Vivek R Nerurkar

List of Publications by Year
in descending order

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64 papers	2,380 citations	172443 29 h-index	214788 47 g-index
70 all docs	70 docs citations	70 times ranked	3380 citing authors

#	Article	IF	Citations
1	West Nile virus infection modulates human brain microvascular endothelial cells tight junction proteins and cell adhesion molecules: Transmigration across the in vitro blood-brain barrier. Virology, 2009, 385, 425-433.	2.4	210
2	West Nile virus-induced disruption of the bloodâ€“brain barrier in mice is characterized by the degradation of the junctional complex proteins and increase in multiple matrix metalloproteinases. Journal of General Virology, 2012, 93, 1193-1203.	2.9	138
3	Reversal of West Nile virus-induced bloodâ€“brain barrier disruption and tight junction proteins degradation by matrix metalloproteinases inhibitor. Virology, 2010, 397, 130-138.	2.4	116
4	Pro-inflammatory cytokines derived from West Nile virus (WNV)-infected SK-N-SH cells mediate neuroinflammatory markers and neuronal death. Journal of Neuroinflammation, 2010, 7, 73.	7.2	109
5	Human Polyomavirus JC (JCV) Infection of Human B Lymphocytes: A Possible Mechanism for JCV Transmigration across the Bloodâ€Brain Barrier. Journal of Infectious Diseases, 2010, 202, 184-191.	4.0	98
6	Inflammasome Adaptor Protein Apoptosis-Associated Speck-Like Protein Containing CARD (ASC) Is Critical for the Immune Response and Survival in West Nile Virus Encephalitis. Journal of Virology, 2013, 87, 3655-3667.	3.4	96
7	Induction of Endoplasmic Reticulum-Derived Replication-Competent Membrane Structures by West Nile Virus Non-Structural Protein 4B. PLoS ONE, 2014, 9, e84040.	2.5	73
8	Clinical and Imaging Findings in an Infant With Zika Embryopathy. Clinical Infectious Diseases, 2016, 63, 805-811.	5.8	72
9	Polyomavirus JC infects human brain microvascular endothelial cells independent of serotonin receptor 2A. Virology, 2007, 364, 55-63.	2.4	69
10	Immunogenicity and Protective Efficacy of a Recombinant Subunit West Nile Virus Vaccine in Rhesus Monkeys. Vaccine Journal, 2009, 16, 1332-1337.	3.1	69
11	Reduced immune cell infiltration and increased pro-inflammatory mediators in the brain of Type 2 diabetic mouse model infected with West Nile virus. Journal of Neuroinflammation, 2014, 11, 80.	7.2	61
12	A guinea pig model of Zika virus infection. Virology Journal, 2017, 14, 75.	3.4	60
13	A comparison of thick-film microscopy, rapid diagnostic test, and polymerase chain reaction for accurate diagnosis of Plasmodium falciparum malaria. Malaria Journal, 2019, 18, 73.	2.3	59
14	Integrated analysis of microRNAs and their disease related targets in the brain of mice infected with West Nile virus. Virology, 2014, 452-453, 143-151.	2.4	53
15	Impaired Virus Clearance, Compromised Immune Response and Increased Mortality in Type 2 Diabetic Mice Infected with West Nile Virus. PLoS ONE, 2012, 7, e44682.	2.5	47
16	Establishment and characterization of 13 cell lines from a green turtle (Chelonia mydas) with fibropapillomas. In Vitro Cellular and Developmental Biology - Animal, 1999, 35, 389-393.	1.5	44
17	JC virus induces altered patterns of cellular gene expression: Interferon-inducible genes as major transcriptional targets. Virology, 2006, 345, 457-467.	2.4	43
18	Elevated Levels of Matrix Metalloproteinase 9 and Tissue Inhibitor of Metalloproteinase 1 during the Acute Phase of Kawasaki Disease. Vaccine Journal, 2003, 10, 308-314.	3.1	42

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19	Regulation of glucose metabolism via hepatic forkhead transcription factor 1 (FoxO1) by Morinda citrifolia (noni) in high-fat diet-induced obese mice. British Journal of Nutrition, 2012, 108, 218-228.	2.3	42
20	Recombinant Zika Virus Subunits Are Immunogenic and Efficacious in Mice. MSphere, 2018, 3, .	2.9	42
21	Highly Conserved Residues in the Helical Domain of Dengue Virus Type 1 Precursor Membrane Protein Are Involved in Assembly, Precursor Membrane (prM) Protein Cleavage, and Entry. Journal of Biological Chemistry, 2014, 289, 33149-33160.	3.4	40
22	Dengue hemorrhagic fever-associated immunomediators induced via maturation of dengue virus nonstructural 4B protein in monocytes modulate endothelial cell adhesion molecules and human microvascular endothelial cells permeability. Virology, 2012, 422, 326-337.	2.4	39
23	Effect of Serum Heat-Inactivation and Dilution on Detection of Anti-WNV Antibodies in Mice by West Nile Virus E-protein Microsphere Immunoassay. PLoS ONE, 2012, 7, e45851.	2.5	39
24	LACK OF ASSOCIATION BETWEEN KAWASAKI SYNDROME AND INFECTION WITH PARVOVIRUS B19, HUMAN HERPESVIRUS 8, TT VIRUS, GB VIRUS C/HEPATITIS G VIRUS OR CHLAMYDIA PNEUMONIAE. Pediatric Infectious Disease Journal, 2000, 19, 477-479.	2.0	38
25	Identification of host genes leading to West Nile virus encephalitis in mice brain using RNA-seq analysis. Scientific Reports, 2016, 6, 26350.	3.3	37
26	Integrated MicroRNA and mRNA Profiling in Zika Virus-Infected Neurons. Viruses, 2019, 11, 162.	3.3	37
27	Interferonâ€± and â€² Restrict Polyomavirus JC Replication in Primary Human Fetal Glial Cells: Implications for Progressive Multifocal Leukoencephalopathy Therapy. Journal of Infectious Diseases, 2007, 196, 712-718.	4.0	32
28	Serotonin receptor 2A blocker (risperidone) has no effect on human polyomavirus JC infection of primary human fetal glial cells. Journal of NeuroVirology, 2008, 14, 448-454.	2.1	32
29	In vitro effects of selenium deficiency on West Nile virus replication and cytopathogenicity. Virology Journal, 2008, 5, 66.	3.4	32
30	Detection of Plasmodium falciparum DNA in saliva samples stored at room temperature: potential for a non-invasive saliva-based diagnostic test for malaria. Malaria Journal, 2017, 16, 434.	2.3	32
31	High prevalence of GB virus C/hepatitis G virus infection among homosexual men infected with human immunodeficiency virus type 1: Evidence for sexual transmission. Journal of Medical Virology, 1998, 56, 123-127.	5.0	31
32	Detection of Green Turtle Herpesviral Sequence in Saddleback WrasseThalassoma duperrey: A Possible Mode of Transmission of Green Turtle Fibropapilloma. Journal of Aquatic Animal Health, 2000, 12, 58-63.	1.4	29
33	Maturation of dengue virus nonstructural protein 4B in monocytes enhances production of dengue hemorrhagic fever-associated chemokines and cytokines. Virology, 2011, 418, 27-39.	2.4	28
34	Cyclooxygenase-2 inhibitor blocks the production of West Nile virus-induced neuroinflammatory markers in astrocytes. Journal of General Virology, 2011, 92, 507-515.	2.9	27
35	PCR-based detection of Plasmodium falciparum in saliva using mitochondrial cox3 and varATS primers. Tropical Medicine and Health, 2018, 46, 22.	2.8	26
36	Comparison of real-time PCR and hemagglutination assay for quantitation of human polyomavirus JC. Virology Journal, 2006, 3, 3.	3.4	25

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37	Genetic Characteristics and Phylogeny of 969-bp S Gene Sequence of SARS-CoV-2 from Hawai'i Reveals the Worldwide Emerging P681H Mutation. Hawai'i Journal of Health & Social Welfare, 2021, 80, 52-61.	0.2	25
38	The Development and Implementation of a Competency-Based Curriculum for Training in Global Health Research. American Journal of Tropical Medicine and Hygiene, 2015, 92, 163-171.	1.4	22
39	Deletion of Pregnancy Zone Protein and Murinoglobulin-1 Restricts the Pathogenesis of West Nile Virus Infection in Mice. Frontiers in Microbiology, 2019, 10, 259.	3.5	21
40	INVESTIGATION OF TT VIRUS IN THE ETIOLOGY OF PEDIATRIC ACUTE LYMPHOBLASTIC LEUKEMIA. Pediatric Hematology and Oncology, 2002, 19, 543-551.	0.8	20
41	A high-throughput and multiplex microsphere immunoassay based on non-structural protein 1 can discriminate three flavivirus infections. PLoS Neglected Tropical Diseases, 2019, 13, e0007649.	3.0	20
42	Infection with Non-Lethal West Nile Virus Eg101 Strain Induces Immunity that Protects Mice against the Lethal West Nile Virus NY99 Strain. Viruses, 2014, 6, 2328-2339.	3.3	19
43	Momordica charantia (bitter melon) modulates adipose tissue inflammasome gene expression and adipose-gut inflammatory cross talk in high-fat diet (HFD)-fed mice. Journal of Nutritional Biochemistry, 2019, 68, 16-32.	4.2	17
44	Elevated Levels of Pentraxin 3 Correlate With Neutrophilia and Coronary Artery Dilation During Acute Kawasaki Disease. Frontiers in Pediatrics, 2020, 8, 295.	1.9	16
45	A real-time and high-throughput neutralization test based on SARS-CoV-2 pseudovirus containing monomeric infrared fluorescent protein as reporter. Emerging Microbes and Infections, 2021, 10, 894-904.	6.5	16
46	Serological evidence of Ebola virus exposure in dogs from affected communities in Liberia: A preliminary report. PLoS Neglected Tropical Diseases, 2019, 13, e0007614.	3.0	14
47	Another piece of the Zika puzzle: assessing the associated factors to microcephaly in a systematic review and meta-analysis. BMC Public Health, 2020, 20, 827.	2.9	14
48	Induction of virus-specific effector immune cell response limits virus replication and severe disease in mice infected with non-lethal West Nile virus Eg101 strain. Journal of Neuroinflammation, 2015, 12, 178.	7.2	13
49	Prevalence of Antibodies to Zika Virus in Mothers from Hawaii Who Delivered Babies with and without Microcephaly between 2009-2012. PLoS Neglected Tropical Diseases, 2016, 10, e0005262.	3.0	13
50	Characterization of the Ectodomain of the Envelope Protein of Dengue Virus Type 4: Expression, Membrane Association, Secretion and Particle Formation in the Absence of Precursor Membrane Protein. PLoS ONE, 2014, 9, e100641.	2.5	12
51	Slow dendritic transport of dissociated mouse hippocampal neurons exposed to aluminum. Brain Research, 1997, 748, 237-240.	2.2	10
52	COVID-19 Special Column: Principles Behind the Technology for Detecting SARS-CoV-2, the Cause of COVID-19. Hawai'i Journal of Health & Social Welfare, 2020, 79, 136-142.	0.2	9
53	Sequence Note: CompletenefGene Sequence of HIV Type 1 Subtype Bâ€² from Professional Plasma Donors in the People's Republic of China. AIDS Research and Human Retroviruses, 1998, 14, 461-464.	1.1	7
54	Lack of association between acquisition of TT virus and risk behavior for HIV and HCV infection in Vietnam. International Journal of Infectious Diseases, 1999, 3, 181-185.	3.3	5

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55	In Vitro and In Vivo Bloodâ€“Brain Barrier Models to Study West Nile Virus Pathogenesis. Methods in Molecular Biology, 2016, 1435, 103-113.	0.9	4
56	Selective Reactivity of Anti-Japanese Encephalitis Virus NS4B Antibody Towards Different Flaviviruses. Viruses, 2020, 12, 212.	3.3	4
57	Potential Dual Role of West Nile Virus NS2B in Orchestrating NS3 Enzymatic Activity in Viral Replication. Viruses, 2021, 13, 216.	3.3	3
58	Functional Analysis of West Nile Virus Proteins in Human Cells. Methods in Molecular Biology, 2016, 1435, 45-60.	0.9	1
59	Study design and rationale to assess Doxycycline Efficacy in preventing coronary Artery Lesions in children with Kawasaki disease (DEAL trial) â€“ A phase II clinical trial. Contemporary Clinical Trials, 2018, 65, 33-38.	1.8	1
60	Medical School Hotline: Pacific Center for Emerging Infectious Diseases Research. Hawai'i Journal of Medicine & Public Health: A Journal of Asia Pacific Medicine & Public Health, 2017, 76, 23-26.	0.4	1
61	Effects of Highly Active Antiretroviral Therapy on Reverse Cholesterol Transport. FASEB Journal, 2006, 20, A487.	0.5	0
62	Effects of Highly Active Antiretroviral Therapy (HAART) on adipocyte differentiation in Murine 3T3â€L1 and Primary Human Adipocytes. FASEB Journal, 2007, 21, A295.	0.5	0
63	Momordica charantia (bitter melon) improves hepatic insulin signaling. FASEB Journal, 2008, 22, 948.12.	0.5	0
64	Momordica charantia reduces highâ€fatâ€dietâ€associated oxidative stress in mouse brain. FASEB Journal, 2009, 23, 507.2.	0.5	0