Jakob Trimpert

List of Publications by Year
in descending order

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35	1,999	331259	395343
papers	citations	21 h-index	33 g-index

47	47	47	3442
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Therapeutic Non-self-reactive SARS-CoV-2 Antibody Protects from Lung Pathology in a COVID-19 Hamster Model. Cell, 2020, 183, 1058-1069.e19.	13.5	305
2	Virus-induced senescence is a driver and therapeutic target in COVID-19. Nature, 2021, 599, 283-289.	13.7	195
3	Age-Dependent Progression of SARS-CoV-2 Infection in Syrian Hamsters. Viruses, 2020, 12, 779.	1.5	192
4	SARS-CoV-2-mediated dysregulation of metabolism and autophagy uncovers host-targeting antivirals. Nature Communications, 2021, 12, 3818.	5.8	172
5	The Roborovski Dwarf Hamster Is A Highly Susceptible Model for a Rapid and Fatal Course of SARS-CoV-2 Infection. Cell Reports, 2020, 33, 108488.	2.9	76
6	A SARS-CoV-2 neutralizing antibody selected from COVID-19 patients binds to the ACE2-RBD interface and is tolerant to most known RBD mutations. Cell Reports, 2021, 36, 109433.	2.9	75
7	Temporal omics analysis in Syrian hamsters unravel cellular effector responses to moderate COVID-19. Nature Communications, 2021, 12, 4869.	5.8	68
8	SARSâ€CoVâ€2 infection of Chinese hamsters (Cricetulus griseus) reproduces COVIDâ€19 pneumonia in a wellâ€established small animal model. Transboundary and Emerging Diseases, 2021, 68, 1075-1079.	1.3	64
9	Standardization of Reporting Criteria for Lung Pathology in SARS-CoV-2â€“infected Hamsters: What Matters?. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 856-859.	1.4	62
10	Epithelial response to IFNâ€λ promotes SARSâ€CoVâ€2 infection. EMBO Molecular Medicine, 2021, 13, e13191.	3.3	62
11	ADAM10 and ADAM17 promote SARSâ€CoVâ€2 cell entry and spike proteinâ€mediated lung cell fusion. EMBO Reports, 2022, 23, e54305.	2.0	57
12	Mechanism of Virus Attenuation by Codon Pair Deoptimization. Cell Reports, 2020, 31, 107586.	2.9	53
13	In vitro efficacy of artemisinin-based treatments against SARS-CoV-2. Scientific Reports, 2021, 11, 14571.	1.6	53
14	Polysulfates Block SARSâ€CoVâ€2 Uptake through Electrostatic Interactions**. Angewandte Chemie - International Edition, 2021, 60, 15870-15878.	7.2	49
15	Hamster models of COVID-19 pneumonia reviewed: How human can they be?. Veterinary Pathology, 2022, 59, 528-545.	0.8	49
16	Development of safe and highly protective live-attenuated SARS-CoV-2 vaccine candidates by genome recoding. Cell Reports, 2021, 36, 109493.	2.9	46
17	A phylogenomic analysis of Marek's disease virus reveals independent paths to virulence in Eurasia and North America. Evolutionary Applications, 2017, 10, 1091-1101.	1.5	45
18	Graphene Sheets with Defined Dual Functionalities for the Strong SARSâ€CoVâ€2 Interactions. Small, 2021, 17, e2007091.	5.2	42

#	Article	IF	Citations
19	In vitro efficacy of Artemisia extracts against SARS-CoV-2. Virology Journal, 2021, 18, 182.	1.4	39
20	Attenuation of a very virulent Marek's disease herpesvirus (MDV) by codon pair bias deoptimization. PLoS Pathogens, 2018, 14, e1006857.	2.1	37
21	Live attenuated virus vaccine protects against SARS-CoV-2 variants of concern B.1.1.7 (Alpha) and B.1.351 (Beta). Science Advances, 2021, 7, eabk0172.	4.7	32
22	Inhibition of SARS-CoV-2 Replication by a Small Interfering RNA Targeting the Leader Sequence. Viruses, 2021, 13, 2030.	1.5	23
23	Key benefits of dexamethasone and antibody treatment in COVID-19 hamster models revealed by single-cell transcriptomics. Molecular Therapy, 2022, 30, 1952-1965.	3.7	20
24	Elizabethkingia miricola infection in multiple anuran species. Transboundary and Emerging Diseases, 2021, 68, 931-940.	1.3	17
25	A proofreading-impaired herpesvirus generates populations with quasispecies-like structure. Nature Microbiology, 2019, 4, 2175-2183.	5.9	17
26	Isolation and characterization of new Puumala orthohantavirus strains from Germany. Virus Genes, 2020, 56, 448-460.	0.7	12
27	Mareka€™s Disease Virus Requires Both Copies of the Inverted Repeat Regions for Efficient In Vivo Replication and Pathogenesis. Journal of Virology, 2021, 95, .	1.5	10
28	ACE2a€Variants Indicate Potential SARSa€CoVa€2a€Susceptibility in Animals: A Molecular Dynamics Study. Molecular Informatics, 2021, 40, e2100031.	1.4	8
29	Deciphering the Role of Humoral and Cellular Immune Responses in Different COVID-19 Vaccinesa€"A Comparison of Vaccine Candidate Genes in Roborovski Dwarf Hamsters. Viruses, 2021, 13, 2290.	1.5	7
30	Zoonotic pathogen screening of striped field mice (Apodemus agrarius) from Austria. Transboundary and Emerging Diseases, 2022, 69, 886-890.	1.3	4
31	De Novo-Whole Genome Assembly of the Roborovski Dwarf Hamster (Phodopus roborovskii) Genome: An Animal Model for Severe/Critical COVID-19. Genome Biology and Evolution, 2022, 14, .	1.1	4
32	Herpesvirus DNA Polymerase Mutantsa€"How Important Is Faithful Genome Replication?. Current Clinical Microbiology Reports, 2019, 6, 240-248.	1.8	3
33	A Sars-Cov-2 Neutralizing Antibody Protects from Lung Pathology in a Covid-19 Hamster Model. SSRN Electronic Journal, 0, , .	0.4	3
34	The Diverse Major Histocompatibility Complex Haplotypes of a Common Commercial Chicken Line and Their Effect on Mareka€™s Disease Virus Pathogenesis and Tumorigenesis. Frontiers in Immunology, 2022, 13, .	2.2	3
35	Polysulfate hemmen durch elektrostatische Wechselwirkungen die SARSa€CoVa€2a€Infektion**. Angewandte Chemie, 2021, 133, 16005-16014.	1.6	0