Hema Masarapu

List of Publications by Year in descending order

26 papers	923 citations	516710 16 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	1125 citing authors

#	Article	IF	Citations
1	Exogenous application of double-stranded RNA molecules from TMV p126 and CP genes confers resistance against TMV in tobacco. Planta, 2016, 244, 961-969.	3.2	130
2	Structural and Functional Analyses of the Human Toll-like Receptor 3. Journal of Biological Chemistry, 2006, 281, 11144-11151.	3.4	108
3	Physalis Mottle Virus-Like Particles as Nanocarriers for Imaging Reagents and Drugs. Biomacromolecules, 2017, 18, 4141-4153.	5.4	63
4	Heterologous Prime-Boost Enhances the Antitumor Immune Response Elicited by Plant-Virus-Based Cancer Vaccine. Journal of the American Chemical Society, 2019, 141, 6509-6518.	13.7	55
5	Molecular characterization and interviral relationships of a flexuous filamentous virus causing mosaic disease of sugarcane (Saccharum officinarum L.) in India. Archives of Virology, 1999, 144, 479-490.	2.1	54
6	Engineering of Brome mosaic virus for biomedical applications. RSC Advances, 2012, 2, 3670.	3.6	49
7	Development of recombinant coat protein antibody based IC-RT-PCR for detection and discrimination of sugarcane streak mosaic virus isolates from Southern India. Archives of Virology, 2003, 148, 1185-1193.	2.1	44
8	Physalis Mottle Virus-like Nanoparticles for Targeted Cancer Imaging. ACS Applied Materials & Interfaces, 2019, 11, 18213-18223.	8.0	42
9	Taxonomic position of sugarcane streak mosaic virus in the family Potyviridae *. Archives of Virology, 2002, 147, 1997-2007.	2.1	40
10	The coat protein leads the way: an update on basic and applied studies with the Brome mosaic virus coat protein. Molecular Plant Pathology, 2011, 12, 403-412.	4.2	40
11	Tropical Food Legumes. Advances in Virus Research, 2014, 90, 431-505.	2.1	40
12	Template Sequence near the Initiation Nucleotide Can Modulate Brome Mosaic Virus RNA Accumulation in Plant Protoplasts. Journal of Virology, 2004, 78, 1169-1180.	3.4	39
13	Replicase-Binding Sites on Plus- and Minus-Strand Brome Mosaic Virus RNAs and Their Roles in RNA Replication in Plant Cells. Journal of Virology, 2004, 78, 13420-13429.	3.4	34
14	Repair of the tRNA-Like CCA Sequence in a Multipartite Positive-Strand RNA Virus. Journal of Virology, 2005, 79, 1417-1427.	3.4	32
15	Effects of Amino-Acid Substitutions in the Brome mosaic virus Capsid Protein on RNA Encapsidation. Molecular Plant-Microbe Interactions, 2010, 23, 1433-1447.	2.6	29
16	Requirements for Brome Mosaic Virus Subgenomic RNA Synthesis In Vivo and Replicase-Core Promoter Interactions In Vitro. Journal of Virology, 2004, 78, 6091-6101.	3.4	28
17	Topical application of double stranded RNA molecules deriving from Sesbania mosaic virus (SeMV) CP and MP genes protects Sesbania plants against SeMV. European Journal of Plant Pathology, 2019, 155, 1345-1352.	1.7	17
18	Brome Mosaic Virus RNA Syntheses In Vitro and in Barley Protoplasts. Journal of Virology, 2003, 77, 5703-5711.	3.4	16

#	Article	IF	Citations
19	Development of sesbania mosaic virus nanoparticles for imaging. Archives of Virology, 2019, 164, 497-507.	2.1	13
20	First report of Konjac mosaic virus in elephant foot yam (Amorphophallus paeoniifolius) from India. Australasian Plant Disease Notes, 2013, 8, 27-29.	0.7	12
21	Characterization of a potyvirus associated with yellow mosaic disease of jasmine (Jasminum sambac L.) in Andhra Pradesh, India. VirusDisease, 2014, 25, 394-397.	2.0	12
22	Biodistribution and toxicity evaluation of sesbania mosaic virus nanoparticles in mice. Archives of Virology, 2016, 161, 2673-2681.	2.1	11
23	Construction of an infectious cDNA clone of foot-and-mouth disease virus type O1BFS 1860 and its use in the preparation of candidate vaccine. Journal of Biosciences, 2009, 34, 45-58.	1.1	6
24	Detection of infectious bursal disease virus (IBDV) antibodies using chimeric plant virus-like particles. Veterinary Microbiology, 2019, 229, 20-27.	1.9	6
25	Complete genome sequence of a new begomovirus associated with yellow mosaic disease of Hemidesmus indicus in India. Archives of Virology, 2014, 159, 1223-1228.	2.1	2
26	cis-proteolytic activity of a recombinant nuclear inclusion a (NIa) proteinase from Sugarcane Streak Mosaic Virus, a member of the genus Poacevirus in the family Potyviridae. Molecular Genetics, Microbiology and Virology, 2016, 31, 102-108.	0.3	1