Miranda de Graaf

List of Publications by Year
in descending order

56 papers	8,394 citations	117625 34 h-index	144013 57 g-index
59 all docs	59 docs citations	59 times ranked	11767 citing authors

#	Article	IF	Citations
1	Antigenic and Genetic Characteristics of Swine-Origin 2009 A(H1N1) Influenza Viruses Circulating in Humans. Science, 2009, 325, 197-201.	12.6	2,127
2	SARS-CoV-2 productively infects human gut enterocytes. Science, 2020, 369, 50-54.	12.6	1,347
3	Genomic Characterization of a Newly Discovered Coronavirus Associated with Acute Respiratory Distress Syndrome in Humans. MBio, 2012, 3, .	4.1	766
4	Updated classification of norovirus genogroups and genotypes. Journal of General Virology, 2019, 100, 1393-1406.	2.9	535
5	Role of receptor binding specificity in influenza A virus transmission and pathogenesis. EMBO Journal, 2014, 33, 823-841.	7.8	340
6	Human norovirus transmission and evolution in a changing world. Nature Reviews Microbiology, 2016, 14, 421-433.	28.6	320
7	Real-Time Reverse Transcriptase PCR Assay for Detection of Human Metapneumoviruses from All Known Genetic Lineages. Journal of Clinical Microbiology, 2004, 42, 981-986.	3.9	284
8	Identification, Characterization, and Natural Selection of Mutations Driving Airborne Transmission of A/H5N1 Virus. Cell, 2014, 157, 329-339.	28.9	237
9	Human norovirus culture in B cells. Nature Protocols, 2015, 10, 1939-1947.	12.0	202
10	Molecular surveillance of norovirus, 2005â€“16: an epidemiological analysis of data collected from the NoroNet network. Lancet Infectious Diseases, The, 2018, 18, 545-553.	9.1	193
11	Limited airborne transmission of H7N9 influenza A virus between ferrets. Nature, 2013, 501, 560-563.	27.8	182
12	Monitoring SARS-CoV-2 Circulation and Diversity through Community Wastewater Sequencing, the Netherlands and Belgium. Emerging Infectious Diseases, 2021, 27, 1405-1415.	4.3	168
13	Genomewide Analysis of Reassortment and Evolution of Human Influenza A(H3N2) Viruses Circulating between 1968 and 2011. Journal of Virology, 2014, 88, 2844-2857.	3.4	137
14	Recovery of Human Metapneumovirus Genetic Lineages A and B from Cloned cDNA. Journal of Virology, 2004, 78, 8264-8270.	3.4	92
15	Droplet digital RT-PCR to detect SARS-CoV-2 signature mutations of variants of concern in wastewater. Science of the Total Environment, 2021, 799, 149456.	8.0	92
16	Evolutionary dynamics of human and avian metapneumoviruses. Journal of General Virology, 2008, 89, 2933-2942.	2.9	89
17	Identification of Amino Acid Substitutions Supporting Antigenic Change of Influenza A(H1N1)pdm09 Viruses. Journal of Virology, 2015, 89, 3763-3775.	3.4	73
18	Global Spread of Norovirus GII.17 Kawasaki 308, 2014â€“2016. Emerging Infectious Diseases, 2017, 23, 1359-1354.	4.3	71

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19	Genetic evolution of the neuraminidase of influenza A (H3N2) viruses from 1968 to 2009 and its correspondence to haemagglutinin evolution. Journal of General Virology, 2012, 93, 1996-2007.	2.9	57
20	Animals as Reservoir for Human Norovirus. Viruses, 2019, 11, 478.	3.3	55
21	Novel Avian-Origin Influenza A (H7N9) Virus Attaches to Epithelium in Both Upper and Lower Respiratory Tract of Humans. American Journal of Pathology, 2013, 183, 1137-1143.	3.8	52
22	A review of influenza haemagglutinin receptor binding as it relates to pandemic properties. Vaccine, 2012, 30, 4369-4376.	3.8	51
23	Immunization of Syrian golden hamsters with F subunit vaccine of human metapneumovirus induces protection against challenge with homologous or heterologous strains. Journal of General Virology, 2007, 88, 2702-2709.	2.9	48
24	Experimental infection of macaques with human metapneumovirus induces transient protective immunity. Journal of General Virology, 2007, 88, 1251-1259.	2.9	47
25	Multiple Natural Substitutions in Avian Influenza A Virus PB2 Facilitate Efficient Replication in Human Cells. Journal of Virology, 2016, 90, 5928-5938.	3.4	47
26	Sustained fecal-oral human-to-human transmission following a zoonotic event. Current Opinion in Virology, 2017, 22, 1-6.	5.4	46
27	Immunogenicity and efficacy of two candidate human metapneumovirus vaccines in cynomolgus macaques. Vaccine, 2008, 26, 4224-4230.	3.8	45
28	Prevalence and circulation patterns of SARS-CoV-2 variants in European sewage mirror clinical data of 54 European cities. Water Research, 2022, 214, 118162.	11.3	45
29	Avian influenza A viruses: from zoonosis to pandemic. Future Virology, 2014, 9, 513-524.	1.8	42
30	An improved plaque reduction virus neutralization assay for human metapneumovirus. Journal of Virological Methods, 2007, 143, 169-174.	2.1	41
31	Latent Acyclovir-Resistant Herpes Simplex Virus Type 1 in Trigeminal Ganglia of Immunocompetent Individuals. Journal of Infectious Diseases, 2012, 205, 1539-1543.	4.0	41
32	Capturing norovirus transmission. Current Opinion in Virology, 2017, 22, 64-70.	5.4	39
33	Generation of temperature-sensitive human metapneumovirus strains that provide protective immunity in hamsters. Journal of General Virology, 2008, 89, 1553-1562.	2.9	37
34	Optimization of an enzyme-linked lectin assay suitable for rapid antigenic characterization of the neuraminidase of human influenza A(H3N2) viruses. Journal of Virological Methods, 2015, 217, 55-63.	2.1	36
35	Whole-Genome Next-Generation Sequencing to Study Within-Host Evolution of Norovirus (NoV) Among Immunocompromised Patients With Chronic NoV Infection. Journal of Infectious Diseases, 2017, 216, 1513-1524.	4.0	36
36	Chronic sequelae and severe complications of norovirus infection: A systematic review of literature. Journal of Clinical Virology, 2018, 105, 1-10.	3.1	28

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37	Fusion protein is the main determinant of metapneumovirus host tropism. Journal of General Virology, 2009, 90, 1408-1416.	2.9	27
38	Metavirome Sequencing to Evaluate Norovirus Diversity in Sewage and Related Bioaccumulated Oysters. Frontiers in Microbiology, 2019, 10, 2394.	3.5	26
39	Comparison of norovirus genogroup I, II and IV seroprevalence among children in the Netherlands, 1963, 1983 and 2006. Journal of General Virology, 2016, 97, 2255-2264.	2.9	26
40	Optimisations and Challenges Involved in the Creation of Various Bioluminescent and Fluorescent Influenza A Virus Strains for In Vitro and In Vivo Applications. PLoS ONE, 2015, 10, e0133888.	2.5	26
41	Influenza A virus evolution and spatio-temporal dynamics in Eurasian wild birds: a phylogenetic and phylogeographical study of whole-genome sequence data. Journal of General Virology, 2015, 96, 2050-2060.	2.9	23
42	Novel opportunities for NGS-based one health surveillance of foodborne viruses. One Health Outlook, 2020, 2, 14.	3.4	22
43	Norovirus Infection in Harbor Porpoises. Emerging Infectious Diseases, 2017, 23, 87-91.	4.3	21
44	Detection of Norovirus Variant GII.4 Hong Kong in Asia and Europe, 2017â^'2019. Emerging Infectious Diseases, 2021, 27, 289-293.	4.3	21
45	Small Hydrophobic Protein of Human Metapneumovirus Does Not Affect Virus Replication and Host Gene Expression In Vitro. PLoS ONE, 2013, 8, e58572.	2.5	19
46	Novel Avian-Origin Influenza A (H7N9) Virus Attachment to the Respiratory Tract of Five Animal Models. Journal of Virology, 2014, 88, 4595-4599.	3.4	17
47	Specificity and functional interaction of the polymerase complex proteins of human and avian metapneumoviruses. Journal of General Virology, 2008, 89, 975-983.	2.9	13
48	Clinical and In Vitro Evidence Favoring Immunoglobulin Treatment of a Chronic Norovirus Infection in a Patient With Common Variable Immunodeficiency. Journal of Infectious Diseases, 2022, 226, 1781-1789.	4.0	12
49	Phylogeny of Spanish swine influenza viruses isolated from respiratory disease outbreaks and evolution of swine influenza virus within an endemically infected farm. Veterinary Microbiology, 2014, 170, 266-277.	1.9	11
50	Improving Hand Hygiene Compliance in Nursing Homes: Protocol for a Cluster Randomized Controlled Trial (HANDSOME Study). JMIR Research Protocols, 2020, 9, e17419.	1.0	11
51	Phylogenetic Investigation of Norovirus Transmission between Humans and Animals. Viruses, 2020, 12, 1287.	3.3	7
52	Norovirus outbreak in a natural playground: A One Health approach. Zoonoses and Public Health, 2020, 67, 453-459.	2.2	7
53	Human Noroviruses Attach to Intestinal Tissues of a Broad Range of Animal Species. Journal of Virology, 2021, 95, .	3.4	6
54	Molecular Epidemiology of Seal Parvovirus, 1988â€“2014. PLoS ONE, 2014, 9, e112129.	2.5	5

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55	Application of Next Generation Sequencing on Norovirusâ€contaminated oyster samples. EFSA Supporting Publications, 2022, 19, .	0.7	5
56	A luciferase-based approach for measuring HBGA blockade antibody titers against human norovirus. Journal of Virological Methods, 2021, 297, 114196.	2.1	4