Kai Dallmeier

List of Publications by Year
in descending order

67	4,421	218381	123241
papers	citations	26 h-index	61 g-index

87	87	87	7668
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Animal models for COVID-19. Nature, 2020, 586, 509-515.	13.7	705
2	Spatial proteogenomics reveals distinct and evolutionarily conserved hepatic macrophage niches. Cell, 2022, 185, 379-396.e38.	13.5	343
3	Ivermectin is a potent inhibitor of flavivirus replication specifically targeting NS3 helicase activity: new prospects for an old drug. Journal of Antimicrobial Chemotherapy, 2012, 67, 1884-1894.	1.3	329
4	Favipiravir at high doses has potent antiviral activity in SARS-CoV-2â"infected hamsters, whereas hydroxychloroquine lacks activity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26955-26965.	3.3	240
5	STAT2 signaling restricts viral dissemination but drives severe pneumonia in SARS-CoV-2 infected hamsters. Nature Communications, 2020, 11, 5838.	5.8	225
6	Mutations in the chikungunya virus non-structural proteins cause resistance to favipiravir (T-705), a broad-spectrum antiviral. Journal of Antimicrobial Chemotherapy, 2014, 69, 2770-2784.	1.3	187
7	A Mutation in the Hepatitis E Virus RNA Polymerase Promotes Its Replication and Associates With Ribavirin Treatment Failure in Organ Transplant Recipients. Gastroenterology, 2014, 147, 1008-1011.e7.	0.6	171
8	Genome-wide CRISPR screening identifies TMEM106B as a proviral host factor for SARS-CoV-2. Nature Genetics, 2021, 53, 435-444.	9.4	162
9	A single-dose live-attenuated YF17D-vectored SARS-CoV-2 vaccine candidate. Nature, 2021, 590, 320-325.	13.7	148
10	Ribavirin Inhibits In Vitro Hepatitis E Virus Replication through Depletion of Cellular GTP Pools and Is Moderately Synergistic with Alpha Interferon. Antimicrobial Agents and Chemotherapy, 2014, 58, 267-273.	1.4	126
11	Favipiravir (T-705) inhibits in vitro norovirus replication. Biochemical and Biophysical Research Communications, 2012, 424, 777-780.	1.0	122
12	The omicron (B.1.1.529) SARS-CoV-2 variant of concern does not readily infect Syrian hamsters. Antiviral Research, 2022, 198, 105253.	1.9	104
13	Comparing infectivity and virulence of emerging SARS-CoV-2 variants in Syrian hamsters. EBioMedicine, 2021, 68, 103403.	2.7	102
14	Ribavirin for the treatment of chronic hepatitis C virus infection: a review of the proposed mechanisms of action. Current Opinion in Virology, 2011, 1, 590-598.	2.6	101
15	Hepatitis E virus mutations associated with ribavirin treatment failure result in altered viral fitness and ribavirin sensitivity. Journal of Hepatology, 2016, 65, 499-508.	1.8	99
16	The combined treatment of Molnupiravir and Favipiravir results in a potentiation of antiviral efficacy in a SARS-CoV-2 hamster infection model. EBioMedicine, 2021, 72, 103595.	2.7	91
17	A pan-serotype dengue virusÂinhibitor targeting the NS3â€"NS4BÂinteraction. Nature, 2021, 598, 504-509.	13.7	90
18	Flaviviral NS4b, chameleon and jackâ€inâ€theâ€box roles in viral replication and pathogenesis, and a molecular target for antiviral intervention. Reviews in Medical Virology, 2015, 25, 205-223.	3.9	86

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19	Zika Virus Replicons for Drug Discovery. EBioMedicine, 2016, 12, 156-160.	2.7	77
20	Inhibition of norovirus replication by the nucleoside analogue 2â€²-C-methylcytidine. Biochemical and Biophysical Research Communications, 2012, 427, 796-800.	1.0	59
21	Stem cell-derived hepatocytes: A novel model for hepatitis E virus replication. Journal of Hepatology, 2016, 64, 565-573.	1.8	51
22	A Single-Dose Live-Attenuated Zika Virus Vaccine with Controlled Infection Rounds that Protects against Vertical Transmission. Cell Host and Microbe, 2018, 24, 487-499.e5.	5.1	46
23	Discovery of Indole Derivatives as Novel and Potent Dengue Virus Inhibitors. Journal of Medicinal Chemistry, 2018, 61, 8390-8401.	2.9	43
24	Emerging preclinical evidence does not support broad use of hydroxychloroquine in COVID-19 patients. Nature Communications, 2020, 11, 4253.	5.8	43
25	A yellow feverâ€“Zika chimeric virus vaccine candidate protects against Zika infection and congenital malformations in mice. Npj Vaccines, 2018, 3, 56.	2.9	41
26	An affinity-enhanced, broadly neutralizing heavy chainâ€“only antibody protects against SARS-CoV-2 infection in animal models. Science Translational Medicine, 2021, 13, eabi7826.	5.8	41
27	A Chimeric Japanese Encephalitis Vaccine Protects against Lethal Yellow Fever Virus Infection without Inducing Neutralizing Antibodies. MBio, 2020, 11, .	1.8	30
28	Crucial role of the N-glycans on the viral E-envelope glycoprotein in DC-SIGN-mediated dengue virus infection. Antiviral Research, 2012, 96, 280-287.	1.9	29
29	Viral engagement with host receptors blocked by a novel class of tryptophan dendrimers that targets the 5-fold-axis of the enterovirus-A71 capsid. PLoS Pathogens, 2019, 15, e1007760.	2.1	26
30	Towards rabies elimination in the Asia-Pacific region: From theory to practice. Biologicals, 2020, 64, 83-95.	0.5	25
31	Differentiated umbilical cord matrix stem cells as a newin vitromodel to study early events during hepatitis B virus infection. Hepatology, 2013, 57, 59-69.	3.6	24
32	A rat model for hepatitis E virus. DMM Disease Models and Mechanisms, 2016, 9, 1203-1210.	1.2	23
33	Replication of not-known-vector flaviviruses in mosquito cells is restricted by intracellular host factors rather than by the viral envelope proteins. Journal of General Virology, 2010, 91, 1693-1697.	1.3	22
34	A chimeric yellow fever-Zika virus vaccine candidate fully protects against yellow fever virus infection in mice. Emerging Microbes and Infections, 2020, 9, 520-533.	3.0	21
35	A Structural Model for Duck Hepatitis B Virus Core Protein Derived by Extensive Mutagenesis. Journal of Virology, 2007, 81, 13218-13229.	1.5	19
36	Limited evolution of the yellow fever virus 17d in a mouse infection model. Emerging Microbes and Infections, 2019, 8, 1734-1746.	3.0	18

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37	Inhibition of hepatitis C virus replication by semi-synthetic derivatives of glycopeptide antibiotics. Journal of Antimicrobial Chemotherapy, 2011, 66, 1287-1294.	1.3	17
38	Simple and inexpensive three-step rapid amplification of cDNA 5â€² ends using 5â€² phosphorylated primers. Analytical Biochemistry, 2013, 434, 1-3.	1.1	17
39	MVA-CoV2-S Vaccine Candidate Neutralizes Distinct Variants of Concern and Protects Against SARS-CoV-2 Infection in Hamsters. Frontiers in Immunology, 2022, 13, 845969.	2.2	16
40	Cutthroat trout virus as a surrogate in vitro infection model for testing inhibitors of hepatitis E virus replication. Antiviral Research, 2013, 100, 98-101.	1.9	14
41	A dengue type 2 reporter virus assay amenable to high-throughput screening. Antiviral Research, 2020, 183, 104929.	1.9	13
42	Efficient control of Japanese encephalitis virus in the central nervous system of infected pigs occurs in the absence of a pronounced inflammatory immune response. Journal of Neuroinflammation, 2020, 17, 315.	3.1	12
43	Small-molecule inhibitors of TBK1 serve as an adjuvant for a plasmid-launched live-attenuated yellow fever vaccine. Human Vaccines and Immunotherapeutics, 2020, 16, 2196-2203.	1.4	11
44	Hydantoin: The mechanism of its inÂvitro anti-enterovirus activity revisited. Antiviral Research, 2016, 133, 106-109.	1.9	10
45	Zika genomics urgently need standardized and curated reference sequences. PLoS Pathogens, 2017, 13, e1006528.	2.1	10
46	Zika and Other Emerging Viruses: Aiming at the Right Target. Cell Host and Microbe, 2016, 20, 420-422.	5.1	8
47	COVID-19 and the intensive care unit: vaccines to the rescue. Intensive Care Medicine, 2021, 47, 786-789.	3.9	8
48	HIV protease inhibitors Nelfinavir and Lopinavir/Ritonavir markedly improve lung pathology in SARS-CoV-2-infected Syrian hamsters despite lack of an antiviral effect. Antiviral Research, 2022, 202, 105311.	1.9	8
49	A High-Throughput Yellow Fever Neutralization Assay. Microbiology Spectrum, 2022, 10, .	1.2	8
50	Heterologous Replacement of the Supposed Host Determining Region of Avihepadnaviruses: High In Vivo Infectivity Despite Low Infectivity for Hepatocytes. PLoS Pathogens, 2008, 4, e1000230.	2.1	7
51	Identification of host factors binding to dengue and Zika virus subgenomic RNA by efficient yeast three-hybrid screens of the human ORFeome. RNA Biology, 2021, 18, 732-744.	1.5	7
52	A novel therapeutic HBV vaccine candidate induces strong polyfunctional cytotoxic T cell responses in mice. JHEP Reports, 2021, 3, 100295.	2.6	7
53	High Incidence of SARS-CoV-2 Variant of Concern Breakthrough Infections Despite Residual Humoral and Cellular Immunity Induced by BNT162b2 Vaccination in Healthcare Workers: A Long-Term Follow-Up Study in Belgium. Viruses, 2022, 14, 1257.	1.5	7
54	Phenotyping hepatitis B virus variants: From transfection towards a small animal in vivo infection model. Journal of Clinical Virology, 2005, 34, S89-S95.	1.6	6

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55	Upregulation of sodium taurocholate cotransporter polypeptide during hepatogenic differentiation of umbilical cord matrix mesenchymal stem cells facilitates hepatitis B entry. Stem Cell Research and Therapy, 2017, 8, 204.	2.4	6
56	Comparing immunogenicity and protective efficacy of the yellow fever 17D vaccine in mice. Emerging Microbes and Infections, 2021, 10, 2279-2290.	3.0	6
57	Biodistribution and environmental safety of a live-attenuated YF17D-vectored SARS-CoV-2 vaccine candidate. Molecular Therapy - Methods and Clinical Development, 2022, 25, 215-224.	1.8	5
58	Use of Micro-Computed Tomography to Visualize and Quantify COVID-19 Efficiency in Free-Breathing Hamsters. Methods in Molecular Biology, 2022, 2410, 177-192.	0.4	5
59	Complete Genome Sequence of a Rat Hepatitis E Virus Strain Isolated in the United States. Genome Announcements, 2014, 2, .	0.8	4
60	The Development of RNA-KISS, a Mammalian Three-Hybrid Method to Detect RNAâ€“Protein Interactions in Living Mammalian Cells. Journal of Proteome Research, 2020, 19, 2529-2538.	1.8	4
61	Hepadnaviruses have a narrow host range â€” do they?. , 2008, , 303-339.		2
62	Japanese Encephalitis Virus Persistence in Porcine Tonsils Is Associated With a Weak Induction of the Innate Immune Response, an Absence of IFNÎ³ mRNA Expression, and a Decreased Frequency of CD4+CD8+ Double-Positive T Cells. Frontiers in Cellular and Infection Microbiology, 2022, 12, 834888.	1.8	2
63	A Yellow Fever 17D Virus Replicon-Based Vaccine Platform for Emerging Coronaviruses. Vaccines, 2021, 9, 1492.	2.1	2
64	Palaeoserology â€“ teeth put into ancient plagues and pandemics. Microbial Biotechnology, 2022, , .	2.0	2
65	Infectious Virus Yield Assay for Hepatitis E Virus. Bio-protocol, 2014, 4, .	0.2	1
66	Luminescence-based Antiviral Assay for Hepatitis E Virus. Bio-protocol, 2014, 4, .	0.2	1
67	Use of Optical In Vivo Imaging to Monitor and Optimize Delivery of Novel Plasmid-Launched Live-Attenuated Vaccines. Methods in Molecular Biology, 2022, 2412, 283-294.	0.4	1