Mamta Chawla-Sarkar

List of Publications by Year
in descending order

79 papers	2,015 citations	201385 27 h-index	301761 39 g-index
88 all docs	88 docs citations	88 times ranked	2515 citing authors

#	Article	IF	Citations
1	Rotaviral nonstructural protein 5 (NSP5) promotes proteasomal degradation of up-frameshift protein 1 (UPF1), a principal mediator of nonsense-mediated mRNA decay (NMD) pathway, to facilitate infection. Cellular Signalling, 2022, 89, 110180.	1.7	8
2	Rotavirus activates MLKLâ€mediated host cellular necroptosis concomitantly with apoptosis to facilitate dissemination of viral progeny. Molecular Microbiology, 2022, 117, 818-836.	1.2	7
3	Emergence of a novel SARS-CoV-2 Pango lineage B.1.1.526 in West Bengal, India. Journal of Infection and Public Health, 2022, 15, 42-50.	1.9	3
4	Rotavirus-Mediated Suppression of miRNA-192 Family and miRNA-181a Activates Wnt/Î²-Catenin Signaling Pathway: An In Vitro Study. Viruses, 2022, 14, 558.	1.5	3
5	Epidemiology of major entero-pathogenic viruses and genetic characterization of Group A rotaviruses among children (â‰5 years) with acute gastroenteritis in eastern India, 2018â€“2020. Journal of Applied Microbiology, 2022, 133, 758-783.	1.4	1
6	Treading a HOSTile path: Mapping the dynamic landscape of host cellâ€“rotavirus interactions to explore novel host-directed curative dimensions. Virulence, 2021, 12, 1022-1062.	1.8	10
7	Comprehensive analysis of genomic diversity of SARS-CoV-2 in different geographic regions of India: an endeavour to classify Indian SARS-CoV-2 strains on the basis of co-existing mutations. Archives of Virology, 2021, 166, 801-812.	0.9	55
8	Rotavirus Induces Epithelialâ€“Mesenchymal Transition Markers by Transcriptional Suppression of miRNA-29b. Frontiers in Microbiology, 2021, 12, 631183.	1.5	9
9	Genetic characterization and phylogenetic variations of human adenovirusâ€F strains circulating in eastern India during 2017â€“2020. Journal of Medical Virology, 2021, 93, 6180-6190.	2.5	3
10	Viperin, an IFN-Stimulated Protein, Delays Rotavirus Release by Inhibiting Non-Structural Protein 4 (NSP4)-Induced Intrinsic Apoptosis. Viruses, 2021, 13, 1324.	1.5	11
11	Genetic characterization and evolutionary analysis of norovirus genotypes circulating among children in eastern India during 2018-2019. Archives of Virology, 2021, 166, 2989-2998.	0.9	7
12	In quest of small-molecules as potent non-competitive inhibitors against influenza. Bioorganic Chemistry, 2021, 114, 105139.	2.0	5
13	Rotavirus activates a noncanonical ATMâ€Chk2 branch of DNA damage response during infection to positively regulate viroplasm dynamics. Cellular Microbiology, 2020, 22, e13149.	1.1	12
14	Diversity of rotavirus genotypes circulating in children <â€‰5â€‰years of age hospitalized for acute gastroenteritis in India from 2005 to 2016: analysis of temporal and regional genotype variation. BMC Infectious Diseases, 2020, 20, 740.	1.3	13
15	Epidemiology of rotavirus diarrhea among children less than 5Âyears hospitalized with acute gastroenteritis prior to rotavirus vaccine introduction in India. Vaccine, 2020, 38, 8154-8160.	1.7	15
16	Molecular characterization of Influenza A pandemic H1N1 viruses circulating in eastern India during 2017â€“19: Antigenic diversity in comparison to the vaccine strains. Infection, Genetics and Evolution, 2020, 81, 104270.	1.0	4
17	A decadeâ€long temporal analyses of human groupâ€A rotavirus among children with gastroenteritis: Prevaccination scenario in West Bengal, eastern India. Journal of Medical Virology, 2020, 92, 1334-1342.	2.5	6
18	Development and evaluation of a multiplex conventional reverse-transcription polymerase chain reaction assay for detection of common viral pathogens causing acute gastroenteritis. Diagnostic Microbiology and Infectious Disease, 2020, 97, 115061.	0.8	7

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19	Progressive Rotavirus Infection Downregulates Redox-Sensitive Transcription Factor Nrf2 and Nrf2-Driven Transcription Units. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-48.	1.9	14
20	The Novel Coronavirus Enigma: Phylogeny and Analyses of Coevolving Mutations Among the SARS-CoV-2 Viruses Circulating in India. JMIR Bioinformatics and Biotechnology, 2020, 1, e20735.	0.4	10
21	Biphasic regulation of RNA interference during rotavirus infection by modulation of Argonaute2. Cellular Microbiology, 2019, 21, e13101.	1.1	9
22	Genetic characterization of group-A rotaviruses among children in eastern India during 2014â€“2016: Phylodynamics of co-circulating genotypes. Vaccine, 2019, 37, 6842-6856.	1.7	7
23	Quantitative PCR-based identification of enteric viruses contaminating fresh produce and surface water used for irrigation in Egypt. Environmental Science and Pollution Research, 2019, 26, 21619-21628.	2.7	30
24	Synchronized Orchestration of miR-99b and let-7g Positively Regulates Rotavirus Infection by Modulating Autophagy. Scientific Reports, 2019, 9, 1318.	1.6	19
25	RA-839, a selective agonist of Nrf2/ARE pathway, exerts potent anti-rotaviral efficacy in vitro. Antiviral Research, 2019, 161, 53-62.	1.9	23
26	NanotizedPPARÎ±Overexpression Targeted to Hypertrophied Myocardium Improves Cardiac Function by Attenuating the p53-GSK3Î²-Mediated Mitochondrial Death Pathway. Antioxidants and Redox Signaling, 2019, 30, 713-732.	2.5	17
27	Rotaviral nonstructural protein 4 triggers dynamin-related protein 1-dependent mitochondrial fragmentation during infection. Cellular Microbiology, 2018, 20, e12831.	1.1	20
28	Species A rotaviruses isolated from hospitalized patients over 5Âyears of age in Kolkata, India, in 2012/13. Archives of Virology, 2018, 163, 745-750.	0.9	3
29	Circulating Rotavirus Types and Drug-Resistant Diarrheagenic Escherichia coli Causing Enteric Infection in Under-Five Children in Rural West Bengal, India. Journal of Bioengineering & Biomedical Science, 2018, 08, .	0.2	0
30	Upsurge and spread of G3 rotaviruses in Eastern India (2014â€“2016): Full genome analyses reveals heterogeneity within Wa-like genomic constellation. Infection, Genetics and Evolution, 2018, 63, 158-174.	1.0	14
31	Myocyte-Derived Hsp90 Modulates Collagen Upregulation via Biphasic Activation of STAT-3 in Fibroblasts during Cardiac Hypertrophy. Molecular and Cellular Biology, 2017, 37, .	1.1	75
32	Complex reassortment events of unusual G9P[4] rotavirus strains in India between 2011 and 2013. Infection, Genetics and Evolution, 2017, 54, 417-428.	1.0	31
33	Molecular characterization of enteric adenovirus genotypes 40 and 41 identified in children with acute gastroenteritis in Kolkata, India during 2013â€“2014. Journal of Medical Virology, 2017, 89, 606-614.	2.5	46
34	Tyrosine phosphorylation modulates mitochondrial chaperonin Hsp60 and delays rotavirus NSP4-mediated apoptotic signaling in host cells. Cellular Microbiology, 2017, 19, e12670.	1.1	36
35	Genetic Characterization of Circulating 2015 A(H1N1)pdm09 Influenza Viruses from Eastern India. PLoS ONE, 2016, 11, e0168464.	1.1	21
36	Rotavirus-induced miR-142-5p elicits proviral milieu by targeting non-canonical transforming growth factor beta signalling and apoptosis in cells. Cellular Microbiology, 2016, 18, 733-747.	1.1	38

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37	Complete genotyping of unusual species A rotavirus G12P[11] and G10P[14] isolates and evidence of frequent in vivo reassortment among the rotaviruses detected in children with diarrhea in Kolkata, India, during 2014. Archives of Virology, 2016, 161, 2773-2785.	0.9	13
38	A spatio-temporal cardiomyocyte targeted vector system for efficient delivery of therapeutic payloads to regress cardiac hypertrophy abating bystander effect. Journal of Controlled Release, 2015, 200, 167-178.	4.8	30
39	H7N9 influenza outbreak in China 2013: In silico analyses of conserved segments of the hemagglutinin as a basis for the selection of peptide vaccine targets. Computational Biology and Chemistry, 2015, 59, 8-15.	1.1	16
40	Rotavirus disrupts cytoplasmic P bodies during infection. Virus Research, 2015, 210, 344-354.	1.1	28
41	Hsp90/Cdc37 assembly modulates TGFÎ² receptor-II to act as a profibrotic regulator of TGFÎ² signaling during cardiac hypertrophy. Cellular Signalling, 2015, 27, 2410-2424.	1.7	28
42	Dynamics of Influenza Seasonality at Sub-Regional Levels in India and Implications for Vaccination Timing. PLoS ONE, 2015, 10, e0124122.	1.1	104
43	MAVS Protein Is Attenuated by Rotavirus Nonstructural Protein 1. PLoS ONE, 2014, 9, e92126.	1.1	32
44	Community Based Case-Control Study of Rotavirus Gastroenteritis among Young Children during 2008-2010 Reveals Vast Genetic Diversity and Increased Prevalence of G9 Strains in Kolkata. PLoS ONE, 2014, 9, e112970.	1.1	19
45	Rotavirus infection induces G1 to S phase transition in MA104 cells via Ca+2/Calmodulin pathway. Virology, 2014, 454-455, 270-279.	1.1	19
46	Antiviral activity of baicalin against influenza virus H1N1-pdm09 is due to modulation of NS1-mediated cellular innate immune responses. Journal of Antimicrobial Chemotherapy, 2014, 69, 1298-1310.	1.3	100
47	Hospital based surveillance and genetic characterization of rotavirus strains in children (<5 years) with acute gastroenteritis in Kolkata, India, revealed resurgence of G9 and G2 genotypes during 2011â€“2013. Vaccine, 2014, 32, A20-A28.	1.7	41
48	Full genome analysis and characterization of influenza C virus identified in Eastern India. Infection, Genetics and Evolution, 2013, 16, 419-425.	1.0	11
49	Rotavirus NSP1 inhibits interferon induced non-canonical NFÎºB activation by interacting with TNF receptor associated factor 2. Virology, 2013, 444, 41-44.	1.1	30
50	Spectrum of respiratory viruses circulating in eastern India: Prospective surveillance among patients with influenzaâ€like illness during 2010â€“2011. Journal of Medical Virology, 2013, 85, 1459-1465.	2.5	8
51	First report of human rotavirus G8P[4] gastroenteritis in India: Evidence of ruminantsâ€toâ€human zoonotic transmission. Journal of Medical Virology, 2013, 85, 537-545.	2.5	32
52	Genomic analysis of human rotavirus strains G6P[14] and G11P[25] isolated from Kolkata in 2009 reveals interspecies transmission and complex reassortment events. Infection, Genetics and Evolution, 2013, 14, 15-21.	1.0	39
53	Phosphorylation Drives an Apoptotic Protein to Activate Antiapoptotic Genes. Journal of Biological Chemistry, 2013, 288, 14554-14568.	1.6	14
54	Rotavirus-Encoded Nonstructural Protein 1 Modulates Cellular Apoptotic Machinery by Targeting Tumor Suppressor Protein p53. Journal of Virology, 2013, 87, 6840-6850.	1.5	42

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55	Molecular Mechanism behind Rotavirus NSP1-Mediated PI3 Kinase Activation: Interaction between NSP1 and the p85 Subunit of PI3 Kinase. Journal of Virology, 2013, 87, 2358-2362.	1.5	22
56	Identification of Cellular Calcium Binding Protein Calmodulin as a Regulator of Rotavirus A Infection during Comparative Proteomic Study. PLoS ONE, 2013, 8, e56655.	1.1	31
57	Rotaviral Enterotoxin Nonstructural Protein 4 Targets Mitochondria for Activation of Apoptosis during Infection. Journal of Biological Chemistry, 2012, 287, 35004-35020.	1.6	45
58	The first identification of rare human group A rotavirus strain G3P[10] with severe infantile diarrhea in eastern India. Infection, Genetics and Evolution, 2012, 12, 1933-1937.	1.0	16
59	Identification of common human host genes involved in pathogenesis of different rotavirus strains: An attempt to recognize probable antiviral targets. Virus Research, 2012, 169, 144-153.	1.1	27
60	Full genomic analysis of an influenza A (H1N2) virus identified during 2009 pandemic in Eastern India: evidence of reassortment event between co-circulating A(H1N1)pdm09 and A/Brisbane/10/2007-like H3N2 strains. Virology Journal, 2012, 9, 233.	1.4	15
61	Rotavirus Infection in India: A Major Cause of Childhood Gastroenteritis. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2012, 82, 135-151.	0.4	1
62	Detection of human G10 rotavirus strains with similarity to bovine and bovine-like equine strains from untypable samples. Infection, Genetics and Evolution, 2012, 12, 467-470.	1.0	21
63	Surveillance in eastern India (2007-2009) revealed reassortment event involving ns and PB1-F2 gene segments among co-circulating influenza a subtypes. Virology Journal, 2012, 9, 3.	1.4	3
64	In Silico Study of Rotavirus VP7 Surface Accessible Conserved Regions for Antiviral Drug/Vaccine Design. PLoS ONE, 2012, 7, e40749.	1.1	33
65	Active Participation of Cellular Chaperone Hsp90 in Regulating the Function of Rotavirus Nonstructural Protein 3 (NSP3). Journal of Biological Chemistry, 2011, 286, 20065-20077.	1.6	29
66	Pandemic and seasonal influenza viruses among patients with acute respiratory illness in Kashmir (India). Influenza and Other Respiratory Viruses, 2011, 5, e521-e527.	1.5	21
67	Surveillance and molecular characterization of human influenza B viruses during 2006â€“2010 revealed co-circulation of Yamagata-like and Victoria-like strains in eastern India. Infection, Genetics and Evolution, 2011, 11, 1595-1601.	1.0	21
68	Molecular characterization and comparative analysis of pandemic H1N1/2009 strains with co-circulating seasonal H1N1/2009 strains from eastern India. Archives of Virology, 2011, 156, 207-217.	0.9	17
69	Rotavirus Infection: A Perspective on Epidemiology, Genomic Diversity and Vaccine Strategies. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2011, 22, 11-23.	0.7	11
70	Circulation of a Novel Pattern of Infections by Enteric Adenovirus Serotype 41 among Children below 5 Years of Age in Kolkata, India. Journal of Clinical Microbiology, 2011, 49, 500-505.	1.8	65
71	Genetic characterization of circulating seasonal Influenza A viruses (2005â€“2009) revealed introduction of oseltamivir resistant H1N1 strains during 2009 in eastern India. Infection, Genetics and Evolution, 2010, 10, 1188-1198.	1.0	16
72	Surveillance and molecular characterization of rotavirus strains circulating in Manipur, North-Eastern India: Increasing prevalence of emerging G12 strains. Infection, Genetics and Evolution, 2010, 10, 311-320.	1.0	68

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73	Rotavirus Nonstructural Protein 1 Suppresses Virus-Induced Cellular Apoptosis To Facilitate Viral Growth by Activating the Cell Survival Pathways during Early Stages of Infection. Journal of Virology, 2010, 84, 6834-6845.	1.5	83
74	Identification of P[8]b Subtype in OP354-Like Human Rotavirus Strains by a Modified RT-PCR Method. Japanese Journal of Infectious Diseases, 2010, 63, 208-211.	0.5	15
75	Comparative evaluation of real-time PCR and conventional RT-PCR during a 2 year surveillance for influenza and respiratory syncytial virus among children with acute respiratory infections in Kolkata, India, reveals a distinct seasonality of infection. Journal of Medical Microbiology, 2009, 58, 1616-1622.	0.7	56
76	The molecular chaperone heat shock protein-90 positively regulates rotavirus infection. Virology, 2009, 391, 325-333.	1.1	63
77	Full genomic analysis of a human group A rotavirus G9P[6] strain from Eastern India provides evidence for porcine-to-human interspecies transmission. Archives of Virology, 2009, 154, 733-746.	0.9	51
78	Prevalence of respiratory syncytial virus group B genotype BA-IV strains among children with acute respiratory tract infection in Kolkata, Eastern India. Journal of Clinical Virology, 2009, 45, 358-361.	1.6	30
79	Increase in prevalence of human group A rotavirus G9 strains as an important VP7 genotype among children in eastern India. Journal of Clinical Virology, 2008, 43, 334-339.	1.6	26