

Peter J Halfmann

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

10,805
citations

125106

35
h-index

87275

74
g-index

94
all docs

94
docs citations

94
times ranked

15493
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Basis for High Virulence of Hong Kong H5N1 Influenza A Viruses. <i>Science</i> , 2001, 293, 1840-1842.	6.0	1,218
2	Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift. <i>Nature</i> , 2022, 602, 664-670.	13.7	917
3	Syrian hamsters as a small animal model for SARS-CoV-2 infection and countermeasure development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16587-16595.	3.3	912
4	Aberrant innate immune response in lethal infection of macaques with the 1918 influenza virus. <i>Nature</i> , 2007, 445, 319-323.	13.7	892
5	SARS-CoV-2 D614G variant exhibits efficient replication ex vivo and transmission in vivo. <i>Science</i> , 2020, 370, 1464-1468.	6.0	808
6	An infectious SARS-CoV-2 B.1.1.529 Omicron virus escapes neutralization by therapeutic monoclonal antibodies. <i>Nature Medicine</i> , 2022, 28, 490-495.	15.2	577
7	SARS-CoV-2 Omicron virus causes attenuated disease in mice and hamsters. <i>Nature</i> , 2022, 603, 687-692.	13.7	475
8	Enhanced virulence of influenza A viruses with the haemagglutinin of the 1918 pandemic virus. <i>Nature</i> , 2004, 431, 703-707.	13.7	434
9	Transmission of SARS-CoV-2 in Domestic Cats. <i>New England Journal of Medicine</i> , 2020, 383, 592-594.	13.9	430
10	Ebolavirus Is Internalized into Host Cells via Macropinocytosis in a Viral Glycoprotein-Dependent Manner. <i>PLoS Pathogens</i> , 2010, 6, e1001121.	2.1	366
11	Structural Rearrangement of Ebola Virus VP40 Begets Multiple Functions in the Virus Life Cycle. <i>Cell</i> , 2013, 154, 763-774.	13.5	201
12	A Role for Fc Function in Therapeutic Monoclonal Antibody-Mediated Protection against Ebola Virus. <i>Cell Host and Microbe</i> , 2018, 24, 221-233.e5.	5.1	182
13	Characterization and antiviral susceptibility of SARS-CoV-2 Omicron BA.2. <i>Nature</i> , 2022, 607, 119-127.	13.7	174
14	Longitudinal Analysis of the Human B Cell Response to Ebola Virus Infection. <i>Cell</i> , 2019, 177, 1566-1582.e17.	13.5	153
15	The Synthetic Antiviral Drug Arbidol Inhibits Globally Prevalent Pathogenic Viruses. <i>Journal of Virology</i> , 2016, 90, 3086-3092.	1.5	133
16	The spatio-temporal distribution dynamics of Ebola virus proteins and RNA in infected cells. <i>Scientific Reports</i> , 2013, 3, 1206.	1.6	123
17	Defining the risk of SARS-CoV-2 variants on immune protection. <i>Nature</i> , 2022, 605, 640-652.	13.7	117
18	Generation of biologically contained Ebola viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1129-1133.	3.3	113

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19	A shared structural solution for neutralizing ebolaviruses. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1424-1427.	3.6	113
20	Profiling B cell immunodominance after SARS-CoV-2 infection reveals antibody evolution to non-neutralizing viral targets. <i>Immunity</i> , 2021, 54, 1290-1303.e7.	6.6	101
21	Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift. <i>Nature</i> , 0, , .	13.7	101
22	Resilience of S309 and AZD7442 monoclonal antibody treatments against infection by SARS-CoV-2 Omicron lineage strains. <i>Nature Communications</i> , 2022, 13, .	5.8	93
23	Identification of mammalian-adapting mutations in the polymerase complex of an avian H5N1 influenza virus. <i>Nature Communications</i> , 2015, 6, 7491.	5.8	91
24	Characterization of a Human H5N1 Influenza A Virus Isolated in 2003. <i>Journal of Virology</i> , 2005, 79, 9926-9932.	1.5	90
25	Transmission of SARS-CoV-2 in domestic cats imposes a narrow bottleneck. <i>PLoS Pathogens</i> , 2021, 17, e1009373.	2.1	84
26	The Cytoprotective Enzyme Heme Oxygenase-1 Suppresses Ebola Virus Replication. <i>Journal of Virology</i> , 2013, 87, 13795-13802.	1.5	81
27	An Ebola whole-virus vaccine is protective in nonhuman primates. <i>Science</i> , 2015, 348, 439-442.	6.0	81
28	SARS-CoV-2 Infection Severity Is Linked to Superior Humoral Immunity against the Spike. <i>MBio</i> , 2021, 12, .	1.8	81
29	Replication-Deficient Ebolavirus as a Vaccine Candidate. <i>Journal of Virology</i> , 2009, 83, 3810-3815.	1.5	73
30	Novel residues in avian influenza virus PB2 protein affect virulence in mammalian hosts. <i>Nature Communications</i> , 2014, 5, 5021.	5.8	73
31	Characterization of a new SARS-CoV-2 variant that emerged in Brazil. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	63
32	Plasma lipidome reveals critical illness and recovery from human Ebola virus disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3919-3928.	3.3	62
33	The landscape of antibody binding in SARS-CoV-2 infection. <i>PLoS Biology</i> , 2021, 19, e3001265.	2.6	58
34	Antibody-Dependent Enhancement of SARS-CoV-2 Infection Is Mediated by the IgG Receptors Fcγ3RIIA and Fcγ3RIIIA but Does Not Contribute to Aberrant Cytokine Production by Macrophages. <i>MBio</i> , 2021, 12, e0198721.	1.8	57
35	Structure of an Antibody in Complex with Its Mucin Domain Linear Epitope That Is Protective against Ebola Virus. <i>Journal of Virology</i> , 2012, 86, 2809-2816.	1.5	46
36	MPLEx: a method for simultaneous pathogen inactivation and extraction of samples for multi-omics profiling. <i>Analyst</i> , The, 2017, 142, 442-448.	1.7	43

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37	The Ebola virus VP24 Protein Blocks Phosphorylation of p38 Mitogen-Activated Protein Kinase. <i>Journal of Infectious Diseases</i> , 2011, 204, S953-S956.	1.9	40
38	Revealing fine-scale spatiotemporal differences in SARS-CoV-2 introduction and spread. <i>Nature Communications</i> , 2020, 11, 5558.	5.8	39
39	Hypergraph models of biological networks to identify genes critical to pathogenic viral response. <i>BMC Bioinformatics</i> , 2021, 22, 287.	1.2	39
40	Nasally delivered interferon- β protects mice against infection by SARS-CoV-2 variants including Omicron. <i>Cell Reports</i> , 2022, 39, 110799.	2.9	39
41	Identification of interferon-stimulated genes that attenuate Ebola virus infection. <i>Nature Communications</i> , 2020, 11, 2953.	5.8	37
42	Mutations in the PA Protein of Avian H5N1 Influenza Viruses Affect Polymerase Activity and Mouse Virulence. <i>Journal of Virology</i> , 2018, 92, .	1.5	36
43	Multivalent nanoparticle-based vaccines protect hamsters against SARS-CoV-2 after a single immunization. <i>Communications Biology</i> , 2021, 4, 597.	2.0	35
44	Suppressor of Cytokine Signaling 3 Is an Inducible Host Factor That Regulates Virus Egress during Ebola Virus Infection. <i>Journal of Virology</i> , 2015, 89, 10399-10406.	1.5	34
45	A Fc engineering approach to define functional humoral correlates of immunity against Ebola virus. <i>Immunity</i> , 2021, 54, 815-828.e5.	6.6	34
46	Crystal Structure of Marburg Virus VP40 Reveals a Broad, Basic Patch for Matrix Assembly and a Requirement of the N-Terminal Domain for Immunosuppression. <i>Journal of Virology</i> , 2016, 90, 1839-1848.	1.5	33
47	Durability of immune responses to the BNT162b2 mRNA vaccine. <i>Med</i> , 2022, 3, 25-27.	2.2	33
48	DNA Topoisomerase 1 Facilitates the Transcription and Replication of the Ebola Virus Genome. <i>Journal of Virology</i> , 2013, 87, 8862-8869.	1.5	29
49	Highly Efficient SARS-CoV-2 Infection of Human Cardiomyocytes: Spike Protein-Mediated Cell Fusion and Its Inhibition. <i>Journal of Virology</i> , 2021, 95, e0136821.	1.5	29
50	SARS-CoV-2 Interference of Influenza Virus Replication in Syrian Hamsters. <i>Journal of Infectious Diseases</i> , 2022, 225, 282-286.	1.9	25
51	Cross-Neutralization of Emerging SARS-CoV-2 Variants of Concern by Antibodies Targeting Distinct Epitopes on Spike. <i>MBio</i> , 2021, 12, e0297521.	1.8	24
52	Protective Immunity and Persistent Lung Sequelae in Domestic Cats after SARS-CoV-2 Infection. <i>Emerging Infectious Diseases</i> , 2021, 27, 660-663.	2.0	23
53	Specific COVID-19 Symptoms Correlate with High Antibody Levels against SARS-CoV-2. <i>ImmunoHorizons</i> , 2021, 5, 466-476.	0.8	23
54	The Induction of IL-1 β Secretion Through the NLRP3 Inflammasome During Ebola Virus Infection. <i>Journal of Infectious Diseases</i> , 2018, 218, S504-S507.	1.9	22

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55	Characterization of the SARS-CoV-2 B.1.621 (Mu) variant. <i>Science Translational Medicine</i> , 2022, 14, eabm4908.	5.8	21
56	Potent neutralization of SARS-CoV-2 including variants of concern by vaccines presenting the receptor-binding domain multivalently from nanoscaffolds. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10253.	3.9	19
57	Loss of Interleukin 1 Receptor Antagonist Enhances Susceptibility to Ebola Virus Infection. <i>Journal of Infectious Diseases</i> , 2015, 212, S329-S335.	1.9	18
58	HER2-mediated enhancement of Ebola virus entry. <i>PLoS Pathogens</i> , 2020, 16, e1008900.	2.1	17
59	Co-administration of Favipiravir and the Remdesivir Metabolite GS-441524 Effectively Reduces SARS-CoV-2 Replication in the Lungs of the Syrian Hamster Model. <i>MBio</i> , 2022, 13, e0304421.	1.8	17
60	Early Human B Cell Response to Ebola Virus in Four U.S. Survivors of Infection. <i>Journal of Virology</i> , 2019, 93, .	1.5	15
61	Ambient Temperature Stable, Scalable COVID-19 Polymer Particle Vaccines Induce Protective Immunity. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102089.	3.9	14
62	Efficacy of vaccination and previous infection against the Omicron BA.1 variant in Syrian hamsters. <i>Cell Reports</i> , 2022, 39, 110688.	2.9	14
63	Ebola Virus Stability Under Hospital and Environmental Conditions. <i>Journal of Infectious Diseases</i> , 2016, 214, S142-S144.	1.9	13
64	Serological analysis of Ebola virus survivors and close contacts in Sierra Leone: A cross-sectional study. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007654.	1.3	12
65	Novel modulators of p53-signaling encoded by unknown genes of emerging viruses. <i>PLoS Pathogens</i> , 2021, 17, e1009033.	2.1	12
66	Long-term, infection-acquired immunity against the SARS-CoV-2 Delta variant in a hamster model. <i>Cell Reports</i> , 2022, 38, 110394.	2.9	9
67	Comparative Sensitivity of Rapid Antigen Tests for the Delta Variant (B.1.617.2) of SARS-CoV-2. <i>Viruses</i> , 2021, 13, 2183.	1.5	8
68	mRNA-1273 and Ad26.COVS vaccines protect against the B.1.621 variant of SARS-CoV-2. <i>Med</i> , 2022, 3, 309-324.e6.	2.2	6
69	Pseudoparticle Neutralization Assay for Detecting Ebola- Neutralizing Antibodies in Biosafety Level 2 Settings. <i>Clinical Chemistry</i> , 2015, 61, 885-886.	1.5	5
70	Isolation of Highly Pathogenic H5N1 Influenza Viruses in 2009–2013 in Vietnam. <i>Frontiers in Microbiology</i> , 2019, 10, 1411.	1.5	5
71	Formulation and production of a blood-free and chemically defined virus production media for VERO cells. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3277-3285.	1.7	3
72	Repurposing Fragile X Drugs to Inhibit SARS-CoV-2 Viral Reproduction. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 856.	1.8	2

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73	Mediator complex subunit 12 is a gatekeeper of SARS-CoV-2 infection in breast cancer cells. <i>Genes and Diseases</i> , 2022, 9, 5-8.	1.5	2
74	A Novel Method to Reduce ELISA Serial Dilution Assay Workload Applied to SARS-CoV-2 and Seasonal HCoVs. <i>Viruses</i> , 2022, 14, 562.	1.5	2
75	Ebola Conquers West Africa – More to Come?. <i>EBioMedicine</i> , 2014, 1, 2-3.	2.7	1
76	Genetic incompatibility among influenza A viruses. <i>International Congress Series</i> , 2001, 1219, 1019-1021.	0.2	0