Manmohan Parida

List of Publications by Year
in descending order

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54 papers	3,435 citations	218677 26 h-index	161849 54 g-index
55 all docs	55 docs citations	55 times ranked	4201 citing authors

#	Article	IF	Citations
1	Loop mediated isothermal amplification (LAMP): a new generation of innovative gene amplification technique; perspectives in clinical diagnosis of infectious diseases. Reviews in Medical Virology, 2008, 18, 407-421.	8.3	559
2	Development and Evaluation of a Novel Loop-Mediated Isothermal Amplification Method for Rapid Detection of Severe Acute Respiratory Syndrome Coronavirus. Journal of Clinical Microbiology, 2004, 42, 1956-1961.	3.9	384
3	Real-Time Reverse Transcription Loop-Mediated Isothermal Amplification for Rapid Detection of West Nile Virus. Journal of Clinical Microbiology, 2004, 42, 257-263.	3.9	384
4	Rapid Detection and Differentiation of Dengue Virus Serotypes by a Real-Time Reverse Transcription-Loop-Mediated Isothermal Amplification Assay. Journal of Clinical Microbiology, 2005, 43, 2895-2903.	3.9	307
5	Assessment of in vitro prophylactic and therapeutic efficacy of chloroquine against chikungunya virus in vero cells. Journal of Medical Virology, 2010, 82, 817-824.	5.0	161
6	Japanese Encephalitis Outbreak, India, 2005. Emerging Infectious Diseases, 2006, 12, 1427-1430.	4.3	111
7	Assessment of immunogenic potential of Vero adapted formalin inactivated vaccine derived from novel ECSA genotype of Chikungunya virus. Vaccine, 2009, 27, 2513-2522.	3.8	109
8	Phylogenetic studies reveal existence of multiple lineages of a single genotype of DENV-1 (genotype III) in India during 1956â€“2007. Virology Journal, 2009, 6, 1.	3.4	105
9	Two novel epistatic mutations (E1:K211E and E2:V264A) in structural proteins of Chikungunya virus enhance fitness in Aedes aegypti. Virology, 2016, 497, 59-68.	2.4	95
10	Subunit vaccine formulations based on recombinant envelope proteins of Chikungunya virus elicit balanced Th1/Th2 response and virus-neutralizing antibodies in mice. Virus Research, 2012, 167, 236-246.	2.2	70
11	Development and Evaluation of Reverse Transcription Loop-Mediated Isothermal Amplification Assay for Rapid and Real-Time Detection of the Swine-Origin Influenza A H1N1 Virus. Journal of Molecular Diagnostics, 2011, 13, 100-107.	2.8	66
12	Differential proteome analysis of Chikungunya virusâ€infected newâ€born mice tissues reveal implication of stress, inflammatory and apoptotic pathways in disease pathogenesis. Proteomics, 2011, 11, 1936-1951.	2.2	58
13	Inhibition of chikungunya virus by picolinate that targets viral capsid protein. Virology, 2016, 498, 265-276.	2.4	57
14	RNA interference mediated inhibition of Chikungunya virus replication in mammalian cells. Biochemical and Biophysical Research Communications, 2008, 376, 718-722.	2.1	56
15	Molecular Diagnosis and Ocular Imaging of West Nile Virus Retinitis and Neuroretinitis. Ophthalmology, 2013, 120, 1820-1826.	5.2	56
16	Expression and Characterization of Yeast Derived Chikungunya Virus Like Particles (CHIK-VLPs) and Its Evaluation as a Potential Vaccine Candidate. PLoS Neglected Tropical Diseases, 2016, 10, e0004782.	3.0	53
17	Utility of IgM ELISA, TaqMan realâ€time PCR, reverse transcription PCR, and RTâ€LAMP assay for the diagnosis of Chikungunya fever. Journal of Medical Virology, 2012, 84, 1771-1778.	5.0	51
18	Molecular detection and characterization of West Nile virus associated with multifocal retinitis in patients from southern India. International Journal of Infectious Diseases, 2012, 16, e53-e59.	3.3	48

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19	Development and evaluation of antigen capture ELISA for early clinical diagnosis of chikungunya. Diagnostic Microbiology and Infectious Disease, 2009, 65, 142-149.	1.8	47
20	Evaluation of antiviral activity of piperazine against Chikungunya virus targeting hydrophobic pocket of alphavirus capsid protein. Antiviral Research, 2017, 146, 102-111.	4.1	47
21	Development and evaluation of one step single tube multiplex RT-PCR for rapid detection and typing of dengue viruses. Virology Journal, 2008, 5, 20.	3.4	45
22	Kinetic characterization of trans-proteolytic activity of Chikungunya virus capsid protease and development of a FRET-based HTS assay. Scientific Reports, 2015, 5, 14753.	3.3	44
23	Impact of transmission cycles and vector competence on global expansion and emergence of arboviruses. Reviews in Medical Virology, 2017, 27, e1941.	8.3	42
24	Emergence of influenza A(H1N1)pdm09 genogroup 6B and drug resistant virus, India, January to May 2015. Eurosurveillance, 2016, 21, 6-11.	7.0	34
25	Development and evaluation of a 1-step duplex reverse transcription polymerase chain reaction for differential diagnosis of chikungunya and dengue infection. Diagnostic Microbiology and Infectious Disease, 2008, 62, 52-57.	1.8	31
26	Vector-delivered artificial miRNA effectively inhibited replication of Chikungunya virus. Antiviral Research, 2016, 134, 42-49.	4.1	30
27	Complete genome sequencing and evolutionary phylogeography analysis of Indian isolates of Dengue virus type 1. Virus Research, 2015, 195, 124-134.	2.2	29
28	Complete genome sequencing and evolutionary analysis of Indian isolates of Dengue virus type 2. Biochemical and Biophysical Research Communications, 2013, 436, 478-485.	2.1	27
29	Characterization of Chikungunya Virus Induced Host Response in a Mouse Model of Viral Myositis. PLoS ONE, 2014, 9, e92813.	2.5	26
30	Production and characterization of recombinant dengue virus type 4 envelope domain III protein. Journal of Biotechnology, 2008, 134, 278-286.	3.8	22
31	Development of nsP2 protease based cell free high throughput screening assay for evaluation of inhibitors against emerging Chikungunya virus. Scientific Reports, 2018, 8, 10831.	3.3	21
32	Production, Characterization, and Application of Monoclonal Antibodies Specific to Recombinant (E2) Structural Protein in Antigen-Capture ELISA for Clinical Diagnosis of Chikungunya Virus. Viral Immunology, 2012, 25, 153-160.	1.3	19
33	Diagnosis of Chikungunya Fever in an Indian Population by an Indirect Enzyme-Linked Immunosorbent Assay Protocol Based on an Antigen Detection Assay: a Prospective Cohort Study. Vaccine Journal, 2010, 17, 291-297.	3.1	18
34	Comparative evaluation of the diagnostic potential of recombinant envelope proteins and native cell culture purified viral antigens of Chikungunya virus. Journal of Medical Virology, 2014, 86, 1169-1175.	5.0	16
35	Working towards dengue as a vaccine-preventable disease: challenges and opportunities. Expert Opinion on Biological Therapy, 2017, 17, 1193-1199.	3.1	15
36	Monoclonal antibodyâ€based antigen capture immunoassay for detection of circulating nonâ€structural protein NS1: Implications for early diagnosis of japanese encephalitis virus infection. Journal of Medical Virology, 2011, 83, 1063-1070.	5.0	14

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37	Development and comparative evaluation of SYBR Green I-based one-step real-time RT-PCR assay for detection and quantification of West Nile virus in human patients. Molecular and Cellular Probes, 2014, 28, 221-227.	2.1	14
38	Cloning, expression and evaluation of diagnostic potential of recombinant capsid protein based IgM ELISA for chikungunya virus. Journal of Virological Methods, 2014, 203, 15-22.	2.1	14
39	Production, purification and characterization of recombinant dengue multiepitope protein. Biotechnology and Applied Biochemistry, 2007, 46, 105.	3.1	13
40	Development and evaluation of NS1 specific monoclonal antibody based antigen capture ELISA and its implications in clinical diagnosis of West Nile virus infection. Journal of Clinical Virology, 2013, 58, 528-534.	3.1	13
41	Development of a Quantitative Competitive Reverse Transcription Polymerase Chain Reaction (QC-RTâ€“PCR) for Detection and Quantitation of Chikungunya Virus. Molecular Biotechnology, 2010, 45, 49-55.	2.4	12
42	Rapid detection of human rotavirus using NSP4 gene specific reverse transcription loop-mediated isothermal amplification assay. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2013, 24, 265-271.	0.7	12
43	Molecular Epidemiology and Complete Genome Characterization of H1N1pdm Virus from India. PLoS ONE, 2013, 8, e56364.	2.5	12
44	Oseltamivirâ€resistant influenza A(H1N1)pdm09 virus associated with high case fatality, India 2015. Journal of Medical Virology, 2018, 90, 836-843.	5.0	12
45	Production of IgM Specific Recombinant Dengue Multiepitope Protein for Early Diagnosis of Dengue Infection. Biotechnology Progress, 2007, 23, 488-493.	2.6	10
46	Cloning and expression of domain III of the envelope gene of Japanese encephalitis virus: Evaluation for early clinical diagnosis by IgM ELISA. Journal of Virological Methods, 2009, 158, 165-170.	2.1	10
47	Molecular epidemiology of novel swine origin influenza virus (S-OIV) from Gwalior, India, 2009. Virology Journal, 2011, 8, 280.	3.4	10
48	Vector derived artificial miRNA mediated inhibition of West Nile virus replication and protein expression. Gene, 2020, 729, 144300.	2.2	9
49	Evaluation of real-time reverse-transcription loop-mediated isothermal amplification assay for clinical diagnosis of West Nile virus in patients. Indian Journal of Medical Research, 2018, 147, 293.	1.0	9
50	Development of magnetic bead based sample extraction coupled polymerase spiral reaction for rapid on-site detection of Chikungunya virus. Scientific Reports, 2020, 10, 11651.	3.3	8
51	Cloning and expression of an envelope gene of West Nile virus and evaluation of the protein for use in an IgM ELISA. Diagnostic Microbiology and Infectious Disease, 2013, 75, 396-401.	1.8	7
52	Molecular and Virological Investigation of a Focal Chikungunya Outbreak in Northern India. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	6
53	Development of a Reverse Transcription Loop - Mediated Isothermal Amplification [RT-LAMP] as a early rapid detection assay for Crimean Congo Hemorrhagic Fever virus. Acta Tropica, 2022, 231, 106435.	2.0	5
54	Rapid and Real-time Detection of Human Viral Infections: Current Trends and Future Perspectives. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2012, 82, 199-207.	1.0	2