JÃ´natas Santos AbrahÃ£o

List of Publications by Year
in descending order

142 papers	4,063 citations	147801 31 h-index	161849 54 g-index
148 all docs	148 docs citations	148 times ranked	3061 citing authors

#	Article	IF	Citations
1	Culture of previously uncultured members of the human gut microbiota by culturomics. Nature Microbiology, 2016, 1, 16203.	13.3	735
2	Tailed giant Tupanvirus possesses the most complete translational apparatus of the known virosphere. Nature Communications, 2018, 9, 749.	12.8	247
3	The Large Marseillevirus Explores Different Entry Pathways by Forming Giant Infectious Vesicles. Journal of Virology, 2016, 90, 5246-5255.	3.4	103
4	One More Piece in the VACV Ecological Puzzle: Could Peridomestic Rodents Be the Link between Wildlife and Bovine Vaccinia Outbreaks in Brazil?. PLoS ONE, 2009, 4, e7428.	2.5	89
5	Samba virus: a novel mimivirus from a giant rain forest, the Brazilian Amazon. Virology Journal, 2014, 11, 95.	3.4	87
6	Culturomics and pyrosequencing evidence of the reduction in gut microbiota diversity in patients with broad-spectrum antibiotics. International Journal of Antimicrobial Agents, 2014, 44, 117-124.	2.5	84
7	Natural human infections with Vaccinia virus during bovine vaccinia outbreaks. Journal of Clinical Virology, 2009, 44, 308-313.	3.1	80
8	A Brazilian Marseillevirus Is the Founding Member of a Lineage in Family Marseilleviridae. Viruses, 2016, 8, 76.	3.3	74
9	Zoonotic Brazilian Vaccinia virus: From field to therapy. Antiviral Research, 2011, 92, 150-163.	4.1	71
10	Poxvirus Host Range Genes and Virusâ€“Host Spectrum: A Critical Review. Viruses, 2017, 9, 331.	3.3	71
11	Isolation of new Brazilian giant viruses from environmental samples using a panel of protozoa. Frontiers in Microbiology, 2015, 6, 1086.	3.5	66
12	Mimivirus Fibrils Are Important for Viral Attachment to the Microbial World by a Diverse Glycoside Interaction Repertoire. Journal of Virology, 2015, 89, 11812-11819.	3.4	53
13	Acanthamoeba polyphaga mimivirus and other giant viruses: an open field to outstanding discoveries. Virology Journal, 2014, 11, 120.	3.4	51
14	Vaccinia Virus Infection in Monkeys, Brazilian Amazon. Emerging Infectious Diseases, 2010, 16, 976-979.	4.3	49
15	Outbreak of Severe Zoonotic Vaccinia Virus Infection, Southeastern Brazil. Emerging Infectious Diseases, 2015, 21, 695-698.	4.3	49
16	Human Vaccinia virus and Pseudocowpox virus co-infection: Clinical description and phylogenetic characterization. Journal of Clinical Virology, 2010, 48, 69-72.	3.1	48
17	Assessing the variability of Brazilian Vaccinia virus isolates from a horse exanthematic lesion: coinfection with distinct viruses. Archives of Virology, 2011, 156, 275-283.	2.1	46
18	Filling Knowledge Gaps for Mimivirus Entry, Uncoating, and Morphogenesis. Journal of Virology, 2017, 91, .	3.4	42

#	Article	IF	Citations
19	Yaravirus: A novel 80-nm virus infecting Acanthamoeba castellanii. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16579-16586.	7.1	41
20	Promoter Motifs in NCLDVs: An Evolutionary Perspective. Viruses, 2017, 9, 16.	3.3	40
21	Detection and phylogenetic analysis of Orf virus from sheep in Brazil: a case report. Virology Journal, 2009, 6, 47.	3.4	39
22	Zoonotic Vaccinia Virus: Clinical and Immunological Characteristics in a Naturally Infected Patient. Clinical Infectious Diseases, 2009, 48, e37-e40.	5.8	38
23	Oysters as hot spots for mimivirus isolation. Archives of Virology, 2015, 160, 477-482.	2.1	38
24	Virulence in Murine Model Shows the Existence of Two Distinct Populations of Brazilian Vaccinia virus Strains. PLoS ONE, 2008, 3, e3043.	2.5	37
25	The Investigation of Promoter Sequences of Marseilleviruses Highlights a Remarkable Abundance of the AAATATTT Motif in Intergenic Regions. Journal of Virology, 2017, 91, .	3.4	37
26	Ubiquitous giants: a plethora of giant viruses found in Brazil and Antarctica. Virology Journal, 2018, 15, 22.	3.4	37
27	Bovine Vaccinia Outbreaks: Detection and Isolation of Vaccinia Virus in Milk Samples. Foodborne Pathogens and Disease, 2009, 6, 1141-1146.	1.8	36
28	The analysis of translation-related gene set boosts debates around origin and evolution of mimiviruses. PLoS Genetics, 2017, 13, e1006532.	3.5	36
29	Fluconazole Alters the Polysaccharide Capsule of Cryptococcus gattii and Leads to Distinct Behaviors in Murine Cryptococcosis. PLoS ONE, 2014, 9, e112669.	2.5	36
30	Nested-multiplex PCR detection of Orthopoxvirus and Parapoxvirus directly from exanthematic clinical samples. Virology Journal, 2009, 6, 140.	3.4	35
31	Vaccinia Virus Zoonotic Infection, SÃ£o Paulo State, Brazil. Emerging Infectious Diseases, 2011, 18, 189-191.	4.3	35
32	Structural and Proteomic Characterization of the Initiation of Giant Virus Infection. Cell, 2020, 181, 1046-1061.e6.	28.9	35
33	Tupanvirus-infected amoebas are induced to aggregate with uninfected cells promoting viral dissemination. Scientific Reports, 2019, 9, 183.	3.3	33
34	Cedratvirus getuliensis replication cycle: an in-depth morphological analysis. Scientific Reports, 2018, 8, 4000.	3.3	32
35	Putative Promoter Motif Analyses Reinforce the Evolutionary Relationships Among Faustoviruses, Kaumoebavirus, and Asfarvirus. Frontiers in Microbiology, 2018, 9, 1041.	3.5	32
36	An Anthropocentric View of the Virosphere-Host Relationship. Frontiers in Microbiology, 2017, 8, 1673.	3.5	29

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37	Rapid detection of Orthopoxvirus by semiâ€nested PCR directly from clinical specimens: A useful alternative for routine laboratories. Journal of Medical Virology, 2010, 82, 692-699.	5.0	28
38	Vaccinia virus: shedding and horizontal transmission in a murine model. Journal of General Virology, 2008, 89, 2986-2991.	2.9	26
39	Long-lasting stability of Vaccinia virus strains in murine feces: implications for virus circulation and environmental maintenance. Archives of Virology, 2009, 154, 1551-1553.	2.1	26
40	Bovine vaccinia, a systemic infection: Evidence of fecal shedding, viremia and detection in lymphoid organs. Veterinary Microbiology, 2013, 162, 103-111.	1.9	26
41	Pan-Genome Analysis of Brazilian Lineage A Amoebal Mimiviruses. Viruses, 2015, 7, 3483-3499.	3.3	26
42	Serologic and Molecular Evidence of Vaccinia Virus Circulation among Small Mammals from Different Biomes, Brazil. Emerging Infectious Diseases, 2017, 23, 931-938.	4.3	26
43	Giants among larges: how gigantism impacts giant virus entry into amoebae. Current Opinion in Microbiology, 2016, 31, 88-93.	5.1	24
44	Human Infection with Orf Virus and Description of Its Whole Genome, France, 2017. Emerging Infectious Diseases, 2019, 25, 2197-2204.	4.3	24
45	Mimivirus Circulation among Wild and Domestic Mammals, Amazon Region, Brazil. Emerging Infectious Diseases, 2014, 20, 469-472.	4.3	24
46	A resourceful giant: APMV is able to interfere with the human type I interferon system. Microbes and Infection, 2014, 16, 187-195.	1.9	23
47	Niemeyer Virus: A New Mimivirus Group A Isolate Harboring a Set of Duplicated Aminoacyl-tRNA Synthetase Genes. Frontiers in Microbiology, 2015, 6, 1256.	3.5	23
48	Discovery and Further Studies on Giant Viruses at the IHU Mediterranee Infection That Modified the Perception of the Virosphere. Viruses, 2019, 11, 312.	3.3	23
49	New Isolates of Pandoraviruses: Contribution to the Study of Replication Cycle Steps. Journal of Virology, 2019, 93, .	3.4	23
50	â€œTupanvirusâ€, a new genus in the family Mimiviridae. Archives of Virology, 2019, 164, 325-331.	2.1	23
51	Group 1 Vaccinia virus Zoonotic Outbreak in MaranhÃ£o State, Brazil. American Journal of Tropical Medicine and Hygiene, 2013, 89, 1142-1145.	1.4	22
52	Morphologic and Genomic Analyses of New Isolates Reveal a Second Lineage of Cedratviruses. Journal of Virology, 2018, 92, .	3.4	21
53	Microscopic Analysis of the Tupanvirus Cycle in Vermamoeba vermiformis. Frontiers in Microbiology, 2019, 10, 671.	3.5	21
54	Vaccinia Virus Is Not Inactivated After Thermal Treatment and Cheese Production Using Experimentally Contaminated Milk. Foodborne Pathogens and Disease, 2010, 7, 1491-1496.	1.8	20

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55	Multifocal Cutaneous Orf Virus Infection in Goats in the Amazon Region, Brazil. Vector-Borne and Zoonotic Diseases, 2012, 12, 336-340.	1.5	20
56	Trapping the Enemy: Vermamoeba vermiformis Circumvents Faustovirus Mariensis Dissemination by Enclosing Viral Progeny inside Cysts. Journal of Virology, 2019, 93, .	3.4	20
57	Analysis of a Marseillevirus Transcriptome Reveals Temporal Gene Expression Profile and Host Transcriptional Shift. Frontiers in Microbiology, 2020, 11, 651.	3.5	20
58	Virucidal activity of chemical biocides against mimivirus, a putative pneumonia agent. Journal of Clinical Virology, 2012, 55, 323-328.	3.1	19
59	Reemergence of Vaccinia Virus during Zoonotic Outbreak, ParÃ¡ State, Brazil. Emerging Infectious Diseases, 2013, 19, 2017-2020.	4.3	19
60	Spread of Vaccinia Virus to Cattle Herds, Argentina, 2011. Emerging Infectious Diseases, 2014, 20, 1576-1578.	4.3	19
61	Giant virus vs amoeba: fight for supremacy. Virology Journal, 2019, 16, 126.	3.4	19
62	Guarani Virophage, a New Sputnik-Like Isolate From a Brazilian Lake. Frontiers in Microbiology, 2019, 10, 1003.	3.5	19
63	The soda lakes of NhecolÃ¢ndia: A conservation opportunity for the Pantanal wetlands. Perspectives in Ecology and Conservation, 2019, 17, 9-18.	1.9	19
64	Seroprevalence of Orthopoxvirus in rural Brazil: insights into anti-OPV immunity status and its implications for emergent zoonotic OPV. Virology Journal, 2016, 13, 121.	3.4	18
65	Molecular evidence of Orthopoxvirus DNA in capybara (Hydrochoerus hydrochaeris) stool samples. Archives of Virology, 2017, 162, 439-448.	2.1	18
66	Atypical Cowpox Virus Infection in Smallpox-Vaccinated Patient, France. Emerging Infectious Diseases, 2019, 25, 212-219.	4.3	18
67	The Complex Nature of Tupanviruses. Advances in Virus Research, 2019, 103, 135-166.	2.1	18
68	An Update on the Known Host Range of the Brazilian Vaccinia Virus: An Outbreak in Buffalo Calves. Frontiers in Microbiology, 2018, 9, 3327.	3.5	17
69	Modulation of the expression of mimivirus-encoded translation-related genes in response to nutrient availability during Acanthamoeba castellanii infection. Frontiers in Microbiology, 2015, 06, 539.	3.5	16
70	Acanthamoeba polyphaga Mimivirus Prevents Amoebal Encystment-Mediating Serine Proteinase Expression and Circumvents Cell Encystment. Journal of Virology, 2015, 89, 2962-2965.	3.4	16
71	Natural Vaccinia Virus Infection: Diagnosis, Isolation, and Characterization. Current Protocols in Microbiology, 2016, 42, 14A.5.1-14A.5.43.	6.5	16
72	Genome Characterization of the First Mimiviruses of Lineage C Isolated in Brazil. Frontiers in Microbiology, 2017, 8, 2562.	3.5	16

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73	Vaccinia Virus among Domestic Dogs and Wild Coatis, Brazil, 2013â€“2015. Emerging Infectious Diseases, 2018, 24, 2338-2342.	4.3	16
74	Vaccinia Virus in Blood Samples of Humans, Domestic and Wild Mammals in Brazil. Viruses, 2018, 10, 42.	3.3	16
75	Acanthamoeba polyphaga mimivirus Stability in Environmental and Clinical Substrates: Implications for Virus Detection and Isolation. PLoS ONE, 2014, 9, e87811.	2.5	16
76	Filling One More Gap: Experimental Evidence of Horizontal Transmission of Vaccinia Virus Between Bovines and Rodents. Vector-Borne and Zoonotic Diseases, 2012, 12, 61-64.	1.5	15
77	From Lesions to Viral Clones: Biological and Molecular Diversity amongst Autochthonous Brazilian Vaccinia Virus. Viruses, 2015, 7, 1218-1237.	3.3	15
78	Serro 2 Virus Highlights the Fundamental Genomic and Biological Features of a Natural Vaccinia Virus Infecting Humans. Viruses, 2016, 8, 328.	3.3	15
79	Microscopic Characterization of the Brazilian Giant Samba Virus. Viruses, 2017, 9, 30.	3.3	15
80	Detection of Vaccinia Virus in Urban Domestic Cats, Brazil. Emerging Infectious Diseases, 2017, 23, 360-362.	4.3	15
81	In-depth analysis of the replication cycle of Orpheovirus. Virology Journal, 2019, 16, 158.	3.4	15
82	A virophage cross-species infection through mutant selection represses giant virus propagation, promoting host cell survival. Communications Biology, 2020, 3, 248.	4.4	15
83	Looking back: a genetic retrospective study of Brazilian Orf virus isolates. Veterinary Record, 2012, 171, 476-476.	0.3	14
84	Group 2 Vaccinia Virus, Brazil. Emerging Infectious Diseases, 2012, 18, 2035-2038.	4.3	14
85	Rio Negro virophage: Sequencing of the near complete genome and transmission electron microscopy of viral factories and particles. Brazilian Journal of Microbiology, 2018, 49, 260-261.	2.0	14
86	Hypervirulence and cross-resistance to a clinical antifungal are induced by an environmental fungicide in Cryptococcus gattii. Science of the Total Environment, 2020, 740, 140135.	8.0	14
87	Intrafamilial Transmission of Vaccinia virus during a Bovine Vaccinia Outbreak in Brazil: A New Insight in Viral Transmission Chain. American Journal of Tropical Medicine and Hygiene, 2014, 90, 1021-1023.	1.4	13
88	Detection ofVaccinia Virusin Milk: Evidence of a Systemic and Persistent Infection in Experimentally Infected Cows. Foodborne Pathogens and Disease, 2015, 12, 898-903.	1.8	13
89	Alternative Routes of Zoonotic Vaccinia Virus Transmission, Brazil. Emerging Infectious Diseases, 2015, 21, 2244-2246.	4.3	13
90	High positivity of mimivirus in inanimate surfaces of a hospital respiratory-isolation facility, Brazil. Journal of Clinical Virology, 2015, 66, 62-65.	3.1	13

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91	Role of the R349 Gene and Its Repeats in the MIMIVIRE Defense System. Frontiers in Microbiology, 2019, 10, 1147.	3.5	13
92	Amoebas as mimivirus bunkers: increased resistance to UV light, heat and chemical biocides when viruses are carried by amoeba hosts. Archives of Virology, 2014, 159, 1039-43.	2.1	12
93	Detection of Vaccinia Virus in Dairy Cattle Serum Samples from 2009, Uruguay. Emerging Infectious Diseases, 2016, 22, 2174-2177.	4.3	12
94	c-Jun integrates signals from both MEK/ERK and MKK/JNK pathways upon vaccinia virus infection. Archives of Virology, 2017, 162, 2971-2981.	2.1	12
95	Analyses of the Kroon Virus Major Capsid Gene and Its Transcript Highlight a Distinct Pattern of Gene Evolution and Splicing among Mimiviruses. Journal of Virology, 2018, 92, .	3.4	12
96	Pristimerin isolated from Salacia crassifolia (Mart. Ex. Schult.) G. Don. (Celastraceae) roots as a potential antibacterial agent against Staphylococcus aureus. Journal of Ethnopharmacology, 2021, 266, 113423.	4.1	12
97	Mimiviruses and the Human Interferon System: Viral Evasion of Classical Antiviral Activities, But Inhibition By a Novel Interferon-Î² Regulated Immunomodulatory Pathway. Journal of Interferon and Cytokine Research, 2017, 37, 1-8.	1.2	11
98	Vaccinia virus in Feces and Urine of Wild Rodents from SÃ£o Paulo State, Brazil. Viruses, 2018, 10, 51.	3.3	11
99	Virus goes viral: an educational kit for virology classes. Virology Journal, 2020, 17, 13.	3.4	11
100	Vaccinia Virus in Household Environment during Bovine Vaccinia Outbreak, Brazil. Emerging Infectious Diseases, 2013, 19, 2045-7.	4.3	10
101	Horizontal study of vaccinia virus infections in an endemic area: epidemiologic, phylogenetic and economic aspects. Archives of Virology, 2015, 160, 2703-2708.	2.1	10
102	Occurrence of Pseudocowpox virus associated to Bovine viral diarrhea virus-1, Brazilian Amazon. Comparative Immunology, Microbiology and Infectious Diseases, 2016, 49, 70-75.	1.6	10
103	Acanthamoeba and mimivirus interactions: the role of amoebal encystment and the expansion of the â€˜Cheshire Catâ€™ theory. Current Opinion in Microbiology, 2016, 31, 9-15.	5.1	10
104	Virome analyses of Hevea brasiliensis using small RNA deep sequencing and PCR techniques reveal the presence of a potential new virus. Virology Journal, 2018, 15, 184.	3.4	10
105	Detection ofVaccinia Virusin Blood and Faeces of Experimentally Infected Cows. Transboundary and Emerging Diseases, 2013, 60, 552-555.	3.0	9
106	Outbreak of herpangina in the Brazilian Amazon in 2009 caused by Enterovirus B. Archives of Virology, 2014, 159, 1155-1157.	2.1	9
107	Growing a giant: Evaluation of the virological parameters for mimivirus production. Journal of Virological Methods, 2014, 207, 6-11.	2.1	9
108	Evaluating anti-Orthopoxvirus antibodies in individuals from Brazilian rural areas prior to the bovine vaccinia era. Memorias Do Instituto Oswaldo Cruz, 2015, 110, 804-808.	1.6	9

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109	Lack of evidence of mimivirus replication in human PBMCs. Microbes and Infection, 2018, 20, 281-283.	1.9	9
110	The morphogenesis of different giant viruses as additional evidence for a common origin of Nucleocytoviricota. Current Opinion in Virology, 2021, 49, 102-110.	5.4	9
111	Characterization of a New Vaccinia virus Isolate Reveals the C23L Gene as a Putative Genetic Marker for Autochthonous Group 1 Brazilian Vaccinia virus. PLoS ONE, 2012, 7, e50413.	2.5	8
112	Saudi Moumouvirus, the First Group B Mimivirus Isolated from Asia. Frontiers in Microbiology, 2016, 07, 2029.	3.5	8
113	Mimiviruses: Replication, Purification, and Quantification. Current Protocols in Microbiology, 2016, 41, 14G.1.1-14G.1.13.	6.5	8
114	A-type inclusion bodies: a factor influencing cowpox virus lesion pathogenesis. Archives of Virology, 2011, 156, 617-628.	2.1	7
115	Immune Modulation in PrimaryVaccinia virusZoonotic Human Infections. Clinical and Developmental Immunology, 2012, 2012, 1-11.	3.3	7
116	The detection of Vaccinia virus confirms the high circulation of Orthopoxvirus in buffaloes living in geographical isolation, MarajÃ³ Island, Brazilian Amazon. Comparative Immunology, Microbiology and Infectious Diseases, 2016, 46, 16-19.	1.6	7
117	Ocular Vaccinia Infection in Dairy Worker, Brazil. Emerging Infectious Diseases, 2018, 24, 161-162.	4.3	7
118	Translating the language of giants: translation-related genes as a major contribution of giant viruses to the virosphere. Archives of Virology, 2020, 165, 1267-1278.	2.1	7
119	Alohomora! What the entry mechanisms tell us about the evolution and diversification of giant viruses and their hosts. Current Opinion in Virology, 2021, 47, 79-85.	5.4	7
120	A subdose of fluconazole alters the virulence ofCryptococcus gattiiduring murine cryptococcosis and modulates type I interferon expression. Medical Mycology, 2017, 55, 203-212.	0.7	6
121	The Host Factor Early Growth Response Gene (EGR-1) Regulates Vaccinia virus Infectivity during Infection of Starved Mouse Cells. Viruses, 2018, 10, 140.	3.3	6
122	Serologic Evidence of Orthopoxvirus Infection in Buffaloes, Brazil. Emerging Infectious Diseases, 2011, 18, 698-700.	4.3	5
123	Amazonian Head Lice-Specific Genotypes Are Putatively Pre-Columbian. American Journal of Tropical Medicine and Hygiene, 2013, 88, 1180-1184.	1.4	5
124	Microbiota is an essential element for mice to initiate a protective immunity againstVaccinia virus. FEMS Microbiology Ecology, 2016, 92, fiv147.	2.7	5
125	The multiple origins of proteins present in tupanvirus particles. Current Opinion in Virology, 2019, 36, 25-31.	5.4	5
126	In-Depth Characterization of the Chikungunya Virus Replication Cycle. Journal of Virology, 2022, 96, JVI0173221.	3.4	5

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127	Cross-sectional study involving healthcare professionals in a Vaccinia virus endemic area. Vaccine, 2017, 35, 3281-3285.	3.8	4
128	Detection of mimivirus genome and neutralizing antibodies in humans from Brazil. Archives of Virology, 2017, 162, 3205-3207.	2.1	4
129	The Discovery of a New Mimivirus Isolate in Association with Virophage-Transpoviron Elements in Brazil Highlights the Main Genomic and Evolutionary Features of This Tripartite System. Viruses, 2022, 14, 206.	3.3	4
130	A Brief History of Giant Virusesâ€™ Studies in Brazilian Biomes. Viruses, 2022, 14, 191.	3.3	4
131	Vaccinia virus dissemination requires p21-activated kinase 1. Archives of Virology, 2016, 161, 2991-3002.	2.1	3
132	Absence of vaccinia virus detection in a remote region of the Northern Amazon forests, 2005-2015. Archives of Virology, 2017, 162, 2369-2373.	2.1	3
133	Isolation and genomic characterization of a new mimivirus of lineage B from a Brazilian river. Archives of Virology, 2020, 165, 853-863.	2.1	3
134	Comparative Analysis of Transcriptional Regulation Patterns: Understanding the Gene Expression Profile in Nucleocytoviricota. Pathogens, 2021, 10, 935.	2.8	3
135	â€œYaraviridaeâ€ a proposed new family of viruses infecting Acanthamoeba castellanii. Archives of Virology, 2022, 167, 711-715.	2.1	3
136	Isolation of Giant Viruses of Acanthamoeba castellanii. Current Protocols, 2022, 2, .	2.9	3
137	Could hantavirus circulation superpose areas of highly endemic vaccinia virus outbreaks? A retrospective seroepidemiological study in State of Minas Gerais. Revista Da Sociedade Brasileira De Medicina Tropical, 2014, 47, 778-782.	0.9	1
138	A Gateway into Understanding the Unique Vertex of Samba Virus. Microscopy and Microanalysis, 2018, 24, 1438-1439.	0.4	1
139	Microscopic Evidence for a Stargate Structure in the Giant Virus, Samba Virus.. Microscopy and Microanalysis, 2016, 22, 1114-1115.	0.4	0
140	The Secret Life of Giant Viruses in the California Current. MSystems, 2021, 6, e0075121.	3.8	0
141	Bovine Vaccinia Outbreaks: Detection and Isolation of Vaccinia Virus in Milk Samples. Foodborne Pathogens and Disease, 0, , 110306131211089.	1.8	0
142	Human variation in the protein receptor ACE2 affects its binding affinity to SARS-CoV-2 in a variant-dependent manner. Journal of Biomolecular Structure and Dynamics, 2023, 41, 2947-2955.	3.5	0