

Claudio L Afonso

List of Publications by Year in descending order

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122
papers

6,871
citations

71102

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79
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125
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125
docs citations

125
times ranked

4005
citing authors

#	ARTICLE	IF	CITATIONS
1	Virulence during Newcastle Disease Viruses Cross Species Adaptation. <i>Viruses</i> , 2021, 13, 110.	3.3	25
2	Surveillance and Genetic Characterization of Virulent Newcastle Disease Virus Subgenotype V.3 in Indigenous Chickens from Backyard Poultry Farms and Live Bird Markets in Kenya. <i>Viruses</i> , 2021, 13, 103.	3.3	15
3	A 24-Year-Old Sample Contributes the Complete Genome Sequence of Fowl Aviadenvirus D from the United States. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	2
4	Whole-Genome Sequence of <i>Avian coronavirus</i> from a 15-Year-Old Sample Confirms Evidence of GA08-like Strain Circulation 4 Years Prior to Its First Reported Outbreak. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	1
5	Near-Complete Genome Sequences of Five Siciniviruses from North America. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	3
6	A Novel Recombinant Newcastle Disease Vaccine Improves Post- In Ovo Vaccination Survival with Sustained Protection against Virulent Challenge. <i>Vaccines</i> , 2021, 9, 953.	4.4	4
7	Evaluation of chickens infected with a recombinant virulent NDV clone expressing chicken IL4. <i>Microbial Pathogenesis</i> , 2021, 159, 105116.	2.9	4
8	Novel Recombinant Newcastle Disease Virus-Based In Ovo Vaccines Bypass Maternal Immunity to Provide Full Protection from Early Virulent Challenge. <i>Vaccines</i> , 2021, 9, 1189.	4.4	3
9	A retrospective study of Newcastle disease in Kenya. <i>Tropical Animal Health and Production</i> , 2020, 52, 699-710.	1.4	15
10	Genetic characterization and pathogenesis of the first H9N2 low pathogenic avian influenza viruses isolated from chickens in Kenyan live bird markets. <i>Infection, Genetics and Evolution</i> , 2020, 78, 104074.	2.3	34
11	Genetic stability of a Newcastle disease virus vectored infectious laryngotracheitis virus vaccine after serial passages in chicken embryos. <i>Vaccine</i> , 2020, 38, 925-932.	3.8	9
12	Complete Genome Sequence of <i>Avian Coronavirus</i> Strain GA08 (GI-27 Lineage). <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	3
13	A 25-Year-Old Sample Contributes the Complete Genome Sequence of Avian Coronavirus Vaccine Strain ArkDPI, Reisolated from Commercial Broilers in the United States. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	1
14	Complete Genome Sequences of 11 Newcastle Disease Virus Isolates of Subgenotype VII.2 from Indonesia. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	2
15	Complete Coding Sequences of Three Chicken Parvovirus Isolates from the United States. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	1
16	First Complete Genome Sequence of a Subgenotype Vd Newcastle Disease Virus Isolate. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	10
17	Rapid, multiplexed, whole genome and plasmid sequencing of foodborne pathogens using long-read nanopore technology. <i>Scientific Reports</i> , 2019, 9, 16350.	3.3	49
18	Rapid evolution of Mexican H7N3 highly pathogenic avian influenza viruses in poultry. <i>PLoS ONE</i> , 2019, 14, e0222457.	2.5	20

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19	Global phylodynamic analysis of avian paramyxovirus-1 provides evidence of inter-host transmission and intercontinental spatial diffusion. <i>BMC Evolutionary Biology</i> , 2019, 19, 108.	3.2	38
20	Updated unified phylogenetic classification system and revised nomenclature for Newcastle disease virus. <i>Infection, Genetics and Evolution</i> , 2019, 74, 103917.	2.3	227
21	Virulent Newcastle disease viruses from chicken origin are more pathogenic and transmissible to chickens than viruses normally maintained in wild birds. <i>Veterinary Microbiology</i> , 2019, 235, 25-34.	1.9	31
22	Genomic comparison of Newcastle disease viruses isolated in Nigeria between 2002 and 2015 reveals circulation of highly diverse genotypes and spillover into wild birds. <i>Archives of Virology</i> , 2019, 164, 2031-2047.	2.1	28
23	Enhanced phylogenetic resolution of Newcastle disease outbreaks using complete viral genome sequences from formalin-fixed paraffin-embedded tissue samples. <i>Virus Genes</i> , 2019, 55, 502-512.	1.6	5
24	Pathogenicity and transmission of virulent Newcastle disease virus from the 2018–2019 California outbreak and related viruses in young and adult chickens. <i>Virology</i> , 2019, 531, 203-218.	2.4	28
25	Epidemiology, control, and prevention of Newcastle disease in endemic regions: Latin America. <i>Tropical Animal Health and Production</i> , 2019, 51, 1033-1048.	1.4	47
26	Presence of Newcastle disease viruses of sub-genotypes Vc and Vln in backyard chickens and in apparently healthy wild birds from Mexico in 2017. <i>Virus Genes</i> , 2019, 55, 479-489.	1.6	14
27	MinION sequencing to genotype US strains of infectious laryngotracheitis virus. <i>Avian Pathology</i> , 2019, 48, 255-269.	2.0	15
28	Detection of Fowlpox virus carrying distinct genome segments of Reticuloendotheliosis virus. <i>Virus Research</i> , 2019, 260, 53-59.	2.2	26
29	First Complete Genome Sequence of Currently Circulating Infectious Bronchitis Virus Strain DMV/1639 of the GI-17 Lineage. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	14
30	Experimental Infection and Transmission of Newcastle Disease Vaccine Virus in Four Wild Passerines. <i>Avian Diseases</i> , 2019, 63, 389.	1.0	4
31	Single-Nucleotide Polymorphism Analysis to Select Conserved Regions for an Improved Real-Time Reverse Transcription–PCR Test Specific for Newcastle Disease Virus. <i>Avian Diseases</i> , 2019, 63, 625.	1.0	8
32	Pathology and Distribution of Velogenic Viscerotropic Newcastle Disease Virus in the Reproductive System of Vaccinated and Unvaccinated Laying Hens (<i>Gallus gallus domesticus</i>) by Immunohistochemical Labelling. <i>Journal of Comparative Pathology</i> , 2018, 159, 36-48.	0.4	12
33	Draft Genome Sequences of Five Novel <i>Ochrobactrum</i> spp. Isolated from Different Avian Hosts in Nigeria. <i>Genome Announcements</i> , 2018, 6, .	0.8	5
34	Intracellular fixation buffer inactivates Newcastle disease virus in chicken allantoic fluid, macrophages and splenocytes. <i>Journal of Virological Methods</i> , 2018, 251, 1-6.	2.1	1
35	Rapid virulence prediction and identification of Newcastle disease virus genotypes using third-generation sequencing. <i>Virology Journal</i> , 2018, 15, 179.	3.4	25
36	First Genome Sequence of Newcastle Disease Virus of Genotype VIIi from Jordan. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	7

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37	Draft Genome Sequences of Three <i>Ochrobactrum</i> spp. Isolated from Different Avian Hosts in Pakistan. <i>Genome Announcements</i> , 2018, 6, .	0.8	2
38	Whole-genome sequencing of genotype VI Newcastle disease viruses from formalin-fixed paraffin-embedded tissues from wild pigeons reveals continuous evolution and previously unrecognized genetic diversity in the U.S.. <i>Virology Journal</i> , 2018, 15, 9.	3.4	31
39	Genome-wide analysis reveals class and gene specific codon usage adaptation in avian paramyxoviruses 1. <i>Infection, Genetics and Evolution</i> , 2017, 50, 28-37.	2.3	19
40	Natural Infections With Pigeon Paramyxovirus Serotype 1: Pathologic Changes in Eurasian Collared-Doves (<i>Streptopelia decaocto</i>) and Rock Pigeons (<i>Columba livia</i>) in the United States. <i>Veterinary Pathology</i> , 2017, 54, 695-703.	1.7	11
41	A robust and cost-effective approach to sequence and analyze complete genomes of small RNA viruses. <i>Virology Journal</i> , 2017, 14, 72.	3.4	75
42	Reverse Genetics of Newcastle Disease Virus. <i>Methods in Molecular Biology</i> , 2017, 1602, 141-158.	0.9	12
43	Repeated isolation of virulent Newcastle disease viruses in poultry and captive non-poultry avian species in Pakistan from 2011 to 2016. <i>Preventive Veterinary Medicine</i> , 2017, 142, 1-6.	1.9	42
44	Complete Genome Sequences of Four Avian Paramyxoviruses of Serotype 10 Isolated from Rockhopper Penguins on the Falkland Islands. <i>Genome Announcements</i> , 2017, 5, .	0.8	7
45	Newcastle disease vaccines—A solved problem or a continuous challenge?. <i>Veterinary Microbiology</i> , 2017, 206, 126-136.	1.9	239
46	Assessment of contemporary genetic diversity and inter-taxa/inter-region exchange of avian paramyxovirus serotype 1 in wild birds sampled in North America. <i>Virology Journal</i> , 2017, 14, 43.	3.4	17
47	Repeated Challenge with Virulent Newcastle Disease Virus Does Not Decrease the Efficacy of Vaccines. <i>Avian Diseases</i> , 2017, 61, 245-249.	1.0	6
48	Phylogenetic assessment reveals continuous evolution and circulation of pigeon-derived virulent avian avulaviruses 1 in Eastern Europe, Asia, and Africa. <i>BMC Veterinary Research</i> , 2017, 13, 291.	1.9	44
49	Risk factors for the transmission of infectious diseases agents at the wild birds -commercial birds interface. A pilot study in the region of the altos de Jalisco, Mexico. <i>Bulletin De L'Academie Veterinaire De France</i> , 2017, , 142.	0.0	5
50	Complete Genome Sequence of a Virulent Newcastle Disease Virus Strain Isolated from a Clinically Healthy Duck (<i>Anas platyrhynchos domesticus</i>) in Pakistan. <i>Genome Announcements</i> , 2016, 4, .	0.8	5
51	Complete Genome Sequence of Genotype VI Newcastle Disease Viruses Isolated from Pigeons in Pakistan. <i>Genome Announcements</i> , 2016, 4, .	0.8	6
52	H9N2 low pathogenic avian influenza in Pakistan (2012–2015). <i>Veterinary Record Open</i> , 2016, 3, e000171.	1.0	24
53	Complete Genome Sequence of an Avian Paramyxovirus Representative of Putative New Serotype 13. <i>Genome Announcements</i> , 2016, 4, .	0.8	21
54	Taxonomy of the order Mononegavirales: update 2016. <i>Archives of Virology</i> , 2016, 161, 2351-2360.	2.1	407

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55	Pathogenesis of New Strains of Newcastle Disease Virus From Israel and Pakistan. <i>Veterinary Pathology</i> , 2016, 53, 792-796.	1.7	17
56	Complete Genome Sequence of a Genotype XVII Newcastle Disease Virus, Isolated from an Apparently Healthy Domestic Duck in Nigeria. <i>Genome Announcements</i> , 2016, 4, .	0.8	15
57	Identification and Complete Genome Sequence Analysis of a Genotype XIV Newcastle Disease Virus from Nigeria. <i>Genome Announcements</i> , 2016, 4, .	0.8	5
58	Repeated isolation of virulent Newcastle disease viruses of sub-genotype VIId from backyard chickens in Bulgaria and Ukraine between 2002 and 2013. <i>Archives of Virology</i> , 2016, 161, 3345-3353.	2.1	22
59	Reply to "May Newly Defined Subgenotypes Va and Vb of Newcastle Disease Virus in Poultry Be Considered Two Different Genotypes?" <i>Journal of Clinical Microbiology</i> , 2016, 54, 2205-2206.	3.9	1
60	Derivation of chicken induced pluripotent stem cells tolerant to Newcastle disease virus-induced lysis through multiple rounds of infection. <i>Virology Journal</i> , 2016, 13, 205.	3.4	8
61	Identification of Avian Paramyxovirus Serotype-1 in Wild Birds in the USA. <i>Journal of Wildlife Diseases</i> , 2016, 52, 657.	0.8	11
62	Effect of Infection with a Mesogenic Strain of Newcastle Disease Virus on Infection with Highly Pathogenic Avian Influenza Virus in Chickens. <i>Avian Diseases</i> , 2016, 60, 269-278.	1.0	7
63	Temporal, geographic, and host distribution of avian paramyxovirus 1 (Newcastle disease virus). <i>Infection, Genetics and Evolution</i> , 2016, 39, 22-34.	2.3	216
64	Newcastle Disease Viruses Causing Recent Outbreaks Worldwide Show Unexpectedly High Genetic Similarity to Historical Virulent Isolates from the 1940s. <i>Journal of Clinical Microbiology</i> , 2016, 54, 1228-1235.	3.9	39
65	Neuropathogenic Capacity of Lentogenic, Mesogenic, and Velogenic Newcastle Disease Virus Strains in Day-Old Chickens. <i>Veterinary Pathology</i> , 2016, 53, 53-64.	1.7	25
66	Development, characterization and optimization of a new suspension chicken-induced pluripotent cell line for the production of Newcastle disease vaccine. <i>Biologicals</i> , 2016, 44, 24-32.	1.4	18
67	Effects of Chicken Interferon Gamma on Newcastle Disease Virus Vaccine Immunogenicity. <i>PLoS ONE</i> , 2016, 11, e0159153.	2.5	22
68	Presence of Vaccine-Derived Newcastle Disease Viruses in Wild Birds. <i>PLoS ONE</i> , 2016, 11, e0162484.	2.5	52
69	International Biological Engagement Programs Facilitate Newcastle Disease Epidemiological Studies. <i>Frontiers in Public Health</i> , 2015, 3, 235.	2.7	29
70	Presence of Virulent Newcastle Disease Virus in Vaccinated Chickens in Farms in Pakistan. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1715-1718.	3.9	63
71	Expression of chicken interleukin-2 by a highly virulent strain of Newcastle disease virus leads to decreased systemic viral load but does not significantly affect mortality in chickens. <i>Virology Journal</i> , 2015, 12, 122.	3.4	26
72	Experimental co-infections of domestic ducks with a virulent Newcastle disease virus and low or highly pathogenic avian influenza viruses. <i>Veterinary Microbiology</i> , 2015, 177, 7-17.	1.9	33

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73	Complete Genome Sequence of a Recent Panzootic Virulent Newcastle Disease Virus from Pakistan. <i>Genome Announcements</i> , 2015, 3, .	0.8	11
74	Previous infection with virulent strains of Newcastle disease virus reduces highly pathogenic avian influenza virus replication, disease, and mortality in chickens. <i>Veterinary Research</i> , 2015, 46, 97.	3.0	21
75	Development of an improved vaccine evaluation protocol to compare the efficacy of Newcastle disease vaccines. <i>Biologicals</i> , 2015, 43, 136-145.	1.4	39
76	Identification of new sub-genotypes of virulent Newcastle disease virus with potential panzootic features. <i>Infection, Genetics and Evolution</i> , 2015, 29, 216-229.	2.3	159
77	Separate Evolution of Virulent Newcastle Disease Viruses from Mexico and Central America. <i>Journal of Clinical Microbiology</i> , 2014, 52, 1382-1390.	3.9	23
78	Avian Paramyxovirus Serotype 1 (Newcastle Disease Virus), Avian Influenza Virus, and <i>Salmonella</i> spp. in Mute Swans (<i>Cygnus olor</i>) in the Great Lakes Region and Atlantic Coast of the United States. <i>Avian Diseases</i> , 2014, 58, 129-136.	1.0	11
79	Wild Bird Surveillance for Avian Paramyxoviruses in the Azov-Black Sea Region of Ukraine (2006 to) Tj ETQq1 1 0.784314 rgBT /Overlook <i>Microbiology</i> , 2014, 80, 5427-5438.	3.1	26
80	Newcastle Disease Virus. , 2014, , 689-702.		5
81	Effects of Newcastle disease virus vaccine antibodies on the shedding and transmission of challenge viruses. <i>Developmental and Comparative Immunology</i> , 2013, 41, 505-513.	2.3	147
82	Genetic diversity and mutation of avian paramyxovirus serotype 1 (Newcastle disease virus) in wild birds and evidence for intercontinental spread. <i>Archives of Virology</i> , 2013, 158, 2495-2503.	2.1	53
83	Expression of interferon gamma by a highly virulent strain of Newcastle disease virus decreases its pathogenicity in chickens. <i>Microbial Pathogenesis</i> , 2013, 61-62, 73-83.	2.9	46
84	Newcastle disease virus fusion and haemagglutinin-neuraminidase proteins contribute to its macrophage host range. <i>Journal of General Virology</i> , 2013, 94, 1189-1194.	2.9	29
85	Immune responses of poultry to Newcastle disease virus. <i>Developmental and Comparative Immunology</i> , 2013, 41, 447-453.	2.3	239
86	Complete Genome Sequences of New Emerging Newcastle Disease Virus Strains Isolated from China. <i>Genome Announcements</i> , 2013, 1, .	0.8	4
87	Molecular Epidemiology of Newcastle Disease in Mexico and the Potential Spillover of Viruses from Poultry into Wild Bird Species. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4985-4992.	3.1	61
88	Highly Divergent Virulent Isolates of Newcastle Disease Virus from the Dominican Republic Are Members of a New Genotype That May Have Evolved Unnoticed for Over 2 Decades. <i>Journal of Clinical Microbiology</i> , 2013, 51, 508-517.	3.9	88
89	Newcastle Disease: Progress and Gaps in the Development of Vaccines and Diagnostic Tools. <i>Developments in Biologicals</i> , 2013, 135, 95-106.	0.5	16
90	Complete Genome and Clinicopathological Characterization of a Virulent Newcastle Disease Virus Isolate from South America. <i>Journal of Clinical Microbiology</i> , 2012, 50, 378-387.	3.9	75

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91	Biological and Phylogenetic Characterization of a Genotype VII Newcastle Disease Virus from Venezuela: Efficacy of Field Vaccination. <i>Journal of Clinical Microbiology</i> , 2012, 50, 1204-1208.	3.9	62
92	Characterization of Live LaSota Vaccine Strain-Induced Protection in Chickens upon Early Challenge with a Virulent Newcastle Disease Virus of Heterologous Genotype. <i>Avian Diseases</i> , 2012, 56, 464-470.	1.0	64
93	Characterization of Newcastle Disease Viruses Isolated from Cormorant and Gull Species in the United States in 2010. <i>Avian Diseases</i> , 2012, 56, 128-133.	1.0	55
94	Genetic diversity of avian paramyxovirus type 1: Proposal for a unified nomenclature and classification system of Newcastle disease virus genotypes. <i>Infection, Genetics and Evolution</i> , 2012, 12, 1770-1779.	2.3	323
95	Virulent Newcastle disease virus elicits a strong innate immune response in chickens. <i>Journal of General Virology</i> , 2011, 92, 931-939.	2.9	125
96	Newcastle disease: Evolution of genotypes and the related diagnostic challenges. <i>Infection, Genetics and Evolution</i> , 2010, 10, 26-35.	2.3	330
97	Evolutionary Changes Affecting Rapid Identification of 2008 Newcastle Disease Viruses Isolated from Double-Crested Cormorants. <i>Journal of Clinical Microbiology</i> , 2010, 48, 2440-2448.	3.9	38
98	Evidence for a New Avian Paramyxovirus Serotype 10 Detected in Rockhopper Penguins from the Falkland Islands. <i>Journal of Virology</i> , 2010, 84, 11496-11504.	3.4	116
99	Phylogenetic and Biological Characterization of Newcastle Disease Virus Isolates from Pakistan. <i>Journal of Clinical Microbiology</i> , 2010, 48, 1892-1894.	3.9	71
100	Evolutionary dynamics of Newcastle disease virus. <i>Virology</i> , 2009, 391, 64-72.	2.4	145
101	Genomic comparison of the complete coding and intergenic regions of the VG/GA Newcastle disease virus and its respirotropic clone 5. <i>Virus Genes</i> , 2008, 37, 161-167.	1.6	4
102	Detection of a Broad Range of Class I and II Newcastle Disease Viruses Using a Multiplex Real-Time Reverse Transcription Polymerase Chain Reaction Assay. <i>Journal of Veterinary Diagnostic Investigation</i> , 2008, 20, 414-425.	1.1	68
103	Not So Fast on Recombination Analysis of Newcastle Disease Virus. <i>Journal of Virology</i> , 2008, 82, 9303-9303.	3.4	21
104	Biological and Phylogenetic Characterization of Pigeon Paramyxovirus Serotype 1 Circulating in Wild North American Pigeons and Doves. <i>Journal of Clinical Microbiology</i> , 2008, 46, 3303-3310.	3.9	88
105	Biological and Phylogenetic Characterization of Virulent Newcastle Disease Virus Circulating in Mexico. <i>Avian Diseases</i> , 2008, 52, 472-479.	1.0	34
106	Primary chicken tracheal cell culture system for the study of infection with avian respiratory viruses. <i>Avian Pathology</i> , 2008, 37, 25-31.	2.0	23
107	Characterization of Class I Newcastle Disease Virus Isolates from Hong Kong Live Bird Markets and Detection Using Real-Time Reverse Transcription-PCR. <i>Journal of Clinical Microbiology</i> , 2007, 45, 1310-1314.	3.9	118
108	Antigenic differences among Newcastle disease virus strains of different genotypes used in vaccine formulation affect viral shedding after a virulent challenge. <i>Vaccine</i> , 2007, 25, 7238-7246.	3.8	229

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109	Phylogenetic Diversity among Low-Virulence Newcastle Disease Viruses from Waterfowl and Shorebirds and Comparison of Genotype Distributions to Those of Poultry-Origin Isolates. <i>Journal of Virology</i> , 2007, 81, 12641-12653.	3.4	200
110	Sequencing of avian influenza virus genomes following random amplification. <i>BioTechniques</i> , 2007, 43, 188-192.	1.8	8
111	Effect of Probe-Site Mismatches on Detection of Virulent Newcastle Disease Viruses Using a Fusion-Gene Real-Time Reverse Transcription Polymerase Chain Reaction Test. <i>Journal of Veterinary Diagnostic Investigation</i> , 2006, 18, 519-528.	1.1	46
112	Genome of Crocodilepox Virus. <i>Journal of Virology</i> , 2006, 80, 4978-4991.	3.4	60
113	African Swine Fever Virus Multigene Family 360 and 530 Genes Affect Host Interferon Response. <i>Journal of Virology</i> , 2004, 78, 1858-1864.	3.4	165
114	The Genome of Swinepox Virus. <i>Journal of Virology</i> , 2002, 76, 783-790.	3.4	93
115	The Genome of Camelpox Virus. <i>Virology</i> , 2002, 295, 1-9.	2.4	84
116	Genome Sequence of a Baculovirus Pathogenic for <i>Culex nigripalpus</i> . <i>Journal of Virology</i> , 2001, 75, 11157-11165.	3.4	155
117	The Genome of Turkey Herpesvirus. <i>Journal of Virology</i> , 2001, 75, 971-978.	3.4	119
118	The Genome of Fowlpox Virus. <i>Journal of Virology</i> , 2000, 74, 3815-3831.	3.4	290
119	The Genome of <i>Melanoplus sanguinipes</i> Entomopoxvirus. <i>Journal of Virology</i> , 1999, 73, 533-552.	3.4	189
120	African swine fever virus NL gene is not required for virus virulence.. <i>Journal of General Virology</i> , 1998, 79, 2543-2547.	2.9	54
121	An African swine fever virus Bc1-2 homolog, 5-HL, suppresses apoptotic cell death. <i>Journal of Virology</i> , 1996, 70, 4858-4863.	3.4	100
122	Genome Sequence Variations of Infectious Bronchitis Virus Serotypes From Commercial Chickens in Mexico. <i>Frontiers in Veterinary Science</i> , 0, 9, .	2.2	15