Hans-Heinrich Hoffmann

List of Publications by Year
in descending order

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37 papers	11,389 citations	201674 27 h-index	345221 36 g-index
47 all docs	47 docs citations	47 times ranked	21404 citing authors

#	Article	IF	Citations
1	Autoantibodies against type I IFNs in patients with life-threatening COVID-19. Science, 2020, 370, .	12.6	1,983
2	Inborn errors of type I IFN immunity in patients with life-threatening COVID-19. Science, 2020, 370, .	12.6	1,749
3	Convergent antibody responses to SARS-CoV-2 in convalescent individuals. Nature, 2020, 584, 437-442.	27.8	1,742
4	Escape from neutralizing antibodies by SARS-CoV-2 spike protein variants. ELife, 2020, 9, .	6.0	1,239
5	Measuring SARS-CoV-2 neutralizing antibody activity using pseudotyped and chimeric viruses. Journal of Experimental Medicine, 2020, 217, .	8.5	503
6	Enhanced SARS-CoV-2 neutralization by dimeric IgA. Science Translational Medicine, 2021, 13, .	12.4	379
7	Human ADAR1 Prevents Endogenous RNA from Triggering Translational Shutdown. Cell, 2018, 172, 811-824.e14.	28.9	375
8	Autoantibodies neutralizing type I IFNs are present in ~4% of uninfected individuals over 70 years old and account for ~20% of COVID-19 deaths. Science Immunology, 2021, 6, .	11.9	357
9	Interferons and viruses: an evolutionary arms race of molecular interactions. Trends in Immunology, 2015, 36, 124-138.	6.8	353
10	Genome-Scale Identification of SARS-CoV-2 and Pan-coronavirus Host Factor Networks. Cell, 2021, 184, 120-132.e14.	28.9	328
11	Intrinsic Immunity Shapes Viral Resistance of Stem Cells. Cell, 2018, 172, 423-438.e25.	28.9	289
12	LY6E impairs coronavirus fusion and confers immune control of viral disease. Nature Microbiology, 2020, 5, 1330-1339.	13.3	170
13	IFITM3 directly engages and shuttles incoming virus particles to lysosomes. Nature Chemical Biology, 2019, 15, 259-268.	8.0	169
14	A Serpin Shapes the Extracellular Environment to Prevent Influenza A Virus Maturation. Cell, 2015, 160, 631-643.	28.9	137
15	Auto-antibodies to type I IFNs can underlie adverse reactions to yellow fever live attenuated vaccine. Journal of Experimental Medicine, 2021, 218, .	8.5	130
16	Fc-engineered antibody therapeutics with improved anti-SARS-CoV-2 efficacy. Nature, 2021, 599, 465-470.	27.8	129
17	Inherited IFNAR1 deficiency in otherwise healthy patients with adverse reaction to measles and yellow fever live vaccines. Journal of Experimental Medicine, 2019, 216, 2057-2070.	8.5	127
18	TMEM41B Is a Pan-flavivirus Host Factor. Cell, 2021, 184, 133-148.e20.	28.9	127

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19	Functional interrogation of a SARS-CoV-2 host protein interactome identifies unique and shared coronavirus host factors. Cell Host and Microbe, 2021, 29, 267-280.e5.	11.0	127
20	The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200413119.	7.1	110
21	Multifaceted Activities of Type I Interferon Are Revealed by a Receptor Antagonist. Science Signaling, 2014, 7, ra50.	3.6	94
22	The IFN-Î»-IFN-Î»R1-IL-10RÎ² Complex Reveals Structural Features Underlying Type III IFN Functional Plasticity. Immunity, 2017, 46, 379-392.	14.3	89
23	Analysis of memory B cells identifies conserved neutralizing epitopes on the N-terminal domain of variant SARS-Cov-2 spike proteins. Immunity, 2022, 55, 998-1012.e8.	14.3	86
24	ATP-Dependent Effector-like Functions of RIG-I-like Receptors. Molecular Cell, 2015, 58, 541-548.	9.7	62
25	A robust cell culture system supporting the complete life cycle of hepatitis B virus. Scientific Reports, 2017, 7, 16616.	3.3	61
26	Diverse Viruses Require the Calcium Transporter SPCA1 for Maturation and Spread. Cell Host and Microbe, 2017, 22, 460-470.e5.	11.0	52
27	Replication and single-cycle delivery of SARS-CoV-2 replicons. Science, 2021, 374, 1099-1106.	12.6	49
28	Metabolic coessentiality mapping identifies C12orf49 as a regulator of SREBP processing and cholesterol metabolism. Nature Metabolism, 2020, 2, 487-498.	11.9	32
29	RTP4 inhibits IFN-I response and enhances experimental cerebral malaria and neuropathology. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19465-19474.	7.1	31
30	NS5A Promotes Constitutive Degradation of IP3R3 to Counteract Apoptosis Induced by Hepatitis C Virus. Cell Reports, 2018, 25, 833-840.e3.	6.4	20
31	Viral genome imaging of hepatitis C virus to probe heterogeneous viral infection and responses to antiviral therapies. Virology, 2016, 494, 236-247.	2.4	17
32	Interferon regulatory factor 2 protects mice from lethal viral neuroinvasion. Journal of Experimental Medicine, 2016, 213, 2931-2947.	8.5	12
33	Investigating the functional link between TMEM165 and SPCA1. Biochemical Journal, 2019, 476, 3281-3293.	3.7	12
34	A CRISPR Activation Screen Identifies an Atypical Rho GTPase That Enhances Zika Viral Entry. Viruses, 2021, 13, 2113.	3.3	10
35	Flavivirusâ€“host interactions: an expanding network of proviral and antiviral factors. Current Opinion in Virology, 2022, 52, 71-77.	5.4	9
36	E3 ubiquitin ligase Mindbomb 1 facilitates nuclear delivery of adenovirus genomes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8

#	Article	IF	Citations
37	Self-Organizing, Symmetry Breaking, Isogenic Human Lung Buds on Microchips Identify Alveolar Stem Cells as Novel Targets of SARS-CoV-2. SSRN Electronic Journal, 0, , .	0.4	0