Ronald Dijkman

List of Publications by Year
in descending order

65 papers	6,970 citations	126708 33 h-index	106150 65 g-index
87 all docs	87 docs citations	87 times ranked	13147 citing authors

#	Article	IF	Citations
1	Dipeptidyl peptidase 4 is a functional receptor for the emerging human coronavirus-EMC. Nature, 2013, 495, 251-254.	13.7	1,731
2	SARS-CoV-2 spike D614G change enhances replication and transmission. Nature, 2021, 592, 122-127.	13.7	440
3	Rapid reconstruction of SARS-CoV-2 using a synthetic genomics platform. Nature, 2020, 582, 561-565.	13.7	377
4	Inactivation of Severe Acute Respiratory Syndrome Coronavirus 2 by WHO-Recommended Hand Rub Formulations and Alcohols. Emerging Infectious Diseases, 2020, 26, 1592-1595.	2.0	299
5	TMPRSS2 Activates the Human Coronavirus 229E for Cathepsin-Independent Host Cell Entry and Is Expressed in Viral Target Cells in the Respiratory Epithelium. Journal of Virology, 2013, 87, 6150-6160.	1.5	296
6	Efficient Replication of the Novel Human Betacoronavirus EMC on Primary Human Epithelium Highlights Its Zoonotic Potential. MBio, 2013, 4, e00611-12.	1.8	183
7	Attenuation of replication by a 29 nucleotide deletion in SARS-coronavirus acquired during the early stages of human-to-human transmission. Scientific Reports, 2018, 8, 15177.	1.6	181
8	Interferon lambda 4 signals via the IFNÎ» receptor to regulate antiviral activity against HCV and coronaviruses. EMBO Journal, 2013, 32, 3055-3065.	3.5	177
9	Human Coronavirus NL63 and 229E Seroconversion in Children. Journal of Clinical Microbiology, 2008, 46, 2368-2373.	1.8	171
10	LY6E impairs coronavirus fusion and confers immune control of viral disease. Nature Microbiology, 2020, 5, 1330-1339.	5.9	170
11	The dominance of human coronavirus OC43 and NL63 infections in infants. Journal of Clinical Virology, 2012, 53, 135-139.	1.6	161
12	Determination of host proteins composing the microenvironment of coronavirus replicase complexes by proximity-labeling. ELife, 2019, 8, .	2.8	157
13	Human Bocavirus Can Be Cultured in Differentiated Human Airway Epithelial Cells. Journal of Virology, 2009, 83, 7739-7748.	1.5	156
14	Virucidal Activity of World Health Organizationâ€“Recommended Formulations Against Enveloped Viruses, Including Zika, Ebola, and Emerging Coronaviruses. Journal of Infectious Diseases, 2017, 215, 902-906.	1.9	151
15	Mosaic Structure of Human Coronavirus NL63, One Thousand Years of Evolution. Journal of Molecular Biology, 2006, 364, 964-973.	2.0	149
16	Targeting Membrane-Bound Viral RNA Synthesis Reveals Potent Inhibition of Diverse Coronaviruses Including the Middle East Respiratory Syndrome Virus. PLoS Pathogens, 2014, 10, e1004166.	2.1	136
17	Replication-dependent downregulation of cellular angiotensin-converting enzyme 2 protein expression by human coronavirus NL63. Journal of General Virology, 2012, 93, 1924-1929.	1.3	128
18	Isolation and Characterization of Current Human Coronavirus Strains in Primary Human Epithelial Cell Cultures Reveal Differences in Target Cell Tropism. Journal of Virology, 2013, 87, 6081-6090.	1.5	126

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19	Link of a ubiquitous human coronavirus to dromedary camels. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9864-9869.	3.3	122
20	Culturing the Unculturable: Human Coronavirus HKU1 Infects, Replicates, and Produces Progeny Virions in Human Ciliated Airway Epithelial Cell Cultures. Journal of Virology, 2010, 84, 11255-11263.	1.5	120
21	Inhibition of Human Coronavirus NL63 Infection at Early Stages of the Replication Cycle. Antimicrobial Agents and Chemotherapy, 2006, 50, 2000-2008.	1.4	113
22	Coronaviruses and the human airway: a universal system for virus-host interaction studies. Virology Journal, 2016, 13, 24.	1.4	86
23	The differentiated airway epithelium infected by influenza viruses maintains the barrier function despite a dramatic loss of ciliated cells. Scientific Reports, 2016, 6, 39668.	1.6	81
24	Reverse Genetics of SARS-Related Coronavirus Using Vaccinia Virus-Based Recombination. PLoS ONE, 2012, 7, e32857.	1.1	79
25	Disparate temperature-dependent virusâ€“host dynamics for SARS-CoV-2 and SARS-CoV in the human respiratory epithelium. PLoS Biology, 2021, 19, e3001158.	2.6	79
26	Enhanced fitness of SARS-CoV-2 variant of concern Alpha but not Beta. Nature, 2022, 602, 307-313.	13.7	79
27	The papain-like protease determines a virulence trait that varies among members of the SARS-coronavirus species. PLoS Pathogens, 2018, 14, e1007296.	2.1	64
28	Human Parechovirus Type 1, 3, 4, 5, and 6 Detection in Picornavirus Cultures. Journal of Clinical Microbiology, 2008, 46, 759-762.	1.8	53
29	Human Coronaviruses 229E and NL63: Close Yet Still So Far. Journal of the Formosan Medical Association, 2009, 108, 270-279.	0.8	48
30	Transcriptome analysis reveals a classical interferon signature induced by IFNÎ»4 in human primary cells. Genes and Immunity, 2015, 16, 414-421.	2.2	44
31	Phosphoproteomic-based kinase profiling early in influenza virus infection identifies GRK2 as antiviral drug target. Nature Communications, 2018, 9, 3679.	5.8	44
32	Identification of cell lines permissive for human coronavirus NL63. Journal of Virological Methods, 2006, 138, 207-210.	1.0	41
33	Human coronavirus 229E encodes a single ORF4 protein between the spike and the envelope genes. Virology Journal, 2006, 3, 106.	1.4	37
34	Differentiation between Human Coronaviruses NL63 and 229E Using a Novel Double-Antibody Sandwich Enzyme-Linked Immunosorbent Assay Based on Specific Monoclonal Antibodies. Vaccine Journal, 2011, 18, 113-118.	3.2	36
35	Determining the Replication Kinetics and Cellular Tropism of Influenza D Virus on Primary Well-Differentiated Human Airway Epithelial Cells. Viruses, 2019, 11, 377.	1.5	36
36	Burden of disease due to human coronavirus NL63 infections and periodicity of infection. Journal of Clinical Virology, 2010, 48, 104-108.	1.6	33

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37	A genome-wide CRISPR screen identifies interactors of the autophagy pathway as conserved coronavirus targets. PLoS Biology, 2021, 19, e3001490.	2.6	33
38	Characterization of Human Coronaviruses on Well-Differentiated Human Airway Epithelial Cell Cultures. Methods in Molecular Biology, 2015, 1282, 73-87.	0.4	31
39	The first complete genome sequences of clinical isolates of human coronavirus 229E. Virus Genes, 2012, 45, 433-439.	0.7	30
40	Labyrinthopeptins as virolytic inhibitors of respiratory syncytial virus cell entry. Antiviral Research, 2020, 177, 104774.	1.9	30
41	First international external quality assessment of molecular diagnostics for Mers-CoV. Journal of Clinical Virology, 2015, 69, 81-85.	1.6	27
42	Betulonic Acid Derivatives Interfering with Human Coronavirus 229E Replication via the nsp15 Endoribonuclease. Journal of Medicinal Chemistry, 2021, 64, 5632-5644.	2.9	26
43	Identification of an Antiviral Compound from the Pandemic Response Box that Efficiently Inhibits SARS-CoV-2 Infection In Vitro. Microorganisms, 2020, 8, 1872.	1.6	25
44	Culturing of respiratory viruses in wellâ€differentiated pseudostratified human airway epithelium as a tool to detect unknown viruses. Influenza and Other Respiratory Viruses, 2015, 9, 51-57.	1.5	22
45	Targeting of the Nasal Mucosa by Japanese Encephalitis Virus for Non-Vector-Borne Transmission. Journal of Virology, 2018, 92, .	1.5	21
46	Trimeric SARS-CoV-2 Spike Proteins Produced from CHO Cells in Bioreactors Are High-Quality Antigens. Processes, 2020, 8, 1539.	1.3	18
47	The IFNL4 Gene Is a Noncanonical Interferon Gene with a Unique but Evolutionarily Conserved Regulation. Journal of Virology, 2020, 94, .	1.5	14
48	Prevalence of BRD-Related Viral Pathogens in the Upper Respiratory Tract of Swiss Veal Calves. Animals, 2021, 11, 1940.	1.0	14
49	Well-Differentiated Primary Mammalian Airway Epithelial Cell Cultures. Methods in Molecular Biology, 2020, 2203, 119-134.	0.4	14
50	Seroconversion to HCoV-NL63 in Rhesus Macaques. Viruses, 2009, 1, 647-656.	1.5	11
51	Susceptibility of Well-Differentiated Airway Epithelial Cell Cultures from Domestic and Wild Animals to Severe Acute Respiratory Syndrome Coronavirus 2. Emerging Infectious Diseases, 2021, 27, 1811-1820.	2.0	11
52	Functional comparison of MERS-coronavirus lineages reveals increased replicative fitness of the recombinant lineage 5. Nature Communications, 2021, 12, 5324.	5.8	11
53	Fecal Shedding of Bovine Astrovirus CH13/NeuroS1 in Veal Calves. Journal of Clinical Microbiology, 2020, 58, .	1.8	10
54	Establishment of Primary Transgenic Human Airway Epithelial Cell Cultures to Study Respiratory Virusâ€“Host Interactions. Viruses, 2019, 11, 747.	1.5	9

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55	Emergence of a C-Terminal Seven-Amino-Acid Elongation of NS1 in Around 1950 Conferred a Minor Growth Advantage to Former Seasonal Influenza A Viruses. Journal of Virology, 2013, 87, 11300-11303.	1.5	8
56	Neuro-axonal injury in COVID-19: the role of systemic inflammation and SARS-CoV-2 specific immune response. Therapeutic Advances in Neurological Disorders, 2022, 15, 175628642210805.	1.5	8
57	Effective Interferon Lambda Treatment Regimen To Control Lethal MERS-CoV Infection in Mice. Journal of Virology, 2022, 96, e0036422.	1.5	8
58	Evaluation of the Roche antigen rapid test and a cell culture-based assay compared to rRT- PCR for the detection of SARS-CoV-2: A contribution to the discussion about SARS-CoV-2 diagnostic tests and contagiousness. Journal of Clinical Virology Plus, 2021, 1, 100020.	0.4	5
59	A Multidimensional Cross-Sectional Analysis of Coronavirus Disease 2019 Seroprevalence Among a Police Officer Cohort: The PoliCOV-19 Study. Open Forum Infectious Diseases, 2021, 8, ofab524.	0.4	4
60	The International Virus Bioinformatics Meeting 2020. Viruses, 2020, 12, 1398.	1.5	3
61	Establishment of a Reverse Genetic System from a Bovine Derived Influenza D Virus Isolate. Viruses, 2021, 13, 502.	1.5	3
62	Establishment of caprine airway epithelial cells grown in an air-liquid interface system to study caprine respiratory viruses and bacteria. Veterinary Microbiology, 2021, 257, 109067.	0.8	3
63	Host switching pathogens, infectious outbreaks and zoonosis: A Marie SkÅ‚odowska-Curie innovative training network (HONOURs). Virus Research, 2018, 257, 120-124.	1.1	2
64	Using a mouse-adapted A/HK/01/68 influenza virus to analyse the impact of NS1 evolution in codons 196 and 231 on viral replication and virulence. Journal of General Virology, 2020, 101, 587-598.	1.3	2
65	Establishment of well-differentiated camelid airway cultures to study Middle East respiratory syndrome coronavirus. Scientific Reports, 2022, 12, .	1.6	2