Gael Kurath

List of Publications by Year
in descending order

75 papers	4,439 citations	109321 35 h-index	110387 64 g-index
80 all docs	80 docs citations	80 times ranked	4032 citing authors

#	Article	IF	Citations
1	Revised Taxonomy of Rhabdoviruses Infecting Fish and Marine Mammals. Animals, 2022, 12, 1363.	2.3	12
2	Comparative Susceptibilities of Selected California Chinook Salmon and Steelhead Populations to Isolates of L Genogroup Infectious Hematopoietic Necrosis Virus (IHNV). Animals, 2022, 12, 1733.	2.3	3
3	Fish Rhabdoviruses (Rhabdoviridae). , 2021, , 324-331.		1
4	Virulence and Infectivity of UC, MD, and L Strains of Infectious Hematopoietic Necrosis Virus (IHNV) in Four Populations of Columbia River Basin Chinook Salmon. Viruses, 2021, 13, 701.	3.3	6
5	Virus shedding kinetics and unconventional virulence tradeoffs. PLoS Pathogens, 2021, 17, e1009528.	4.7	4
6	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566.	2.1	62
7	2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2020, 165, 3023-3072.	2.1	184
8	The Nucleoprotein and Phosphoprotein Are Major Determinants of the Virulence of Viral Hemorrhagic Septicemia Virus in Rainbow Trout. Journal of Virology, 2019, 93, .	3.4	21
9	Taxonomy of the order Mononegavirales: second update 2018. Archives of Virology, 2019, 164, 1233-1244.	2.1	70
10	Taxonomy of the order Mononegavirales: update 2019. Archives of Virology, 2019, 164, 1967-1980.	2.1	224
11	The glycoprotein, non-virion protein, and polymerase of viral hemorrhagic septicemia virus are not determinants of host-specific virulence in rainbow trout. Virology Journal, 2019, 16, 31.	3.4	22
12	Phylogeography and evolution of infectious hematopoietic necrosis virus in China. Molecular Phylogenetics and Evolution, 2019, 131, 19-28.	2.7	24
13	Taxonomy of the order Mononegavirales: update 2018. Archives of Virology, 2018, 163, 2283-2294.	2.1	153
14	Problems of classification in the family Paramyxoviridae. Archives of Virology, 2018, 163, 1395-1404.	2.1	30
15	Insight into infectious hematopoietic necrosis virus (IHNV) in Chinese rainbow trout aquaculture from virus isolated from 7 provinces in 2010â€“2014. Aquaculture, 2018, 496, 239-246.	3.5	15
16	Molecular systematics of sturgeon nucleocytoplasmic large DNA viruses. Molecular Phylogenetics and Evolution, 2018, 128, 26-37.	2.7	18
17	ICTV Virus Taxonomy Profile: Rhabdoviridae. Journal of General Virology, 2018, 99, 447-448.	2.9	207
18	Taxonomy of the order Mononegavirales: update 2017. Archives of Virology, 2017, 162, 2493-2504.	2.1	173

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19	A effective DNA vaccine against diverse genotype J infectious hematopoietic necrosis virus strains prevalent in China. Vaccine, 2017, 35, 2420-2426.	3.8	25
20	Vaccine Effects on Heterogeneity in Susceptibility and Implications for Population Health Management. MBio, 2017, 8, .	4.1	32
21	Transmission routes maintaining a viral pathogen of steelhead trout within a complex multiâ€host assemblage. Ecology and Evolution, 2017, 7, 8187-8200.	1.9	10
22	Replication and shedding kinetics of infectious hematopoietic necrosis virus in juvenile rainbow trout. Virus Research, 2017, 227, 200-211.	2.2	27
23	The family Rhabdoviridae: mono- and bipartite negative-sense RNA viruses with diverse genome organization and common evolutionary origins. Virus Research, 2017, 227, 158-170.	2.2	200
24	Geography and host species shape the evolutionary dynamics of U genogroup infectious hematopoietic necrosis virus. Virus Evolution, 2016, 2, vew034.	4.9	15
25	Taxonomy of the order Mononegavirales: update 2016. Archives of Virology, 2016, 161, 2351-2360.	2.1	407
26	Spatial and temporal heterogeneity of infectious hematopoietic necrosis virus in Pacific Northwest salmonids. Infection, Genetics and Evolution, 2016, 45, 347-358.	2.3	11
27	Possibility and Challenges of Conversion of Current Virus Species Names to Linnaean Binomials. Systematic Biology, 2016, 66, syw096.	5.6	17
28	Successful mitigation of viral disease based on a delayed exposure rearing strategy at a large-scale steelhead trout conservation hatchery. Aquaculture, 2016, 450, 213-224.	3.5	11
29	Characterization of infectious dose and lethal dose of two strains of infectious hematopoietic necrosis virus (IHNV). Virus Research, 2016, 214, 80-89.	2.2	19
30	Increasing virulence, but not infectivity, associated with serially emergent virus strains of a fish rhabdovirus. Virus Evolution, 2016, 2, vev018.	4.9	9
31	Potential drivers of virulence evolution in aquaculture. Evolutionary Applications, 2016, 9, 344-354.	3.1	81
32	Evolution of Viral Virulence: Empirical Studies. , 2016, , 155-214.		2
33	A Missing Dimension in Measures of Vaccination Impacts. PLoS Pathogens, 2014, 10, e1003849.	4.7	54
34	Differential susceptibility in steelhead trout populations to an emergent MD strain of infectious hematopoietic necrosis virus. Diseases of Aquatic Organisms, 2014, 112, 17-28.	1.0	17
35	In vivo and in vitro phenotypic differences between Great Lakes VHSV genotype IVb isolates with sequence types vcG001 and vcG002. Journal of Great Lakes Research, 2014, 40, 879-885.	1.9	7
36	Round gobies are an important part of VHSV genotype IVb ecology in the St. Lawrence River and eastern Lake Ontario. Journal of Great Lakes Research, 2014, 40, 1002-1009.	1.9	12

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37	Viral fitness does not correlate with three genotype displacement events involving infectious hematopoietic necrosis virus. Virology, 2014, 464-465, 146-155.	2.4	15
38	Virulence of viral hemorrhagic septicemia virus (VHSV) genotypes Ia, IVa, IVb, and IVc in five fish species. Diseases of Aquatic Organisms, 2013, 107, 99-111.	1.0	39
39	Infectious Diseases of Fishes in the Salish Sea. Fisheries, 2013, 38, 402-409.	0.8	10
40	The Role of Virulence in In Vivo Superinfection Fitness of the Vertebrate RNA Virus Infectious Hematopoietic Necrosis Virus. Journal of Virology, 2013, 87, 8145-8157.	3.4	17
41	Emergence of MD type infectious hematopoietic necrosis virus in Washington State coastal steelhead trout. Diseases of Aquatic Organisms, 2013, 104, 179-195.	1.0	35
42	Viral fitness: definitions, measurement, and current insights. Current Opinion in Virology, 2012, 2, 538-545.	5.4	99
43	Analysis of host genetic diversity and viral entry as sources of between-host variation in viral load. Virus Research, 2012, 165, 71-80.	2.2	16
44	Predictive factors and viral genetic diversity for viral hemorrhagic septicemia virus infection in Lake Ontario and the St. Lawrence River. Journal of Great Lakes Research, 2012, 38, 278-288.	1.9	21
45	Complex dynamics at the interface between wild and domestic viruses of finfish. Current Opinion in Virology, 2011, 1, 73-80.	5.4	47
46	Transcriptome analysis of rainbow trout infected with high and low virulence strains of Infectious hematopoietic necrosis virus. Fish and Shellfish Immunology, 2011, 30, 84-93.	3.6	62
47	Specificity of DNA vaccines against the U and M genogroups of infectious hematopoietic necrosis virus (IHNV) in rainbow trout (Oncorhynchus mykiss). Fish and Shellfish Immunology, 2011, 31, 43-51.	3.6	18
48	In vivo fitness correlates with host-specific virulence of Infectious hematopoietic necrosis virus (IHNV) in sockeye salmon and rainbow trout. Virology, 2011, 417, 312-319.	2.4	24
49	Foreword: Pathogens and immune responses of fish and reptiles. Veterinary Research, 2011, 42, 101.	3.0	2
50	A Reverse Genetics System for the Great Lakes Strain of Viral Hemorrhagic Septicemia Virus: the NV Gene is Required for Pathogenicity. Marine Biotechnology, 2011, 13, 672-683.	2.4	76
51	In Vivo Fitness Associated with High Virulence in a Vertebrate Virus Is a Complex Trait Regulated by Host Entry, Replication, and Shedding. Journal of Virology, 2011, 85, 3959-3967.	3.4	38
52	Detection of Viral Hemorrhagic Septicemia Virus by Quantitative Reverse Transcription Polymerase Chain Reaction from Two Fish Species at Two Sites in Lake Superior. Journal of Aquatic Animal Health, 2011, 23, 207-217.	1.4	17
53	A Nuclear Localization of the Infectious Haematopoietic Necrosis Virus NV Protein Is Necessary for Optimal Viral Growth. PLoS ONE, 2011, 6, e22362.	2.5	38
54	Emergence of Viral hemorrhagic septicemia virus in the North American Great Lakes region is Âassociated with low viral genetic diversity. Diseases of Aquatic Organisms, 2011, 96, 29-43.	1.0	56

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55	Virulence correlates with fitness in vivo for two M group genotypes of Infectious hematopoietic necrosis virus (IHNV). Virology, 2010, 404, 51-58.	2.4	39
56	Resistance and Protective Immunity in Redfish Lake Sockeye Salmon Exposed to M Type Infectious Hematopoietic Necrosis Virus (IHNV). Journal of Aquatic Animal Health, 2010, 22, 129-139.	1.4	7
57	Early viral replication and induced or constitutive immunity in rainbow trout families with differential resistance to Infectious hematopoietic necrosis virus (IHNV). Fish and Shellfish Immunology, 2010, 28, 98-105.	3.6	55
58	Differential virulence mechanisms of infectious hematopoietic necrosis virus in rainbow trout (Oncorhynchus mykiss) include host entry and virus replication kinetics. Journal of General Virology, 2009, 90, 2172-2182.	2.9	90
59	In vivo virus growth competition assays demonstrate equal fitness of fish rhabdovirus strains that co-circulate in aquaculture. Virus Research, 2008, 137, 179-188.	2.2	21
60	Occurrence and genetic typing of infectious hematopoietic necrosis virus in Kamchatka, Russia. Diseases of Aquatic Organisms, 2007, 75, 1-11.	1.0	48
61	Protective immunity and lack of histopathological damage two years after DNA vaccination against infectious hematopoietic necrosis virus in trout. Vaccine, 2006, 24, 345-354.	3.8	90
62	Strand-specific, real-time RT-PCR assays for quantification of genomic and positive-sense RNAs of the fish rhabdovirus, Infectious hematopoietic necrosis virus. Journal of Virological Methods, 2006, 132, 18-24.	2.1	82
63	Virulence Comparisons of Infectious Hematopoietic Necrosis Virus U and M Genogroups in Sockeye Salmon and Rainbow Trout. Journal of Aquatic Animal Health, 2006, 18, 232-243.	1.4	82
64	Efficacy of an infectious hematopoietic necrosis (IHN) virus DNA vaccine in Chinook Oncorhynchus tshawytscha and sockeye O. nerka salmon. Diseases of Aquatic Organisms, 2005, 64, 13-22.	1.0	128
65	Quantitative expression profiling of immune response genes in rainbow trout following infectious haematopoietic necrosis virus (IHNV) infection or DNA vaccination. Fish and Shellfish Immunology, 2004, 17, 447-462.	3.6	208
66	Characterization of the mutant spectra of a fish RNA virus within individual hosts during natural infections. Virus Research, 2003, 96, 15-25.	2.2	11
67	Phylogeography of infectious haematopoietic necrosis virus in North America. Journal of General Virology, 2003, 84, 803-814.	2.9	188
68	Two distinct phylogenetic clades of infectious hematopoietic necrosis virus overlap within the Columbia River basin. Diseases of Aquatic Organisms, 2003, 55, 187-203.	1.0	70
69	Molecular epidemiology of infectious hematopoietic necrosis virus reveals complex virus traffic and evolution within southern Idaho aquaculture. Diseases of Aquatic Organisms, 2003, 55, 175-185.	1.0	79
70	Epidemiological investigation of infectious hematopoietic necrosis virus in salt water net-pen reared Atlantic salmon in British Columbia, Canada. Aquaculture, 2002, 212, 49-67.	3.5	46
71	Protection of rainbow trout against infectious hematopoietic necrosis virus four days after specific or semi-specific DNA vaccination. Vaccine, 2001, 19, 4011-4019.	3.8	120
72	Molecular Epidemiology Reveals Emergence of a Virulent Infectious Hematopoietic Necrosis (IHN) Virus Strain in Wild Salmon and Its Transmission to Hatchery Fish. Journal of Aquatic Animal Health, 2000, 12, 85-99.	1.4	34

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73	Fish DNA vaccine against infectious hematopoietic necrosis virus: efficacy of various routes of immunisation. Fish and Shellfish Immunology, 2000, 10, 711-723.	3.6	93
74	Genetic analyses reveal unusually high diversity of infectious haematopoietic necrosis virus in rainbow trout aquaculture. Journal of General Virology, 2000, 81, 2823-2832.	2.9	85
75	Satellite Tobacco Mosaic Virus Sequence Variants with Only Five Nucleotide Differences Can Interfere with Each Other in a Cross Protection-like Phenomenon in Plants. Virology, 1994, 202, 1065-1069.	2.4	13