Vikram Misra

List of Publications by Year
in descending order

97 papers	4,305 citations	101543 36 h-index	128289 60 g-index
98 all docs	98 docs citations	98 times ranked	3831 citing authors

#	Article	IF	Citations
1	Bats and Coronaviruses. Viruses, 2019, 11, 41.	3.3	357
2	Inoculation of bats with European Geomyces destructans supports the novel pathogen hypothesis for the origin of white-nose syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6999-7003.	7.1	351
3	Novel Insights Into Immune Systems of Bats. Frontiers in Immunology, 2020, 11, 26.	4.8	212
4	Interactions of monoclonal antibodies and bovine herpesvirus type 1 (BHV-1) glycoproteins: Characterization of their biochemical and immunological properties. Virology, 1984, 135, 466-479.	2.4	167
5	Luman, a New Member of the CREB/ATF Family, Binds to Herpes Simplex Virus VP16-Associated Host Cellular Factor. Molecular and Cellular Biology, 1997, 17, 5117-5126.	2.3	164
6	Pathophysiology of white-nose syndrome in bats: a mechanistic model linking wing damage to mortality. Biology Letters, 2013, 9, 20130177.	2.3	150
7	Cytomegalovirus infectivity: Analysis of the phenomenon of centrifugal enhancement of infectivity. Virology, 1976, 72, 235-243.	2.4	141
8	Luman, the Cellular Counterpart of Herpes Simplex Virus VP16, Is Processed by Regulated Intramembrane Proteolysis. Molecular and Cellular Biology, 2002, 22, 5639-5649.	2.3	122
9	Immune System Modulation and Viral Persistence in Bats: Understanding Viral Spillover. Viruses, 2019, 11, 192.	3.3	104
10	The Herpesvirus Transactivator VP16 Mimics a Human Basic Domain Leucine Zipper Protein, Luman, in Its Interaction with HCF. Journal of Virology, 1998, 72, 6291-6297.	3.4	88
11	Sequence of a bovine herpesvirus type-1 glycoprotein gene that is homologous to the herpes simplex gene for the glycoprotein gB. Virology, 1988, 166, 542-549.	2.4	87
12	Zhangfei: a second cellular protein interacts with herpes simplex virus accessory factor HCF in a manner similar to Luman and VP16. Nucleic Acids Research, 2000, 28, 2446-2454.	14.5	82
13	Detection of polyoma and corona viruses in bats of Canada. Journal of General Virology, 2009, 90, 2015-2022.	2.9	80
14	Lack of inflammatory gene expression in bats: a unique role for a transcription repressor. Scientific Reports, 2017, 7, 2232.	3.3	79
15	Potential Role for Luman, the Cellular Homologue of Herpes Simplex Virus VP16 (Î± Gene trans-Inducing) Tj ETQq1 1 0.784314 rgBT /Ov	3.4	78
16	Protein and DNA elements involved in transactivation of the promoter of the bovine herpesvirus (BHV) 1 IE-1 transcription unit by the BHV alpha gene trans-inducing factor. Journal of Virology, 1994, 68, 4898-4909.	3.4	76
17	Analysis of bovine herpes virus-type 1 isolates by restriction endonuclease fingerprinting. Archives of Virology, 1983, 76, 341-354.	2.1	73
18	Identification and characterization of AtCASP, a plant transmembrane Golgi matrix protein. Plant Molecular Biology, 2005, 58, 109-122.	3.9	70

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19	The bovine herpesvirus alpha gene trans-inducing factor activates transcription by mechanisms different from those of its herpes simplex virus type 1 counterpart VP16. Journal of Virology, 1995, 69, 5209-5216.	3.4	68
20	Genetic heterogeneity within individual bovine rotavirus isolates. Journal of Virology, 1982, 44, 813-822.	3.4	57
21	Effect of tunicamycin on rotavirus assembly and infectivity. Journal of Virology, 1982, 43, 1082-1090.	3.4	52
22	The Most Abundant Protein in Bovine Herpes 1 Virions is a Homologue of Herpes Simplex Virus Type 1 UL47. Journal of General Virology, 1991, 72, 3077-3084.	2.9	48
23	Herpesvirus-induced "early" glycoprotein: characterization and possible role in immune cytolysis. Journal of Virology, 1982, 43, 1046-1054.	3.4	48
24	Bovid herpesvirus type-1 (Infectious bovine rhinotracheitis virus) induced thymidine kinase. Virology, 1982, 118, 191-201.	2.4	47
25	Proteolytic cleavage of bovine herpesvirus 1 (BHV-1) glycoprotein gB is not necessary for its function in BHV-1 or pseudorabies virus. Journal of Virology, 1994, 68, 1667-1674.	3.4	46
26	Behaviour of hibernating little brown bats experimentally inoculated with the pathogen that causes white-nose syndrome. Animal Behaviour, 2014, 88, 157-164.	1.9	45
27	Sensing nerve injury at the axonal ER: Activated Luman/CREB3 serves as a novel axonally synthesized retrograde regeneration signal. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16142-16147.	7.1	45
28	The Unfolded Protein Response and Cholesterol Biosynthesis Link Luman/CREB3 to Regenerative Axon Growth in Sensory Neurons. Journal of Neuroscience, 2015, 35, 14557-14570.	3.6	44
29	Conspecific disturbance contributes to altered hibernation patterns in bats with white-nose syndrome. Physiology and Behavior, 2015, 140, 71-78.	2.1	44
30	A persistently infecting coronavirus in hibernating Myotis lucifugus, the North American little brown bat. Journal of General Virology, 2017, 98, 2297-2309.	2.9	44
31	White-nose syndrome is associated with increased replication of a naturally persisting coronaviruses in bats. Scientific Reports, 2018, 8, 15508.	3.3	43
32	Properties of the multicapsid virions of murine cytomegalovirus. Virology, 1976, 72, 224-234.	2.4	41
33	Detection of equine herpesvirus and differentiation of equine herpesvirus type 1 from type 4 by the polymerase chain reaction. Canadian Journal of Microbiology, 1992, 38, 1193-1196.	1.7	41
34	Conformational alteration of Oct-1 upon DNA binding dictates selectivity in differential interactions with related transcriptional coactivators. Molecular and Cellular Biology, 1996, 16, 4404-4413.	2.3	41
35	The Neuronal Host Cell Factor-Binding Protein Zhangfei Inhibits Herpes Simplex Virus Replication. Journal of Virology, 2005, 79, 14708-14718.	3.4	41
36	White-Nose Syndrome Disease Severity and a Comparison of Diagnostic Methods. EcoHealth, 2016, 13, 60-71.	2.0	39

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37	Zhangfei Is a Potent and Specific Inhibitor of the Host Cell Factor-binding Transcription Factor Luman. Journal of Biological Chemistry, 2005, 280, 15257-15266.	3.4	38
38	Isolation and characterization of recombinant DNA plasmids carrying Drosophila tRNA genes. Gene, 1979, 7, 197-215.	2.2	37
39	Multiple Interactions Between Murine Cytomegalovirus and Lymphoid Cells In Vitro. Journal of General Virology, 1978, 38, 149-159.	2.9	35
40	Interferon Regulatory Factor 3-Mediated Signaling Limits Middle-East Respiratory Syndrome (MERS) Coronavirus Propagation in Cells from an Insectivorous Bat. Viruses, 2019, 11, 152.	3.3	33
41	Vertical Transmission of Murine Cytomegalovirus. Journal of General Virology, 1979, 42, 621-625.	2.9	32
42	Minor base sequence differences between the genomes of two strains of murine cytomegalovirus differing in virulence. Archives of Virology, 1980, 64, 1-8.	2.1	30
43	Tools to study pathogen-host interactions in bats. Virus Research, 2018, 248, 5-12.	2.2	29
44	G125A single-nucleotide polymorphism in the human BAX promoter affects gene expression. Oncogene, 2005, 24, 2042-2049.	5.9	28
45	Regulation of murine cytomegalovirus gene expression. I. Transcription during productive infection. Journal of Virology, 1978, 27, 263-268.	3.4	28
46	Sequences of the bovine herpesvims 1 homologue of herpes simplex virus type-1 Î±-trans-inducing factor (UL48). Gene, 1992, 119, 259-263.	2.2	26
47	The enumeration of viral genomes in murine cytomegalovirus-infected cells. Virology, 1977, 83, 458-461.	2.4	25
48	Bovine rotavirus-cell interactions: Effect of virus infection on cellular integrity and macromolecular synthesis. Virology, 1981, 114, 86-97.	2.4	25
49	SARS-CoV2 infectivity is potentially modulated by host redox status. Computational and Structural Biotechnology Journal, 2020, 18, 3705-3711.	4.1	25
50	Activation of Innate Immune-Response Genes in Little Brown Bats (Myotis lucifugus) Infected with the Fungus Pseudogymnoascus destructans. PLoS ONE, 2014, 9, e112285.	2.5	25
51	Generation and Characterization of Eptesicus fuscus (Big brown bat) kidney cell lines immortalized using the Myotis polyomavirus large T-antigen. Journal of Virological Methods, 2016, 237, 166-173.	2.1	24
52	The other whiteâ€nose syndrome transcriptome: Tolerant and susceptible hosts respond differently to the pathogen Pseudogymnoascus destructans. Ecology and Evolution, 2017, 7, 7161-7170.	1.9	24
53	Fungus Causing White-Nose Syndrome in Bats Accumulates Genetic Variability in North America with No Sign of Recombination. MSphere, 2017, 2, .	2.9	24
54	Construction of herpes simplex viruses that are pseudodiploid for the glycoprotein B gene: a strategy for studying the function of an essential herpesvirus gene. Journal of General Virology, 1991, 72, 385-392.	2.9	22

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55	Feline Leukemia Virus Detection by ELISA and PCR in Peripheral Blood from 68 Cats with High, Moderate, or Low Suspicion of having FeLV-Related Disease. Journal of Veterinary Diagnostic Investigation, 1996, 8, 25-30.	1.1	22
56	Broad and Temperature Independent Replication Potential of Filoviruses on Cells Derived From Old and New World Bat Species. Journal of Infectious Diseases, 2016, 214, S297-S302.	4.0	22
57	Selection of viral variants during persistent infection of insectivorous bat cells with Middle East respiratory syndrome coronavirus. Scientific Reports, 2020, 10, 7257.	3.3	22
58	Cleavage of the bovine herpesvirus glycoprotein B is not essential for its function. Journal of General Virology, 1991, 72, 2083-2090.	2.9	20
59	Gene contents in a 31-kb segment at the left genome end of bovine herpesvirus-1. Veterinary Microbiology, 1996, 53, 67-77.	1.9	20
60	Evidence of â€˜sickness behaviourâ€™ in bats with white-nose syndrome. Behaviour, 2016, 153, 981-1003.	0.8	20
61	Isolation, characterization and prevalence of a novel Gammaherpesvirus in Eptesicus fuscus, the North American big brown bat. Virology, 2018, 516, 227-238.	2.4	20
62	Monoclonal antibodies against LHRH: development and immunoactivity in vivo and in vitro. Journal of Reproductive Immunology, 1985, 7, 171-184.	1.9	19
63	A synthetic luteinizing hormone releasing hormone vaccine. Journal of Reproductive Immunology, 1988, 13, 249-261.	1.9	19
64	Susceptibility of bovid herpesvirus 1 to antiviral drugs: in vitro versus in vivo efficacy of (E)-5-(2-Bromovinyl)-2'-deoxyuridine. Antimicrobial Agents and Chemotherapy, 1983, 23, 715-720.	3.2	18
65	Murine cytomegalovirus gene expression during nonproductive infection in go-phase 3T3 cells. Virology, 1978, 90, 279-287.	2.4	17
66	Levamisole and bovine immunity: in vitro and in vivo effects on immune responses to herpesvirus immunization. Canadian Journal of Microbiology, 1981, 27, 1312-1319.	1.7	16
67	Mechanism for the induction of cell death in ONS-76 medulloblastoma cells by Zhangfei/CREB-ZF. Journal of Neuro-Oncology, 2012, 109, 485-501.	2.9	16
68	Zhangfei induces the expression of the nerve growth factor receptor, trkA, in medulloblastoma cells and causes their differentiation or apoptosis. Journal of Neuro-Oncology, 2009, 91, 7-17.	2.9	15
69	Stable reference genes in granulosa cells of bovine dominant follicles during follicular growth, FSH stimulation and maternal aging. Reproduction, Fertility and Development, 2016, 28, 795.	0.4	15
70	The effect of Zhangfei/CREBZF on cell growth, differentiation, apoptosis, migration, and the unfolded protein response in several canine osteosarcoma cell lines. BMC Veterinary Research, 2015, 11, 22.	1.9	14
71	Arousal from hibernation and reactivation ofEptesicus fuscusgammaherpesvirus (Ef<scp>HV</scp>) in big brown bats. Transboundary and Emerging Diseases, 2019, 66, 1054-1062.	3.0	14
72	Zhangfei, a novel regulator of the human nerve growth factor receptor, trkA. Journal of NeuroVirology, 2008, 14, 425-436.	2.1	13

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73	Surprise is a Neglected Aspect of Emerging Infectious Disease. EcoHealth, 2015, 12, 208-211.	2.0	13
74	Zhangfei/CREB-ZF â€“ A Potential Regulator of the Unfolded Protein Response. PLoS ONE, 2013, 8, e77256.	2.5	13
75	Inhibition of glycosylation of bovine herpesvirus 1 glycoproteins by the thymidine analog (E)-5-(2) Tj ETQq1 1 0.784314 rgBT /Overloc	3.2	12
76	Temperature-sensitive Mutants of Bovine Herpesvirus Type 1: Mutants Which Make Unaltered Levels of 'Early' Glycoproteins but Fail to Synthesize a 'Late' Glycoprotein. Journal of General Virology, 1989, 70, 125-132.	2.9	12
77	The effect of <scp>Z</scp>hangfei on the unfolded protein response and growth of cells derived from canine and human osteosarcomas. Veterinary and Comparative Oncology, 2013, 11, 140-150.	1.8	12
78	Effects of cyclic AMP response element binding proteinâ€“Zhangfei (CREBZF) on the unfolded protein response and cell growth are exerted through the tumor suppressor p53. Cell Cycle, 2014, 13, 279-292.	2.6	12
79	Model systems for analysis of latent cytomegalovirus infections. Canadian Journal of Microbiology, 1979, 25, 245-253.	1.7	10
80	Axotomy Induces Phasic Alterations in Luman/CREB3 Expression and Nuclear Localization in Injured and Contralateral Uninjured Sensory Neurons: Correlation With Intrinsic Axon Growth Capacity. Journal of Neuropathology and Experimental Neurology, 2019, 78, 348-364.	1.7	10
81	Novel Brn3a cis-acting sequences mediate transcription of human trkA in neurons. Journal of Neurochemistry, 2008, 105, 425-435.	3.9	9
82	Cloning and Characterization of Rat Luman/CREB3, A Transcription Factor Highly Expressed in Nervous System Tissue. Journal of Molecular Neuroscience, 2015, 55, 347-354.	2.3	9
83	A synthetic luteinizing hormone releasing hormone vaccine II. Temporal aspects of titer development and formulation trials in BALB/c mice. Journal of Reproductive Immunology, 1988, 14, 47-58.	1.9	7
84	Sequence analysis of the putative viral enhancer in tissues from 33 cats with various feline leukemia virus-related diseases. Veterinary Microbiology, 1996, 53, 213-225.	1.9	6
85	Murine cytomegalovirus infection in a non-permissive line of mouse fibroblasts. Archives of Virology, 1977, 55, 305-313.	2.1	5
86	Environmentally persistent pathogens present unique challenges for studies of hostâ€“pathogen interactions: Reply to Field (2018). Ecology and Evolution, 2018, 8, 5238-5241.	1.9	4
87	FOXO3a as a sensor of unilateral nerve injury in sensory neurons ipsilateral, contralateral and remote to injury. Neural Regeneration Research, 2020, 15, 2353.	3.0	4
88	Seroprevalence of Rift Valley Fever Virus Antibodies in Cattle in Mali, 2005â€“2014. American Journal of Tropical Medicine and Hygiene, 2018, 98, 872-874.	1.4	4
89	Sequence analysis of the alpha trans-inducing factor of bovine herpesvirus type 5 (BHV-5). Virus Genes, 2002, 24, 149-152.	1.6	3
90	Caution: choice of fixative can influence the visualization of the location of a transcription factor in mammalian cells. BioTechniques, 2018, 65, 65-69.	1.8	3

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91	When the left side knows something happened to the right â€“ sensing injury in neurons contralateral and remote to injury. Neural Regeneration Research, 2020, 15, 1854.	3.0	3
92	Detection and Quantitation of Pea and Soy-Derived Proteins in Calf Milk Replacers. Journal of Dairy Science, 1989, 72, 157-161.	3.4	2
93	Follistatin has characteristics of a primary response gene in porcine granulosa cells. Endocrine, 1995, 3, 609-614.	2.2	2
94	Characterization of a recombinant porcine follistatin in a heat shock expression system. Canadian Journal of Animal Science, 2002, 82, 295-304.	1.5	1
95	Abstract B59: Zhangfei/CREBZF arrests the growth of osteosarcoma cells by displacing Mdm2 and stabilizing p53.. , 2013, , .		1
96	Development of a murine ocular posterior segment explant culture for the study of intravitreous vector delivery. Canadian Journal of Veterinary Research, 2015, 79, 31-8.	0.2	1
97	Increase in gene-transcript levels as indicators of up-regulation of the unfolded protein response in spontaneous canine tumors. Canadian Journal of Veterinary Research, 2014, 78, 161-7.	0.2	0