Bees and Social Wasps. <i>Viruses</i> , 2020, 12, 607.	3.3	20
16	The Pathogen Profile of a Honey Bee Queen Does Not Reflect That of Her Workers. <i>Insects</i> , 2020, 11, 382.	2.2	9
17	Meta-analysis of honey bee neurogenomic response links Deformed wing virus type A to precocious behavioral maturation. <i>Scientific Reports</i> , 2020, 10, 3101.	3.3	35
18	Day length as a key factor moderating the response of coccolithophore growth to elevated CO_2 . <i>Limnology and Oceanography</i> , 2019, 64, 1284-1296.	3.1	7

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19	RNAseq Analysis Reveals Virus Diversity within Hawaiian Apiary Insect Communities. <i>Viruses</i> , 2019, 11, 397.	3.3	28
20	DWV-A Lethal to Honey Bees (<i>Apis mellifera</i>): A Colony Level Survey of DWV Variants (A, B, and C) in England, Wales, and 32 States across the US. <i>Viruses</i> , 2019, 11, 426.	3.3	62
21	Temporal Dynamics of Co-circulating Lineages of Porcine Reproductive and Respiratory Syndrome Virus. <i>Frontiers in Microbiology</i> , 2019, 10, 2486.	3.5	56
22	Pentaplaconium saltonense gen. et sp. nov. (Dinophyceae) and its relationship to the cyst-defined genus Operculodinium and yessotoxin-producing Protoceratium reticulatum. <i>Harmful Algae</i> , 2018, 71, 57-77.	4.8	20
23	Distinct Oceanic Microbiomes From Viruses to Protists Located Near the Antarctic Circumpolar Current. <i>Frontiers in Microbiology</i> , 2018, 9, 1474.	3.5	23
24	Phaeoviral Infections Are Present in Macroalgae, <i>Ecklonia</i> and <i>Undaria</i> (Laminariales) and Are Influenced by Wave Exposure in Ectocarpales. <i>Viruses</i> , 2018, 10, 410.	3.3	12
25	Phaeoviruses discovered in kelp (Laminariales). <i>ISME Journal</i> , 2017, 11, 2869-2873.	9.8	24
26	Integrated biological responses and tissue-specific expression of <i>p53</i> and <i>ras</i> genes in marine mussels following exposure to benzo(a)pyrene and C ₆₀ fullerenes, either alone or in combination. <i>Mutagenesis</i> , 2017, 32, 77-90.	2.6	33
27	A Comparison of Deformed Wing Virus in Deformed and Asymptomatic Honey Bees. <i>Insects</i> , 2017, 8, 28.	2.2	45
28	Isolation and Characterization of a Double Stranded DNA Megavirus Infecting the Toxin-Producing Haptophyte <i>Prymnesium parvum</i> . <i>Viruses</i> , 2017, 9, 40.	3.3	20
29	Change in <i>Emiliania huxleyi</i> Virus Assemblage Diversity but Not in Host Genetic Composition during an Ocean Acidification Mesocosm Experiment. <i>Viruses</i> , 2017, 9, 41.	3.3	10
30	Schrödinger's Cheshire Cat: Are Haploid <i>Emiliania huxleyi</i> Cells Resistant to Viral Infection or Not?. <i>Viruses</i> , 2017, 9, 51.	3.3	10
31	A Pelagic Microbiome (Viruses to Protists) from a Small Cup of Seawater. <i>Viruses</i> , 2017, 9, 47.	3.3	17
32	ABC Assay: Method Development and Application to Quantify the Role of Three DWV Master Variants in Overwinter Colony Losses of European Honey Bees. <i>Viruses</i> , 2017, 9, 314.	3.3	62
33	Environmental carbonate chemistry selects for phenotype of recently isolated strains of <i>Emiliania huxleyi</i> . <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 127, 28-40.	1.4	34
34	Choice of molecular barcode will affect species prevalence but not bacterial community composition. <i>Marine Genomics</i> , 2016, 29, 39-43.	1.1	10
35	Opening the door to new virus interactions in the aquatic world. <i>Journal of Phycology</i> , 2016, 52, 491-492.	2.3	1
36	Moku virus; a new Iflavirus found in wasps, honey bees and <i>Varroa</i> . <i>Scientific Reports</i> , 2016, 6, 34983.	3.3	55

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37	A role for diatom-like silicon transporters in calcifying coccolithophores. <i>Nature Communications</i> , 2016, 7, 10543.	12.8	78
38	Diversity in a honey bee pathogen: first report of a third master variant of the Deformed Wing Virus quasispecies. <i>ISME Journal</i> , 2016, 10, 1264-1273.	9.8	147
39	Superinfection exclusion and the long-term survival of honey bees in <i>Varroa</i> -infested colonies. <i>ISME Journal</i> , 2016, 10, 1182-1191.	9.8	88
40	Key metabolic pathways involved in xenobiotic biotransformation and stress responses revealed by transcriptomics of the mangrove oyster <i>Crassostrea brasiliana</i> . <i>Aquatic Toxicology</i> , 2015, 166, 10-20.	4.0	53
41	The ocean sampling day consortium. <i>GigaScience</i> , 2015, 4, 27.	6.4	185
42	The Continuous Plankton Recorder survey: How can long-term phytoplankton datasets contribute to the assessment of Good Environmental Status?. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 162, 88-97.	2.1	42
43	More to Phaeovirus infections than first meets the eye. <i>Perspectives in Phycology</i> , 2015, 2, 105-109.	1.9	9
44	A Novel Evolutionary Strategy Revealed in the Phaeoviruses. <i>PLoS ONE</i> , 2014, 9, e86040.	2.5	14
45	Genotyping an <i>Emiliania huxleyi</i> (prymnesiophyceae) bloom event in the North Sea reveals evidence of asexual reproduction. <i>Biogeosciences</i> , 2014, 11, 5215-5234.	3.3	35
46	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. <i>PLoS Biology</i> , 2014, 12, e1001889.	5.6	885
47	How many Coccolithovirus genotypes does it take to terminate an <i>Emiliania huxleyi</i> bloom?. <i>Virology</i> , 2014, 466-467, 138-145.	2.4	16
48	The CO ₂ microalgae biorefinery: high value products and biofuels using halophilic microalgae in the "D-Factory". <i>New Biotechnology</i> , 2014, 31, S14-S15.	4.4	1
49	A light in the darkness: New biotransformation genes, antioxidant parameters and tissue-specific responses in oysters exposed to phenanthrene. <i>Aquatic Toxicology</i> , 2014, 152, 324-334.	4.0	71
50	Pan genome of the phytoplankton <i>Emiliania</i> underpins its global distribution. <i>Nature</i> , 2013, 499, 209-213.	27.8	448
51	Dissecting the impact of CO ₂ and pH on the mechanisms of photosynthesis and calcification in the coccolithophore <i>Emiliania huxleyi</i> . <i>New Phytologist</i> , 2013, 199, 121-134.	7.3	171
52	On the description of <i>Tisochrysis lutea</i> gen. nov. sp. nov. and <i>Isochrysis nuda</i> sp. nov. in the Isochrysidales, and the transfer of <i>Dicrateria</i> to the Prymnesiales (Haptophyta). <i>Journal of Applied Phycology</i> , 2013, 25, 1763-1776.	2.8	169
53	Deformed wing virus. <i>Virulence</i> , 2012, 3, 589-591.	4.4	58
54	Effect of Metals on the Lytic Cycle of the Coccolithovirus, EhV86. <i>Frontiers in Microbiology</i> , 2012, 3, 155.	3.5	11

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55	The Ectocarpus Genome and Brown Algal Genomics. <i>Advances in Botanical Research</i> , 2012, 64, 141-184.	1.1	18
56	Dynamics and genotypic composition of <i>Emiliania huxleyi</i> and their co-occurring viruses during a coccolithophore bloom in the North Sea. <i>FEMS Microbiology Ecology</i> , 2012, 81, 315-323.	2.7	27
57	Global Honey Bee Viral Landscape Altered by a Parasitic Mite. <i>Science</i> , 2012, 336, 1304-1306.	12.6	548
58	Tissue-Specific Expression of <i>p53</i> and <i>ras</i> Genes in Response to the Environmental Genotoxicant Benzo(a)pyrene in Marine Mussels. <i>Environmental Science & Technology</i> , 2011, 45, 8974-8981.	10.0	49
59	Molecular tools separate harmful algal bloom species, <i>Karenia mikimotoi</i> , from different geographical regions into distinct sub-groups. <i>Harmful Algae</i> , 2011, 10, 636-643.	4.8	26
60	Expression of biomineralization-related ion transport genes in <i>Emiliania huxleyi</i> . <i>Environmental Microbiology</i> , 2011, 13, 3250-3265.	3.8	82
61	Genetic diversity of <i>Ectocarpus</i> (Ectocarpales, Phaeophyceae) in Peru and northern Chile, the area of origin of the genome-sequenced strain. <i>New Phytologist</i> , 2010, 188, 30-41.	7.3	20
62	The Ectocarpus genome and the independent evolution of multicellularity in brown algae. <i>Nature</i> , 2010, 465, 617-621.	27.8	774
63	Reinstatement of <i>Ectocarpus croauianorum</i> Thuret in Le Jolis as a third common species of <i>Ectocarpus</i> (Ectocarpales, Phaeophyceae) in Western Europe, and its phenology at Roscoff, Brittany. <i>Phycological Research</i> , 2010, 58, 157-170.	1.6	38
64	Molecular Mechanisms Underlying Calcification in Coccolithophores. <i>Geomicrobiology Journal</i> , 2010, 27, 585-595.	2.0	110
65	Sequencing and characterization of virus genomes. , 2010, , 134-144.		1
66	A unicellular algal virus, <i>Emiliania huxleyi</i> virus 86, exploits an animal-like infection strategy. <i>Journal of General Virology</i> , 2009, 90, 2306-2316.	2.9	119
67	Novel virus dynamics in an <i>Emiliania huxleyi</i> bloom. <i>Journal of Plankton Research</i> , 2009, 31, 787-791.	1.8	19
68	Deformed Wing Virus Implicated in Overwintering Honeybee Colony Losses. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7212-7220.	3.1	247
69	Genomic analysis of the smallest giant virus "Feldmannia sp. virus 158. <i>Virology</i> , 2009, 384, 223-232.	2.4	27
70	Global-scale processes with a nanoscale drive: the role of marine viruses. <i>ISME Journal</i> , 2008, 2, 575-578.	9.8	226
71	The use of RNA-dependent RNA polymerase for the taxonomic assignment of Picorna-like viruses (order) Tj ETQq1 1,0784314 rgBT /Ove	3.4	44
72	Occurrence and genetic analysis of picorna-like viruses infecting worker bees of <i>Apis mellifera</i> L. populations in Devon, South West England. <i>Journal of Invertebrate Pathology</i> , 2008, 98, 239-242.	3.2	43

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73	Development and validation of a molecular technique for the analysis of archived formalin-preserved phytoplankton samples permits retrospective assessment of <i>Emiliana huxleyi</i> communities. <i>Journal of Microbiological Methods</i> , 2008, 73, 118-124.	1.6	18
74	Molecular Dynamics of <i>Emiliana huxleyi</i> and Cooccurring Viruses during Two Separate Mesocosm Studies. <i>Applied and Environmental Microbiology</i> , 2007, 73, 554-562.	3.1	90
75	Use of microarrays to assess viral diversity: from genotype to phenotype. <i>Environmental Microbiology</i> , 2007, 9, 971-982.	3.8	42
76	Genome comparison of two Coccolithoviruses. <i>Virology Journal</i> , 2006, 3, 15.	3.4	32
77	Phylogenetic analysis of PgV-102P, a new virus from the English Channel that infects <i>Phaeocystis globosa</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2006, 86, 485-490.	0.8	19
78	Preliminary characterisation of repeat families in the genome of EhV-86, a giant algal virus that infects the marine microalga <i>Emiliana huxleyi</i> . <i>Archives of Virology</i> , 2006, 151, 525-535.	2.1	26
79	Locus-Specific Gene Expression Pattern Suggests a Unique Propagation Strategy for a Giant Algal Virus. <i>Journal of Virology</i> , 2006, 80, 7699-7705.	3.4	49
80	Evolutionary History of the Coccolithoviridae. <i>Molecular Biology and Evolution</i> , 2006, 23, 86-92.	8.9	57
81	Identification of a Diagnostic Marker To Detect Freshwater Cyanophages of Filamentous Cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2006, 72, 5713-5719.	3.1	31
82	Variability in microbial population dynamics between similarly perturbed mesocosms. <i>Journal of Plankton Research</i> , 2006, 28, 783-791.	1.8	23
83	A GENETIC MARKER TO SEPARATE EMILIANIA HUXLEYI (PRYMNESIOPHYCEAE) MORPHOTYPES1. <i>Journal of Phycology</i> , 2005, 41, 874-879.	2.3	67
84	Complete Genome Sequence and Lytic Phase Transcription Profile of a <i>Coccolithovirus</i> . <i>Science</i> , 2005, 309, 1090-1092.	12.6	270
85	Investigation of the role of a β -glucuronidase produced by <i>Pseudoalteromonas gracilis</i> B9 in eliciting disease symptoms in the red alga <i>Gracilaria gracilis</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 2919-2929.	1.8	57
86	Virus Succession Observed during an <i>Emiliana huxleyi</i> Bloom. <i>Applied and Environmental Microbiology</i> , 2003, 69, 2484-2490.	3.1	108
87	Isolation of viruses responsible for the demise of an <i>Emiliana huxleyi</i> bloom in the English Channel. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2002, 82, 369-377.	0.8	173
88	Coccolithovirus (Phycodnaviridae): Characterisation of a new large dsDNA algal virus that infects <i>Emiliana huxleyi</i> . <i>Archives of Virology</i> , 2002, 147, 1685-1698.	2.1	168
89	Fingerprinting aquatic virus communities. , 0, , 9-18.		8
90	Detection of Multiple Lineages of PRRSV in Breeding and Growing Swine Farms. <i>Frontiers in Veterinary Science</i> , 0, 9, .	2.2	10