Vikram N Vakharia

List of Publications by Year
in descending order

92	3,941	109321	133252
papers	citations	35 h-index	59 g-index

93	93	93	3059
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	World Society for Virology first international conference: Tackling global virus epidemics. Virology, 2022, 566, 114-121.	2.4	2
2	Genetic subtyping and phylogenetic analysis of HA and NA from avian influenza virus in wild birds from Peru reveals unique features among circulating strains in America. PLoS ONE, 2022, 17, e0268957.	2.5	3
3	Oral Vaccination of Grass Carp (Ctenopharyngodon idella) with Baculovirus-Expressed Grass Carp Reovirus (GCRV) Proteins Induces Protective Immunity against GCRV Infection. Vaccines, 2021, 9, 41.	4.4	9
4	Isolation, Identification, and Genomic Analysis of a Novel Reovirus from Healthy Grass Carp and Its Dynamic Proliferation In Vitro and In Vivo. Viruses, 2021, 13, 690.	3.3	11
5	Evaluation of the oncolytic property of recombinant Newcastle disease virus strain R2B in 4T1 and B16-F10 cells in-vitro. Research in Veterinary Science, 2021, 139, 159-165.	1.9	5
6	Newcastle Disease Virus Vectored Chicken Infectious Anaemia Vaccine Induces Robust Immune Response in Chickens. Viruses, 2021, 13, 1985.	3.3	3
7	Newcastle disease virus vectored rabies vaccine induces strong humoral and cell mediated immune responses in mice. Veterinary Microbiology, 2020, 251, 108890.	1.9	11
8	A Novel Subunit Vaccine Based on Outer Capsid Proteins of Grass Carp Reovirus (GCRV) Provides Protective Immunity against GCRV Infection in Rare Minnow (Gobiocypris rarus). Pathogens, 2020, 9, 945.	2.8	9
9	Effect of the Viral Hemorrhagic Septicemia Virus Nonvirion Protein on Translation via PERK-eIF2Î± Pathway. Viruses, 2020, 12, 499.	3.3	12
10	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
11	Recombinant Newcastle Disease Virus (NDV) Expressing Sigma C Protein of Avian Reovirus (ARV) Protects against Both ARV and NDV in Chickens. Pathogens, 2019, 8, 145.	2.8	10
12	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
13	Oral vaccination of Macrobrachium rosenbergii with baculovirus-expressed M. rosenbergii nodavirus (MrNV) capsid protein induces protective immunity against MrNV challenge. Fish and Shellfish Immunology, 2019, 86, 1123-1129.	3.6	23
14	Macrobrachium rosenbergii nodavirus (MrNV)-CP-RNA-2 DNA vaccine confers protective immunity in giant freshwater prawn Macrobrachium rosenbergii against MrNV infection. Fish and Shellfish Immunology, 2019, 86, 319-326.	3.6	11
15	ICTV virus taxonomy profile: Birnaviridae. Journal of General Virology, 2019, 100, 5-6.	2.9	54
16	ICTV virus taxonomy profile: Picobirnaviridae. Journal of General Virology, 2019, 100, 133-134.	2.9	39
17	Rescue of a recombinant Newcastle disease virus strain R2B expressing green fluorescent protein. Virus Genes, 2017, 53, 410-417.	1.6	13
18	Molecular characterization of infectious pancreatic necrosis virus strains isolated from the three types of salmonids farmed in Chile. Virology Journal, 2017, 14, 17.	3.4	13

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19	Advances in Aquaculture Vaccines Against Fish Pathogens: Global Status and Current Trends. Reviews in Fisheries Science and Aquaculture, 2017, 25, 184-217.	9.1	141
20	Crystal structure of an orthomyxovirus matrix protein reveals mechanisms for self-polymerization and membrane association. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8550-8555.	7.1	20
21	Role of Viral Hemorrhagic Septicemia Virus Matrix (M) Protein in Suppressing Host Transcription. Journal of Virology, 2017, 91, .	3.4	41
22	Newcastle Disease Virus Vectored Bivalent Vaccine against Virulent Infectious Bursal Disease and Newcastle Disease of Chickens. Vaccines, 2017, 5, 31.	4.4	15
23	Launching a Global Network of Virologists: The World Society for Virology (WSV). Intervirology, 2017, 60, 276-277.	2.8	3
24	Development of a novel Newcastle disease virus (NDV) neutralization test based on recombinant NDV expressing enhanced green fluorescent protein. Virology Journal, 2017, 14, 232.	3.4	19
25	Identification and Characterization of MicroRNAs in Snakehead Fish Cell Line upon Snakehead Fish Vesiculovirus Infection. International Journal of Molecular Sciences, 2016, 17, 154.	4.1	25
26	Phylogenetic analysis of the glycoprotein gene of viral hemorrhagic septicemia virus from Iranian trout farms points towards a common European origin. Veterinary Microbiology, 2016, 186, 97-101.	1.9	18
27	The zebrafish galectins Drgal1-L2 and Drgal3-L1 bind inÂvitro to the infectious hematopoietic necrosis virus (IHNV) glycoprotein and reduce viral adhesion to fish epithelial cells. Developmental and Comparative Immunology, 2016, 55, 241-252.	2.3	47
28	Breaking the host range: mandarin fish is susceptible to a vesiculovirus derived from snakehead fish. Journal of General Virology, 2015, 96, 775-781.	2.9	39
29	Specific nucleotides at the 3â€²-terminal promoter of viral hemorrhagic septicemia virus are important for virulence in vitro and in vivo. Virology, 2015, 476, 226-232.	2.4	19
30	Protective efficacy of a DNA vaccine construct encoding the VP2 gene of infectious bursal disease and a truncated HSP70 of Mycobacterium tuberculosis in chickens. Vaccine, 2015, 33, 1033-1039.	3.8	23
31	Protective and immunogenic effects of Escherichia coli- expressed infectious pancreatic necrosis virus (IPNV) VP2-VP3 fusion protein in rainbow trout. Fish and Shellfish Immunology, 2015, 47, 390-396.	3.6	17
32	Interchange of L polymerase protein between two strains of viral hemorrhagic septicemia virus (VHSV) genotype IV alters temperature sensitivities in vitro. Virus Research, 2015, 195, 203-206.	2.2	27
33	A single amino acid in VP2 is critical for the attachment of infectious bursal disease subviral particles to immobilized metal ions and DF-1 cells. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1173-1182.	2.3	2
34	Genotype Characterization of Commonly Used Newcastle Disease Virus Vaccine Strains of India. PLoS ONE, 2014, 9, e98869.	2.5	23
35	Sequence analysis of infectious pancreatic necrosis virus isolated from Iranian reared rainbow trout (Oncorhynchus mykiss) in 2012. Virus Genes, 2013, 47, 574-578.	1.6	22
36	The Crystal Structure and RNA-Binding of an Orthomyxovirus Nucleoprotein. PLoS Pathogens, 2013, 9, e1003624.	4.7	35

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37	Complete Genome Sequence of Newcastle Disease Virus Mesogenic Vaccine Strain R2B from India. Journal of Virology, 2012, 86, 13814-13815.	3.4	12
38	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
39	Recombinant Infectious Bursal Disease Virus Carrying Hepatitis C Virus Epitopes. Journal of Virology, 2011, 85, 1408-1414.	3.4	13
40	Nonvirion Protein of Novirhabdovirus Suppresses Apoptosis at the Early Stage of Virus Infection. Journal of Virology, 2011, 85, 8393-8402.	3.4	80
41	Evaluation of four enzyme linked immunosorbent assays for the detection of antibodies to infectious bursal disease in chickens. Journal of Virological Methods, 2010, 165, 277-282.	2.1	19
42	A vaccinia-virus-free reverse genetics system for infectious hematopoietic necrosis virus. Journal of Virological Methods, 2010, 167, 132-139.	2.1	29
43	Molecular characterization of the virulent infectious hematopoietic necrosis virus (IHNV) strain 220-90. Virology Journal, 2010, 7, 10.	3.4	35
44	Complete Nucleotide Analysis of the Structural Genome of the Infectious Bronchitis Virus Strain Md27 Reveals its Mosaic Nature. Viruses, 2009, 1, 1166-1177.	3.3	7
45	Formation of subviral particles of the capsid protein VP2 of infectious bursal disease virus and its application in serological diagnosis. Journal of Virological Methods, 2009, 157, 84-89.	2.1	29
46	Identification of sequence changes responsible for the attenuation of avian infectious bronchitis virus strain Arkansas DPI. Archives of Virology, 2009, 154, 495-499.	2.1	41
47	Molecular characterization of the Great Lakes viral hemorrhagic septicemia virus (VHSV) isolate from USA. Virology Journal, 2009, 6, 171.	3.4	53
48	Detection of NP, N3 and N7 antibodies to avian influenza virus by indirect ELISA using yeast-expressed antigens. Virology Journal, 2009, 6, 158.	3.4	15
49	Complete genomic sequence analysis of infectious bronchitis virus Ark DPI strain and its evolution by recombination. Virology Journal, 2008, 5, 157.	3.4	32
50	The structure of a birnavirus polymerase reveals a distinct active site topology. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7385-7390.	7.1	107
51	Antigenicity of infectious pancreatic necrosis virus VP2 subviral particles expressed in yeast. Vaccine, 2007, 25, 4880-4888.	3.8	42
52	Efficient expression of the 15-kDa form of infectious pancreatic necrosis virus VP5 by suppression of a UGA codon. Virus Research, 2006, 122, 61-68.	2.2	2
53	RNAi is an antiviral immune response against a dsRNA virus in Drosophila melanogaster. Cellular Microbiology, 2006, 8, 880-889.	2.1	266
54	Nonstructural Protein of Infectious Bursal Disease Virus Inhibits Apoptosis at the Early Stage of Virus Infection. Journal of Virology, 2006, 80, 3369-3377.	3.4	56

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55	Infectious pancreatic necrosis virus induces apoptosis in vitro and in vivo independent of VP5 expression. Virology, 2005, 342, 13-25.	2.4	51
56	Characterization of the nucleic acid-binding activity of the avian reovirus non-structural protein ÏƒNS. Journal of General Virology, 2005, 86, 1159-1169.	2.9	24
57	Infectious Pancreatic Necrosis Virus VP5 Is Dispensable for Virulence and Persistence. Journal of Virology, 2005, 79, 9206-9216.	3.4	67
58	The Toll pathway is important for an antiviral response in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7257-7262.	7.1	346
59	Molecular Determinants of Infectious Pancreatic Necrosis Virus Virulence and Cell Culture Adaptation. Journal of Virology, 2005, 79, 10289-10299.	3.4	101
60	Avian reovirus nonstructural protein Î¼NS forms viroplasm-like inclusions and recruits protein ÏƒNS to these structures. Virology, 2004, 319, 94-106.	2.4	80
61	Identification of putative motifs involved in the virulence of infectious pancreatic necrosis virus. Virology, 2004, 322, 31-40.	2.4	128
62	VP1 protein of infectious bursal disease virus modulates the virulence in vivo. Virology, 2004, 330, 62-73.	2.4	73
63	Birnavirus VP1 Proteins Form a Distinct Subgroup of RNA-Dependent RNA Polymerases Lacking a GDD Motif. Virology, 2002, 296, 241-250.	2.4	46
64	Cloning, Expression, and Characterization of Avian Reovirus Guanylyltransferase. Virology, 2002, 296, 288-299.	2.4	36
65	Induction of Apoptosis in Vitro by the 17-kDa Nonstructural Protein of Infectious Bursal Disease Virus: Possible Role in Viral Pathogenesis. Virology, 2001, 285, 50-58.	2.4	79
66	Molecular Determinants of Virulence, Cell Tropism, and Pathogenic Phenotype of Infectious Bursal Disease Virus. Journal of Virology, 2001, 75, 11974-11982.	3.4	202
67	Possible Involvement of the Double-Stranded RNA-Binding Core Protein Ï‚A in the Resistance of Avian Reovirus to Interferon. Journal of Virology, 2000, 74, 1124-1131.	3.4	58
68	Posttranslational Removal of the Carboxyl-terminal KDEL of the Cysteine Protease SH-EP Occurs Prior to Maturation of the Enzyme. Journal of Biological Chemistry, 1999, 274, 11390-11398.	3.4	25
69	Chimeric infectious bursal disease virus-like particles expressed in insect cells and purified by immobilized metal affinity chromatography. , 1999, 63, 721-729.		36
70	Insect larval expression process is optimized by generating fusions with green fluorescent protein. Biotechnology and Bioengineering, 1999, 65, 316-324.	3.3	47
71	Expression and purification of human interleukin-2 simplified as a fusion with green fluorescent protein in suspended Sf-9 insect cells. Journal of Biotechnology, 1999, 69, 9-17.	3.8	53
72	Green Fluorescent Protein as a Noninvasive Stress Probe in Resting Escherichia coli Cells. Applied and Environmental Microbiology, 1999, 65, 409-414.	3.1	74

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73	Butyrophilin Is Expressed in Mammary Epithelial Cells from a Single-sized Messenger RNA as a Type I Membrane Glycoprotein. Journal of Biological Chemistry, 1998, 273, 4171-4179.	3.4	51
74	Generation of a Mutant Infectious Bursal Disease Virus That Does Not Cause Bursal Lesions. Journal of Virology, 1998, 72, 2647-2654.	3.4	103
75	Generation of Infectious Pancreatic Necrosis Virus from Cloned cDNA. Journal of Virology, 1998, 72, 8913-8920.	3.4	53
76	Development of recombinant vaccines against infectious bursal disease. Biotechnology Annual Review, 1997, 3, 151-168.	2.1	17
77	Synthetic pheromone biosynthesis activating neuropeptide gene expressed in a baculovirus expression system. Insect Biochemistry and Molecular Biology, 1995, 25, 583-589.	2.7	13
78	Comparative Analysis of Virus-Induced Polypeptides of an Avirulent and a Virulent Strain of Avian Reovirus. Avian Diseases, 1994, 38, 244.	1.0	2
79	Purification of a recombinant protein produced in a baculovirus expression system by immobilized metal affinity chromatography. Biotechnology and Bioengineering, 1994, 43, 349-356.	3.3	26
80	Genetic variation of foot-and-mouth disease virus from field outbreaks to laboratory isolation. Virus Research, 1994, 32, 299-312.	2.2	29
81	Molecular basis of antigenic variation in infectious bursal disease virus. Virus Research, 1994, 31, 265-273.	2.2	155
82	Development of an Efficient Bioprocess for Poultry Vaccines Using Highâ€density Insect Cell Culture^a. Annals of the New York Academy of Sciences, 1994, 745, 336-359.	3.8	9
83	Expression of epoxide hydrolase in insect cells: A focus on the infected cell. Biotechnology and Bioengineering, 1993, 42, 240-246.	3.3	45
84	Interaction of hepatic microsomal epoxide hydrolase derived from a recombinant baculovirus expression system with an azarene oxide and an aziridine substrate analog. Biochemistry, 1993, 32, 2610-2616.	2.5	30
85	Use of Polymerase Chain Reaction for Efficient Cloning of dsRNA Segments of Infectious Bursal Disease Virus. Avian Diseases, 1992, 36, 736.	1.0	18
86	Identification of virus neutralizing epitopes on naturally occurring variants of type A12 foot-and-mouth disease virus. Virus Research, 1989, 14, 281-295.	2.2	13
87	Detection of dengue virus RNA using nucleic acid hybridization. Journal of Virological Methods, 1987, 15, 187-200.	2.1	24
88	Partial sequence analysis of cloned dengue virus type 2 genome. Gene, 1986, 46, 257-267.	2.2	41
89	The role of queuine in the aminoacylation of mammalian aspartate transfer RNAs. Nucleic Acids Research, 1983, 11, 4257-4272.	14.5	16
90	Structure of Transfer RNAs: Listing of 150 Additional Sequences. Progress in Molecular Biology and Translational Science, 1983, 28, 211-252.	1.9	14

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91	The structure of aspartate transfer RNA from rabbit liver. Biochemical and Biophysical Research Communications, 1982, 105, 1072-1081.	2.1	6
92	Reversed-phase boronate chromatography for the separation of O-methylribose nucleosides and aminoacyl-tRNAs. Analytical Biochemistry, 1980, 109, 1-11.	2.4	29