

# Gabriele Neumann

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80 papers	5,513 citations	33 h-index	74 g-index
86 ext. papers	6,469 ext. citations	10.8 avg, IF	5.38 L-index

#	Paper	IF	Citations
80	Experimental adaptation of an influenza H5 HA confers respiratory droplet transmission to a reassortant H5 HA/H1N1 virus in ferrets. <i>Nature</i> , <b>2012</b> , 486, 420-8	50.4	1054
79	In vitro and in vivo characterization of new swine-origin H1N1 influenza viruses. <i>Nature</i> , <b>2009</b> , 460, 1021-5	50.4	884
78	Characterization of H7N9 influenza A viruses isolated from humans. <i>Nature</i> , <b>2013</b> , 501, 551-5	50.4	321
77	At the centre: influenza A virus ribonucleoproteins. <i>Nature Reviews Microbiology</i> , <b>2015</b> , 13, 28-41	22.2	241
76	The potential for respiratory droplet-transmissible A/H5N1 influenza virus to evolve in a mammalian host. <i>Science</i> , <b>2012</b> , 336, 1541-7	33.3	231
75	Pathogenic influenza viruses and coronaviruses utilize similar and contrasting approaches to control interferon-stimulated gene responses. <i>MBio</i> , <b>2014</b> , 5, e01174-14	7.8	199
74	Influenza virus-host interactome screen as a platform for antiviral drug development. <i>Cell Host and Microbe</i> , <b>2014</b> , 16, 795-805	23.4	188
73	Reverse genetics demonstrates that proteolytic processing of the Ebola virus glycoprotein is not essential for replication in cell culture. <i>Journal of Virology</i> , <b>2002</b> , 76, 406-10	6.6	171
72	H5N1 influenza viruses: outbreaks and biological properties. <i>Cell Research</i> , <b>2010</b> , 20, 51-61	24.7	145
71	Influenza A virus isolation, culture and identification. <i>Nature Protocols</i> , <b>2014</b> , 9, 2663-81	18.8	125
70	An improved reverse genetics system for influenza A virus generation and its implications for vaccine production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 16825-9	11.5	117
69	A decade after the generation of a negative-sense RNA virus from cloned cDNA - what have we learned?. <i>Journal of General Virology</i> , <b>2002</b> , 83, 2635-2662	4.9	116
68	Transmission of influenza A viruses. <i>Virology</i> , <b>2015</b> , 479-480, 234-46	3.6	111
67	A Highly Pathogenic Avian H7N9 Influenza Virus Isolated from A Human Is Lethal in Some Ferrets Infected via Respiratory Droplets. <i>Cell Host and Microbe</i> , <b>2017</b> , 22, 615-626.e8	23.4	101
66	Pandemic potential of avian influenza A (H7N9) viruses. <i>Trends in Microbiology</i> , <b>2014</b> , 22, 623-31	12.4	77
65	Multi-spectral fluorescent reporter influenza viruses (Color-flu) as powerful tools for in vivo studies. <i>Nature Communications</i> , <b>2015</b> , 6, 6600	17.4	75
64	The first influenza pandemic of the new millennium. <i>Influenza and Other Respiratory Viruses</i> , <b>2011</b> , 5, 157-66	5.6	72

63	Ebola virus VP40 late domains are not essential for viral replication in cell culture. <i>Journal of Virology</i> , <b>2005</b> , 79, 10300-7	6.6	68
62	Selection on haemagglutinin imposes a bottleneck during mammalian transmission of reassortant H5N1 influenza viruses. <i>Nature Communications</i> , <b>2013</b> , 4, 2636	17.4	64
61	Vaccines. An Ebola whole-virus vaccine is protective in nonhuman primates. <i>Science</i> , <b>2015</b> , 348, 439-42	33.3	61
60	Identification of mammalian-adapting mutations in the polymerase complex of an avian H5N1 influenza virus. <i>Nature Communications</i> , <b>2015</b> , 6, 7491	17.4	58
59	Development of high-yield influenza A virus vaccine viruses. <i>Nature Communications</i> , <b>2015</b> , 6, 8148	17.4	57
58	Circulating avian influenza viruses closely related to the 1918 virus have pandemic potential. <i>Cell Host and Microbe</i> , <b>2014</b> , 15, 692-705	23.4	56
57	Replication-incompetent influenza A viruses that stably express a foreign gene. <i>Journal of General Virology</i> , <b>2011</b> , 92, 2879-2888	4.9	52
56	Proteolytic processing of the Ebola virus glycoprotein is not critical for Ebola virus replication in nonhuman primates. <i>Journal of Virology</i> , <b>2007</b> , 81, 2995-8	6.6	52
55	Novel residues in avian influenza virus PB2 protein affect virulence in mammalian hosts. <i>Nature Communications</i> , <b>2014</b> , 5, 5021	17.4	48
54	Selection of antigenically advanced variants of seasonal influenza viruses. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16058	26.6	46
53	The effect of inhibition of PP1 and TNF $\beta$ signaling on pathogenesis of SARS coronavirus. <i>BMC Systems Biology</i> , <b>2016</b> , 10, 93	3.5	45
52	Antiviral susceptibility of influenza viruses isolated from patients pre- and post-administration of favipiravir. <i>Antiviral Research</i> , <b>2016</b> , 132, 170-7	10.8	43
51	Amino acids substitutions in the PB2 protein of H7N9 influenza A viruses are important for virulence in mammalian hosts. <i>Scientific Reports</i> , <b>2015</b> , 5, 8039	4.9	36
50	A comprehensive collection of systems biology data characterizing the host response to viral infection. <i>Scientific Data</i> , <b>2014</b> , 1, 140033	8.2	35
49	Identification of amino acid changes that may have been critical for the genesis of A(H7N9) influenza viruses. <i>Journal of Virology</i> , <b>2014</b> , 88, 4877-96	6.6	33
48	Development and deployment of COVID-19 vaccines for those most vulnerable. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	32
47	Combination Therapy With Neuraminidase and Polymerase Inhibitors in Nude Mice Infected With Influenza Virus. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 887-896	7	24
46	In vivo imaging of the pathophysiological changes and neutrophil dynamics in influenza virus-infected mouse lungs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E6622-E6629	11.5	24

45	Characterization of Ebolavirus regulatory genomic regions. <i>Virus Research</i> , <b>2009</b> , 144, 1-7	6.4	23
44	M2SR, a novel live single replication influenza virus vaccine, provides effective heterosubtypic protection in mice. <i>Vaccine</i> , <b>2016</b> , 34, 5090-5098	4.1	23
43	Predicting the Next Influenza Pandemics. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 219, S14-S20	7	21
42	Identification of Stabilizing Mutations in an H5 Hemagglutinin Influenza Virus Protein. <i>Journal of Virology</i> , <b>2015</b> , 90, 2981-92	6.6	20
41	H5N1 influenza virulence, pathogenicity and transmissibility: what do we know?. <i>Future Virology</i> , <b>2015</b> , 10, 971-980	2.4	18
40	Amino acid changes in the influenza A virus PA protein that attenuate avian H5N1 viruses in mammals. <i>Journal of Virology</i> , <b>2014</b> , 88, 13737-46	6.6	18
39	M2SR, a novel live influenza vaccine, protects mice and ferrets against highly pathogenic avian influenza. <i>Vaccine</i> , <b>2017</b> , 35, 4177-4183	4.1	18
38	Molecular Pathogenesis of H5N1 Influenza Virus Infections. <i>Antiviral Therapy</i> , <b>2007</b> , 12, 617-626	1.6	18
37	Novel influenza vaccine M2SR protects against drifted H1N1 and H3N2 influenza virus challenge in ferrets with pre-existing immunity. <i>Vaccine</i> , <b>2018</b> , 36, 5097-5103	4.1	17
36	Molecular Determinants of Virulence and Stability of a Reporter-Expressing H5N1 Influenza A Virus. <i>Journal of Virology</i> , <b>2015</b> , 89, 11337-46	6.6	15
35	Reverse genetics of influenza viruses. <i>Methods in Molecular Biology</i> , <b>2012</b> , 865, 193-206	1.4	15
34	Characterizing Emerging Canine H3 Influenza Viruses. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008409	7.6	15
33	Emergence of Oseltamivir-Resistant H7N9 Influenza Viruses in Immunosuppressed Cynomolgus Macaques. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 216, 582-593	7	13
32	Identification of interferon-stimulated genes that attenuate Ebola virus infection. <i>Nature Communications</i> , <b>2020</b> , 11, 2953	17.4	11
31	Loss of Interleukin 1 Receptor Antagonist Enhances Susceptibility to Ebola Virus Infection. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 212 Suppl 2, S329-35	7	11
30	Development of high-yield influenza B virus vaccine viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E8296-E8305	11.5	11
29	Mutations in the PA Protein of Avian H5N1 Influenza Viruses Affect Polymerase Activity and Mouse Virulence. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	11
28	Molecular pathogenesis of H5N1 influenza virus infections. <i>Antiviral Therapy</i> , <b>2007</b> , 12, 617-26	1.6	11

27	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , <b>2021</b> , 166, 3513-3566	2.6	10
26	Ebola Virus Stability Under Hospital and Environmental Conditions. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 214, S142-S144	7	9
25	Serological analysis of Ebola virus survivors and close contacts in Sierra Leone: A cross-sectional study. <i>PLoS Neglected Tropical Diseases</i> , <b>2019</b> , 13, e0007654	4.8	9
24	Mutations in the Neuraminidase-Like Protein of Bat Influenza H18N11 Virus Enhance Virus Replication in Mammalian Cells, Mice, and Ferrets. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.6	7
23	Novel modulators of p53-signaling encoded by unknown genes of emerging viruses. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009033	7.6	7
22	A Novel Vaccine Strategy to Overcome Poor Immunogenicity of Avian Influenza Vaccines through Mobilization of Memory CD4 T Cells Established by Seasonal Influenza. <i>Journal of Immunology</i> , <b>2019</b> , 203, 1502-1508	5.3	6
21	Synthesis of influenza virus: new impetus from an old enzyme, RNA polymerase I. <i>Virus Research</i> , <b>2002</b> , 82, 153-8	6.4	6
20	Amino acid changes in PB2 and HA affect the growth of a recombinant influenza virus expressing a fluorescent reporter protein. <i>Scientific Reports</i> , <b>2016</b> , 6, 19933	4.9	6
19	The Cellular DExD/H-Box RNA Helicase UAP56 Co-localizes With the Influenza A Virus NS1 Protein. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2192	5.7	5
18	Influenza Reverse Genetics-Historical Perspective. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2021</b> , 11,	5.4	4
17	Plasticity of the Influenza Virus H5 HA Protein. <i>MBio</i> , <b>2021</b> , 12,	7.8	4
16	SARS-CoV-2 Interference of Influenza Virus Replication in Syrian Hamsters. <i>Journal of Infectious Diseases</i> , <b>2021</b> ,	7	4
15	Isolation of Highly Pathogenic H5N1 Influenza Viruses in 2009-2013 in Vietnam. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1411	5.7	3
14	Orthomyxoviruses: Influenza		3
13	Single-replication BM2SR vaccine provides sterilizing immunity and cross-lineage influenza B virus protection in mice. <i>Vaccine</i> , <b>2019</b> , 37, 4533-4542	4.1	2
12	Optimization of animal models to better predict influenza vaccine efficacy (VA). <i>Vaccine</i> , <b>2020</b> , 38, 2749-2750	4.1	1
11	Ebola Conquers West Africa - More to Come?. <i>EBioMedicine</i> , <b>2014</b> , 1, 2-3	8.8	1
10	Selection of Antigenically Advanced Variants of Influenza Viruses. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1836, 461-486	1.4	1

9 The genome and its manipulation: Recovery of the 1918 virus and vaccine virus generation **2013**, 146-156

8 Influenza Pandemics and Control. *Novartis Foundation Symposium*, 45-55

7 H3N2 Influenza Viruses with 12- or 16-Amino Acid Deletions in the Receptor-Binding Region of Their Hemagglutinin Protein. *MBio*, **2021**, e0151221 7.8

6 Characterizing Emerging Canine H3 Influenza Viruses **2020**, 16, e1008409

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