

Vineet D Menachery

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

17,210
citations

34105

52
h-index

43889

91
g-index

130
all docs

130
docs citations

130
times ranked

26546
citing authors

#	ARTICLE	IF	CITATIONS
1	Spike mutation D614G alters SARS-CoV-2 fitness. <i>Nature</i> , 2021, 592, 116-121.	27.8	1,380
2	Broad-spectrum antiviral GS-5734 inhibits both epidemic and zoonotic coronaviruses. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	1,279
3	Return of the Coronavirus: 2019-nCoV. <i>Viruses</i> , 2020, 12, 135.	3.3	932
4	A SARS-like cluster of circulating bat coronaviruses shows potential for human emergence. <i>Nature Medicine</i> , 2015, 21, 1508-1513.	30.7	753
5	Evasion of Type I Interferon by SARS-CoV-2. <i>Cell Reports</i> , 2020, 33, 108234.	6.4	742
6	An Infectious cDNA Clone of SARS-CoV-2. <i>Cell Host and Microbe</i> , 2020, 27, 841-848.e3.	11.0	617
7	Loss of furin cleavage site attenuates SARS-CoV-2 pathogenesis. <i>Nature</i> , 2021, 591, 293-299.	27.8	579
8	Neutralization of SARS-CoV-2 spike 69/70 deletion, E484K and N501Y variants by BNT162b2 vaccine-elicited sera. <i>Nature Medicine</i> , 2021, 27, 620-621.	30.7	562
9	Complement Activation Contributes to Severe Acute Respiratory Syndrome Coronavirus Pathogenesis. <i>MBio</i> , 2018, 9, .	4.1	557
10	Severe Acute Respiratory Syndrome Coronavirus 2 from Patient with Coronavirus Disease, United States. <i>Emerging Infectious Diseases</i> , 2020, 26, 1266-1273.	4.3	523
11	Durability of mRNA-1273 vaccine-induced antibodies against SARS-CoV-2 variants. <i>Science</i> , 2021, 373, 1372-1377.	12.6	459
12	Rapid Generation of Neutralizing Antibody Responses in COVID-19 Patients. <i>Cell Reports Medicine</i> , 2020, 1, 100040.	6.5	421
13	SARS-like WIV1-CoV poised for human emergence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3048-3053.	7.1	373
14	The N501Y spike substitution enhances SARS-CoV-2 infection and transmission. <i>Nature</i> , 2022, 602, 294-299.	27.8	364
15	The variant gambit: COVID-19's next move. <i>Cell Host and Microbe</i> , 2021, 29, 508-515.	11.0	305
16	Type I Interferon Susceptibility Distinguishes SARS-CoV-2 from SARS-CoV. <i>Journal of Virology</i> , 2020, 94, .	3.4	303
17	LY-CoV1404 (bebtelovimab) potently neutralizes SARS-CoV-2 variants. <i>Cell Reports</i> , 2022, 39, 110812.	6.4	287
18	A high-throughput neutralizing antibody assay for COVID-19 diagnosis and vaccine evaluation. <i>Nature Communications</i> , 2020, 11, 4059.	12.8	266

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19	Reverse genetics with a full-length infectious cDNA of the Middle East respiratory syndrome coronavirus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16157-16162.	7.1	257
20	Mechanisms of Severe Acute Respiratory Syndrome Coronavirus-Induced Acute Lung Injury. <i>MBio</i> , 2013, 4, .	4.1	251
21	Cell Host Response to Infection with Novel Human Coronavirus EMC Predicts Potential Antivirals and Important Differences with SARS Coronavirus. <i>MBio</i> , 2013, 4, e00165-13.	4.1	250
22	Type I and Type III Interferons Restrict SARS-CoV-2 Infection of Human Airway Epithelial Cultures. <i>Journal of Virology</i> , 2020, 94, .	3.4	250
23	Pathogenic Influenza Viruses and Coronaviruses Utilize Similar and Contrasting Approaches To Control Interferon-Stimulated Gene Responses. <i>MBio</i> , 2014, 5, e01174-14.	4.1	246
24	Delta spike P681R mutation enhances SARS-CoV-2 fitness over Alpha variant. <i>Cell Reports</i> , 2022, 39, 110829.	6.4	214
25	Attenuation and Restoration of Severe Acute Respiratory Syndrome Coronavirus Mutant Lacking 2â€²-O-Methyltransferase Activity. <i>Journal of Virology</i> , 2014, 88, 4251-4264.	3.4	194
26	A nanoluciferase SARS-CoV-2 for rapid neutralization testing and screening of anti-infective drugs for COVID-19. <i>Nature Communications</i> , 2020, 11, 5214.	12.8	179
27	Trypsin Treatment Unlocks Barrier for Zoonotic Bat Coronavirus Infection. <i>Journal of Virology</i> , 2020, 94, .	3.4	162
28	Molecular determinants and mechanism for antibody cocktail preventing SARS-CoV-2 escape. <i>Nature Communications</i> , 2021, 12, 469.	12.8	148
29	MERS-CoV and H5N1 influenza virus antagonize antigen presentation by altering the epigenetic landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1012-E1021.	7.1	142
30	Release of Severe Acute Respiratory Syndrome Coronavirus Nuclear Import Block Enhances Host Transcription in Human Lung Cells. <i>Journal of Virology</i> , 2013, 87, 3885-3902.	3.4	140
31	Genome Wide Identification of SARS-CoV Susceptibility Loci Using the Collaborative Cross. <i>PLoS Genetics</i> , 2015, 11, e1005504.	3.5	137
32	Engineering SARS-CoV-2 using a reverse genetic system. <i>Nature Protocols</i> , 2021, 16, 1761-1784.	12.0	137
33	Nasal delivery of an IgM offers broad protection from SARS-CoV-2 variants. <i>Nature</i> , 2021, 595, 718-723.	27.8	128
34	MERS-CoV Accessory ORFs Play Key Role for Infection and Pathogenesis. <i>MBio</i> , 2017, 8, .	4.1	126
35	Cutting Edge: Nucleocapsid Vaccine Elicits Spike-Independent SARS-CoV-2 Protective Immunity. <i>Journal of Immunology</i> , 2021, 207, 376-379.	0.8	124
36	Defining the risk of SARS-CoV-2 variants on immune protection. <i>Nature</i> , 2022, 605, 640-652.	27.8	117

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37	Quantitative SARS-CoV-2 Serology in Children With Multisystem Inflammatory Syndrome (MIS-C). <i>Pediatrics</i> , 2020, 146, .	2.1	113
38	Development of a Rapid Focus Reduction Neutralization Test Assay for Measuring SARS-CoV-2 Neutralizing Antibodies. <i>Current Protocols in Immunology</i> , 2020, 131, e116.	3.6	111
39	Jumping species—a mechanism for coronavirus persistence and survival. <i>Current Opinion in Virology</i> , 2017, 23, 1-7.	5.4	110
40	Coronavirus non-structural protein 16: Evasion, attenuation, and possible treatments. <i>Virus Research</i> , 2014, 194, 191-199.	2.2	105
41	Evaluation of Serologic and Antigenic Relationships Between Middle Eastern Respiratory Syndrome Coronavirus and Other Coronaviruses to Develop Vaccine Platforms for the Rapid Response to Emerging Coronaviruses. <i>Journal of Infectious Diseases</i> , 2014, 209, 995-1006.	4.0	100
42	Middle East Respiratory Syndrome Coronavirus Nonstructural Protein 16 Is Necessary for Interferon Resistance and Viral Pathogenesis. <i>MSphere</i> , 2017, 2, .	2.9	92
43	The search for a COVID-19 animal model. <i>Science</i> , 2020, 368, 942-943.	12.6	86
44	Nucleocapsid mutations in SARS-CoV-2 augment replication and pathogenesis. <i>PLoS Pathogens</i> , 2022, 18, e1010627.	4.7	85
45	Herpes Simplex Virus Virion Host Shutoff Attenuates Establishment of the Antiviral State. <i>Journal of Virology</i> , 2008, 82, 5527-5535.	3.4	78
46	Single cell resolution of SARS-CoV-2 tropism, antiviral responses, and susceptibility to therapies in primary human airway epithelium. <i>PLoS Pathogens</i> , 2021, 17, e1009292.	4.7	76
47	Allelic Variation in the Toll-Like Receptor Adaptor Protein <i>Ticam2</i> Contributes to SARS-Coronavirus Pathogenesis in Mice. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 1653-1663.	1.8	75
48	A modified vaccinia Ankara vector-based vaccine protects macaques from SARS-CoV-2 infection, immune pathology, and dysfunction in the lungs. <i>Immunity</i> , 2021, 54, 542-556.e9.	14.3	72
49	SARS-CoV-2 RBD trimer protein adjuvanted with Alum-3M-052 protects from SARS-CoV-2 infection and immune pathology in the lung. <i>Nature Communications</i> , 2021, 12, 3587.	12.8	71
50	Middle East Respiratory Syndrome Vaccine Candidates: Cautious Optimism. <i>Viruses</i> , 2019, 11, 74.	3.3	65
51	A comprehensive collection of systems biology data characterizing the host response to viral infection. <i>Scientific Data</i> , 2014, 1, 140033.	5.3	62
52	New Metrics for Evaluating Viral Respiratory Pathogenesis. <i>PLoS ONE</i> , 2015, 10, e0131451.	2.5	60
53	Combination Attenuation Offers Strategy for Live Attenuated Coronavirus Vaccines. <i>Journal of Virology</i> , 2018, 92, .	3.4	58
54	A Mouse Model for <i>Betacoronavirus</i> Subgroup 2c Using a Bat Coronavirus Strain HKU5 Variant. <i>MBio</i> , 2014, 5, e00047-14.	4.1	55

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55	Mouse-adapted SARS-CoV-2 protects animals from lethal SARS-CoV challenge. <i>PLoS Biology</i> , 2021, 19, e3001284.	5.6	54
56	A trans-complementation system for SARS-CoV-2 recapitulates authentic viral replication without virulence. <i>Cell</i> , 2021, 184, 2229-2238.e13.	28.9	51
57	Peptidoglycan-Associated Cyclic Lipopeptide Disrupts Viral Infectivity. <i>Journal of Virology</i> , 2019, 93, .	3.4	47
58	Interferon Regulatory Factor 3-Dependent Pathways Are Critical for Control of Herpes Simplex Virus Type 1 Central Nervous System Infection. <i>Journal of Virology</i> , 2010, 84, 9685-9694.	3.4	42
59	Hypergraph models of biological networks to identify genes critical to pathogenic viral response. <i>BMC Bioinformatics</i> , 2021, 22, 287.	2.6	39
60	TMEM41B is a host factor required for the replication of diverse coronaviruses including SARS-CoV-2. <i>PLoS Pathogens</i> , 2021, 17, e1009599.	4.7	39
61	CCR2 Signaling Restricts SARS-CoV-2 Infection. <i>MBio</i> , 2021, 12, e0274921.	4.1	38
62	Catch Me if You Can: Superspreading of COVID-19. <i>Trends in Microbiology</i> , 2021, 29, 919-929.	7.7	34
63	Development of a Broadly Accessible Venezuelan Equine Encephalitis Virus Replicon Particle Vaccine Platform. <i>Journal of Virology</i> , 2018, 92, .	3.4	33
64	Cytokine systems approach demonstrates differences in innate and pro-inflammatory host responses between genetically distinct MERS-CoV isolates. <i>BMC Genomics</i> , 2014, 15, 1161.	2.8	31
65	Complex Genetic Architecture Underlies Regulation of Influenza-A-Virus-Specific Antibody Responses in the Collaborative Cross. <i>Cell Reports</i> , 2020, 31, 107587.	6.4	31
66	<scp>SARS-CoV-2</scp> neutralization and serology testing of <scp>COVID-19</scp> convalescent plasma from donors with nonsevere disease. <i>Transfusion</i> , 2021, 61, 17-23.	1.6	25
67	Novel Ionophores Active against La Crosse Virus Identified through Rapid Antiviral Screening. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	23
68	Baseline T cell immune phenotypes predict virologic and disease control upon SARS-CoV infection in Collaborative Cross mice. <i>PLoS Pathogens</i> , 2021, 17, e1009287.	4.7	22
69	Tiled-ClickSeq for targeted sequencing of complete coronavirus genomes with simultaneous capture of RNA recombination and minority variants. <i>ELife</i> , 2021, 10, .	6.0	22
70	SARS-Like Coronavirus WIV1-CoV Does Not Replicate in Egyptian Fruit Bats (<i>Rousettus aegyptiacus</i>). <i>Viruses</i> , 2018, 10, 727.	3.3	21
71	Control of Herpes Simplex Virus Replication Is Mediated through an Interferon Regulatory Factor 3-Dependent Pathway. <i>Journal of Virology</i> , 2009, 83, 12399-12406.	3.4	19
72	Topoisomerase III- β is required for efficient replication of positive-sense RNA viruses. <i>Antiviral Research</i> , 2020, 182, 104874.	4.1	17

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73	Bugs in the system. <i>Immunological Reviews</i> , 2013, 255, 256-274.	6.0	15
74	CD-loop Extension in Zika Virus Envelope Protein Key for Stability and Pathogenesis. <i>Journal of Infectious Diseases</i> , 2017, 216, 1196-1204.	4.0	15
75	Epitope Addition and Ablation via Manipulation of a Dengue Virus Serotype 1 Infectious Clone. <i>MSphere</i> , 2017, 2, .	2.9	14
76	Viral metagenomics, protein structure, and reverse genetics: Key strategies for investigating coronaviruses. <i>Virology</i> , 2018, 517, 30-37.	2.4	14
77	Immune predictors of mortality following RNA virus infection. <i>Journal of Infectious Diseases</i> , 2020, 221, 882-889.	4.0	10
78	Corneal Replication Is an Interferon Response-Independent Bottleneck for Virulence of Herpes Simplex Virus 1 in the Absence of Virion Host Shutoff. <i>Journal of Virology</i> , 2012, 86, 7692-7695.	3.4	9
79	CC002/Unc females are mouse models of exercise-induced paradoxical fat response. <i>Physiological Reports</i> , 2018, 6, e13716.	1.7	9
80	Binding and entering: COVID finds a new home. <i>PLoS Pathogens</i> , 2021, 17, e1009857.	4.7	9
81	Evaluation of Cellular and Serological Responses to Acute SARS-CoV-2 Infection Demonstrates the Functional Importance of the Receptor-Binding Domain. <i>Journal of Immunology</i> , 2021, 206, 2605-2613.	0.8	7
82	Analytical characterization of the SARS-CoV-2 EURM-017 reference material. <i>Clinical Biochemistry</i> , 2022, 101, 19-25.	1.9	5
83	Shortening of Zika virus CD-loop reduces neurovirulence while preserving antigenicity. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007212.	3.0	4
84	A new tool to probe SARS-CoV-2 variants. <i>Science</i> , 2021, 374, 1557-1558.	12.6	3
85	Immune Profiling to Determine Early Disease Trajectories Associated With Coronavirus Disease 2019 Mortality Rate: A Substudy from the ACTT-1 Trial. <i>Journal of Infectious Diseases</i> , 2021, 223, 1339-1344.	4.0	2
86	Coagulation and wound repair during COVID-19. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 1076-1081.	0.6	2
87	MERS Vaccine Candidate Offers Promise, but Questions Remain. <i>EBioMedicine</i> , 2015, 2, 1292-1293.	6.1	0
88	Erratum for Vanderheiden et al., "CCR2 Signaling Restricts SARS-CoV-2 Infection". <i>MBio</i> , 2022, , e0025922.	4.1	0