Claudio L Afonso

List of Publications by Year
in descending order

128 papers	7,112 citations	65103 42 h-index	63582 80 g-index
132 all docs	132 docs citations	132 times ranked	4918 citing authors

#	Article	IF	Citations
1	Non-Targeted RNA Sequencing: Towards the Development of Universal Clinical Diagnosis Methods for Human and Veterinary Infectious Diseases. Veterinary Sciences, 2024, 11, 239.	1.7	0
2	Unique Variants of Avian Coronaviruses from Indigenous Chickens in Kenya. Viruses, 2023, 15, 264.	3.4	8
3	Complete Genome Sequence of an Avian Orthoavulavirus 13 Strain Detected in Ukraine. Microbiology Resource Announcements, 2023, 12, .	2.0	0
4	Complete Genome Sequences of Avian Metapneumovirus Subtype B Vaccine Strains from Brazil. Microbiology Resource Announcements, 2023, 12, .	2.0	2
5	Complete genome sequence of seven virulent Newcastle disease virus isolates of sub-genotype XIII.1.1 from Tanzania. Microbiology Resource Announcements, 2023, 12, .	2.0	1
6	Next-Generation Sequencing for the Detection of Microbial Agents in Avian Clinical Samples. Veterinary Sciences, 2023, 10, 690.	1.7	2
7	Detection and Genome Sequence Analysis of Avian Metapneumovirus Subtype A Viruses Circulating in Commercial Chicken Flocks in Mexico. Veterinary Sciences, 2022, 9, 579.	1.7	8
8	Virulence during Newcastle Disease Viruses Cross Species Adaptation. Viruses, 2021, 13, 110.	3.4	25
9	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. Viruses, 2021, 13, 103.	3.4	16
10	A 24-Year-Old Sample Contributes the Complete Genome Sequence of Fowl Aviadenovirus D from the United States. Microbiology Resource Announcements, 2021, 10, .	2.0	2
11	Whole-Genome Sequence of Avian coronavirus from a 15-Year-Old Sample Confirms Evidence of GA08-like Strain Circulation 4 Years Prior to Its First Reported Outbreak. Microbiology Resource Announcements, 2021, 10, .	2.0	1
12	Near-Complete Genome Sequences of Five Siciniviruses from North America. Microbiology Resource Announcements, 2021, 10, .	2.0	3
13	A Novel Recombinant Newcastle Disease Vaccine Improves Post- In Ovo Vaccination Survival with Sustained Protection against Virulent Challenge. Vaccines, 2021, 9, 953.	4.5	4
14	Evaluation of chickens infected with a recombinant virulent NDV clone expressing chicken IL4. Microbial Pathogenesis, 2021, 159, 105116.	2.9	4
15	Novel Recombinant Newcastle Disease Virus-Based In Ovo Vaccines Bypass Maternal Immunity to Provide Full Protection from Early Virulent Challenge. Vaccines, 2021, 9, 1189.	4.5	4
16	A retrospective study of Newcastle disease in Kenya. Tropical Animal Health and Production, 2020, 52, 699-710.	1.4	19
17	Genetic characterization and pathogenesis of the first H9N2 low pathogenic avian influenza viruses isolated from chickens in Kenyan live bird markets. Infection, Genetics and Evolution, 2020, 78, 104074.	2.3	35
18	Genetic stability of a Newcastle disease virus vectored infectious laryngotracheitis virus vaccine after serial passages in chicken embryos. Vaccine, 2020, 38, 925-932.	4.0	10

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19	Complete Genome Sequence of Avian Coronavirus Strain GA08 (GI-27 Lineage). Microbiology Resource Announcements, 2020, 9, .	2.0	3
20	A 25-Year-Old Sample Contributes the Complete Genome Sequence of Avian Coronavirus Vaccine Strain ArkDPI, Reisolated from Commercial Broilers in the United States. Microbiology Resource Announcements, 2020, 9, .	2.0	2
21	Complete Genome Sequences of 11 Newcastle Disease Virus Isolates of Subgenotype VII.2 from Indonesia. Microbiology Resource Announcements, 2020, 9, .	2.0	2
22	Complete Coding Sequences of Three Chicken Parvovirus Isolates from the United States. Microbiology Resource Announcements, 2020, 9, .	2.0	1
23	First Complete Genome Sequence of a Subgenotype Vd Newcastle Disease Virus Isolate. Microbiology Resource Announcements, 2019, 8, .	2.0	11
24	Rapid, multiplexed, whole genome and plasmid sequencing of foodborne pathogens using long-read nanopore technology. Scientific Reports, 2019, 9, 16350.	3.4	51
25	Rapid evolution of Mexican H7N3 highly pathogenic avian influenza viruses in poultry. PLoS ONE, 2019, 14, e0222457.	2.5	21
26	Global phylodynamic analysis of avian paramyxovirus-1 provides evidence of inter-host transmission and intercontinental spatial diffusion. BMC Evolutionary Biology, 2019, 19, 108.	3.1	42
27	Updated unified phylogenetic classification system and revised nomenclature for Newcastle disease virus. Infection, Genetics and Evolution, 2019, 74, 103917.	2.3	248
28	Virulent Newcastle disease viruses from chicken origin are more pathogenic and transmissible to chickens than viruses normally maintained in wild birds. Veterinary Microbiology, 2019, 235, 25-34.	1.9	33
29	Genomic comparison of Newcastle disease viruses isolated in Nigeria between 2002 and 2015 reveals circulation of highly diverse genotypes and spillover into wild birds. Archives of Virology, 2019, 164, 2031-2047.	1.9	30
30	Enhanced phylogenetic resolution of Newcastle disease outbreaks using complete viral genome sequences from formalin-fixed paraffin-embedded tissue samples. Virus Genes, 2019, 55, 502-512.	1.8	5
31	Pathogenicity and transmission of virulent Newcastle disease virus from the 2018â€“2019 California outbreak and related viruses in young and adult chickens. Virology, 2019, 531, 203-218.	2.5	31
32	Epidemiology, control, and prevention of Newcastle disease in endemic regions: Latin America. Tropical Animal Health and Production, 2019, 51, 1033-1048.	1.4	53
33	Presence of Newcastle disease viruses of sub-genotypes Vc and VIn in backyard chickens and in apparently healthy wild birds from Mexico in 2017. Virus Genes, 2019, 55, 479-489.	1.8	15
34	MinION sequencing to genotype US strains of infectious laryngotracheitis virus. Avian Pathology, 2019, 48, 255-269.	2.0	16
35	Detection of Fowlpox virus carrying distinct genome segments of Reticuloendotheliosis virus. Virus Research, 2019, 260, 53-59.	2.3	26
36	First Complete Genome Sequence of Currently Circulating Infectious Bronchitis Virus Strain DMV/1639 of the GI-17 Lineage. Microbiology Resource Announcements, 2019, 8, .	2.0	14

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37	Experimental Infection and Transmission of Newcastle Disease Vaccine Virus in Four Wild Passerines. Avian Diseases, 2019, 63, 389.	1.2	4
38	Single-Nucleotide Polymorphism Analysis to Select Conserved Regions for an Improved Real-Time Reverse Transcriptionâ€“PCR Test Specific for Newcastle Disease Virus. Avian Diseases, 2019, 63, 625.	1.2	9
39	Pathology and Distribution of Velogenic Viscerotropic Newcastle Disease Virus in the Reproductive System of Vaccinated and Unvaccinated Laying Hens (Gallus gallus domesticus) by Immunohistochemical Labelling. Journal of Comparative Pathology, 2018, 159, 36-48.	0.3	13
40	Draft Genome Sequences of Five Novel Ochrobactrum spp. Isolated from Different Avian Hosts in Nigeria. Genome Announcements, 2018, 6, .	0.8	5
41	Intracellular fixation buffer inactivates Newcastle disease virus in chicken allantoic fluid, macrophages and splenocytes. Journal of Virological Methods, 2018, 251, 1-6.	2.1	1
42	Rapid virulence prediction and identification of Newcastle disease virus genotypes using third-generation sequencing. Virology Journal, 2018, 15, 179.	3.6	25
43	First Genome Sequence of Newcastle Disease Virus of Genotype VIIi from Jordan. Microbiology Resource Announcements, 2018, 7, .	2.0	7
44	Draft Genome Sequences of Three Ochrobactrum spp. Isolated from Different Avian Hosts in Pakistan. Genome Announcements, 2018, 6, .	0.8	2
45	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.. Virology Journal, 2018, 15, 9.	3.6	32
46	Genome-wide analysis reveals class and gene specific codon usage adaptation in avian paramyxoviruses 1. Infection, Genetics and Evolution, 2017, 50, 28-37.	2.3	19
47	Natural Infections With Pigeon Paramyxovirus Serotype 1: Pathologic Changes in Eurasian Collared-Doves (Streptopelia decaocto) and Rock Pigeons (Columba livia) in the United States. Veterinary Pathology, 2017, 54, 695-703.	2.0	11
48	A robust and cost-effective approach to sequence and analyze complete genomes of small RNA viruses. Virology Journal, 2017, 14, 72.	3.6	78
49	Reverse Genetics of Newcastle Disease Virus. Methods in Molecular Biology, 2017, 1602, 141-158.	0.0	12
50	Repeated isolation of virulent Newcastle disease viruses in poultry and captive non-poultry avian species in Pakistan from 2011 to 2016. Preventive Veterinary Medicine, 2017, 142, 1-6.	1.9	43
51	Complete Genome Sequences of Four Avian Paramyxoviruses of Serotype 10 Isolated from Rockhopper Penguins on the Falkland Islands. Genome Announcements, 2017, 5, .	0.8	7
52	Newcastle disease vaccinesâ€”A solved problem or a continuous challenge?. Veterinary Microbiology, 2017, 206, 126-136.	1.9	251
53	Assessment of contemporary genetic diversity and inter-taxa/inter-region exchange of avian paramyxovirus serotype 1 in wild birds sampled in North America. Virology Journal, 2017, 14, 43.	3.6	18
54	Repeated Challenge with Virulent Newcastle Disease Virus Does Not Decrease the Efficacy of Vaccines. Avian Diseases, 2017, 61, 245-249.	1.2	8

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55	Phylogenetic assessment reveals continuous evolution and circulation of pigeon-derived virulent avian avulaviruses 1 in Eastern Europe, Asia, and Africa. BMC Veterinary Research, 2017, 13, 291.	2.0	45
56	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. Bulletin De L'Academie Veterinaire De France, 2017, 170, 142-150.	0.1	6
57	Complete Genome Sequence of a Virulent Newcastle Disease Virus Strain Isolated from a Clinically Healthy Duck (Anas platyrhynchos domesticus) in Pakistan. Genome Announcements, 2016, 4, .	0.8	5
58	Complete Genome Sequence of Genotype VI Newcastle Disease Viruses Isolated from Pigeons in Pakistan. Genome Announcements, 2016, 4, .	0.8	6
59	H9N2 low pathogenic avian influenza in Pakistan (2012â€“2015). Veterinary Record Open, 2016, 3, e000171.	1.0	26
60	Complete Genome Sequence of an Avian Paramyxovirus Representative of Putative New Serotype 13. Genome Announcements, 2016, 4, .	0.8	22
61	Taxonomy of the order Mononegavirales: update 2016. Archives of Virology, 2016, 161, 2351-2360.	1.9	416
62	Pathogenesis of New Strains of Newcastle Disease Virus From Israel and Pakistan. Veterinary Pathology, 2016, 53, 792-796.	2.0	18
63	Complete Genome Sequence of a Genotype XVII Newcastle Disease Virus, Isolated from an Apparently Healthy Domestic Duck in Nigeria. Genome Announcements, 2016, 4, .	0.8	16
64	Identification and Complete Genome Sequence Analysis of a Genotype XIV Newcastle Disease Virus from Nigeria. Genome Announcements, 2016, 4, .	0.8	5
65	Repeated isolation of virulent Newcastle disease viruses of sub-genotype VIId from backyard chickens in Bulgaria and Ukraine between 2002 and 2013. Archives of Virology, 2016, 161, 3345-3353.	1.9	23
66	Reply to â€œMay Newly Defined Subgenotypes Va and Vb of Newcastle Disease Virus in Poultry Be Considered Two Different Genotypes?â€• Journal of Clinical Microbiology, 2016, 54, 2205-2206.	4.4	1
67	Derivation of chicken induced pluripotent stem cells tolerant to Newcastle disease virus-induced lysis through multiple rounds of infection. Virology Journal, 2016, 13, 205.	3.6	10
68	Identification of Avian Paramyxovirus Serotype-1 in Wild Birds in the USA. Journal of Wildlife Diseases, 2016, 52, 657.	0.8	11
69	Effect of Infection with a Mesogenic Strain of Newcastle Disease Virus on Infection with Highly Pathogenic Avian Influenza Virus in Chickens. Avian Diseases, 2016, 60, 269-278.	1.2	7
70	Temporal, geographic, and host distribution of avian paramyxovirus 1 (Newcastle disease virus). Infection, Genetics and Evolution, 2016, 39, 22-34.	2.3	223
71	Newcastle Disease Viruses Causing Recent Outbreaks Worldwide Show Unexpectedly High Genetic Similarity to Historical Virulent Isolates from the 1940s. Journal of Clinical Microbiology, 2016, 54, 1228-1235.	4.4	40
72	Neuropathogenic Capacity of Lentogenic, Mesogenic, and Velogenic Newcastle Disease Virus Strains in Day-Old Chickens. Veterinary Pathology, 2016, 53, 53-64.	2.0	27

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73	Development, characterization and optimization of a new suspension chicken-induced pluripotent cell line for the production of Newcastle disease vaccine. Biologicals, 2016, 44, 24-32.	1.4	22
74	Effects of Chicken Interferon Gamma on Newcastle Disease Virus Vaccine Immunogenicity. PLoS ONE, 2016, 11, e0159153.	2.5	22
75	Presence of Vaccine-Derived Newcastle Disease Viruses in Wild Birds. PLoS ONE, 2016, 11, e0162484.	2.5	55
76	International Biological Engagement Programs Facilitate Newcastle Disease Epidemiological Studies. Frontiers in Public Health, 2015, 3, 235.	2.8	30
77	Presence of Virulent Newcastle Disease Virus in Vaccinated Chickens in Farms in Pakistan. Journal of Clinical Microbiology, 2015, 53, 1715-1718.	4.4	63
78	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. Virology Journal, 2015, 12, 122.	3.6	30
79	Experimental co-infections of domestic ducks with a virulent Newcastle disease virus and low or highly pathogenic avian influenza viruses. Veterinary Microbiology, 2015, 177, 7-17.	1.9	33
80	Complete Genome Sequence of a Recent Panzootic Virulent Newcastle Disease Virus from Pakistan. Genome Announcements, 2015, 3, .	0.8	11
81	Previous infection with virulent strains of Newcastle disease virus reduces highly pathogenic avian influenza virus replication, disease, and mortality in chickens. Veterinary Research, 2015, 46, 97.	3.1	22
82	Development of an improved vaccine evaluation protocol to compare the efficacy of Newcastle disease vaccines. Biologicals, 2015, 43, 136-145.	1.4	39
83	Identification of new sub-genotypes of virulent Newcastle disease virus with potential panzootic features. Infection, Genetics and Evolution, 2015, 29, 216-229.	2.3	166
84	Separate Evolution of Virulent Newcastle Disease Viruses from Mexico and Central America. Journal of Clinical Microbiology, 2014, 52, 1382-1390.	4.4	23
85	Avian Paramyxovirus Serotype 1 (Newcastle Disease Virus), Avian Influenza Virus, andSalmonellaspp. in Mute Swans (Cygnus olor) in the Great Lakes Region and Atlantic Coast of the United States. Avian Diseases, 2014, 58, 129-136.	1.2	11
86	Wild Bird Surveillance for Avian Paramyxoviruses in the Azov-Black Sea Region of Ukraine (2006 to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Microbiology, 2014, 80, 5427-5438.	3.2	28
87	Effects of Newcastle disease virus vaccine antibodies on the shedding and transmission of challenge viruses. Developmental and Comparative Immunology, 2013, 41, 505-513.	2.3	152
88	Genetic diversity and mutation of avian paramyxovirus serotype 1 (Newcastle disease virus) in wild birds and evidence for intercontinental spread. Archives of Virology, 2013, 158, 2495-2503.	1.9	55
89	Expression of interferon gamma by a highly virulent strain of Newcastle disease virus decreases its pathogenicity in chickens. Microbial Pathogenesis, 2013, 61-62, 73-83.	2.9	47
90	Newcastle disease virus fusion and haemagglutinin-neuraminidase proteins contribute to its macrophage host range. Journal of General Virology, 2013, 94, 1189-1194.	2.9	30

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91	Immune responses of poultry to Newcastle disease virus. Developmental and Comparative Immunology, 2013, 41, 447-453.	2.3	250
92	Complete Genome Sequences of New Emerging Newcastle Disease Virus Strains Isolated from China. Genome Announcements, 2013, 1, .	0.8	4
93	Molecular Epidemiology of Newcastle Disease in Mexico and the Potential Spillover of Viruses from Poultry into Wild Bird Species. Applied and Environmental Microbiology, 2013, 79, 4985-4992.	3.2	63
94	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. Journal of Clinical Microbiology, 2013, 51, 508-517.	4.4	88
95	Complete Genome and Clinicopathological Characterization of a Virulent Newcastle Disease Virus Isolate from South America. Journal of Clinical Microbiology, 2012, 50, 378-387.	4.4	77
96	Biological and Phylogenetic Characterization of a Genotype VII Newcastle Disease Virus from Venezuela: Efficacy of Field Vaccination. Journal of Clinical Microbiology, 2012, 50, 1204-1208.	4.4	64
97	Characterization of Live LaSota Vaccine Strainâ€“Induced Protection in Chickens upon Early Challenge with a Virulent Newcastle Disease Virus of Heterologous Genotype. Avian Diseases, 2012, 56, 464-470.	1.2	67
98	Characterization of Newcastle Disease Viruses Isolated from Cormorant and Gull Species in the United States in 2010. Avian Diseases, 2012, 56, 128-133.	1.2	59
99	Genetic diversity of avian paramyxovirus type 1: Proposal for a unified nomenclature and classification system of Newcastle disease virus genotypes. Infection, Genetics and Evolution, 2012, 12, 1770-1779.	2.3	329
100	Virulent Newcastle disease virus elicits a strong innate immune response in chickens. Journal of General Virology, 2011, 92, 931-939.	2.9	127
101	Newcastle disease: Evolution of genotypes and the related diagnostic challenges. Infection, Genetics and Evolution, 2010, 10, 26-35.	2.3	337
102	Evolutionary Changes Affecting Rapid Identification of 2008 Newcastle Disease Viruses Isolated from Double-Crested Cormorants. Journal of Clinical Microbiology, 2010, 48, 2440-2448.	4.4	38
103	Evidence for a New Avian Paramyxovirus Serotype 10 Detected in Rockhopper Penguins from the Falkland Islands. Journal of Virology, 2010, 84, 11496-11504.	3.5	118
104	Phylogenetic and Biological Characterization of Newcastle Disease Virus Isolates from Pakistan. Journal of Clinical Microbiology, 2010, 48, 1892-1894.	4.4	73
105	Evolutionary dynamics of Newcastle disease virus. Virology, 2009, 391, 64-72.	2.5	146
106	Genomic comparison of the complete coding and intergenic regions of the VG/GA Newcastle disease virus and its respirotropic clone 5. Virus Genes, 2008, 37, 161-167.	1.8	4
107	Detection of a Broad Range of Class I and II Newcastle Disease Viruses Using a Multiplex Real-Time Reverse Transcription Polymerase Chain Reaction Assay. Journal of Veterinary Diagnostic Investigation, 2008, 20, 414-425.	1.5	70
108	Not So Fast on Recombination Analysis of Newcastle Disease Virus. Journal of Virology, 2008, 82, 9303-9303.	3.5	22

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109	Biological and Phylogenetic Characterization of Pigeon Paramyxovirus Serotype 1 Circulating in Wild North American Pigeons and Doves. Journal of Clinical Microbiology, 2008, 46, 3303-3310.	4.4	89
110	Biological and Phylogenetic Characterization of Virulent Newcastle Disease Virus Circulating in Mexico. Avian Diseases, 2008, 52, 472-479.	1.2	34
111	Primary chicken tracheal cell culture system for the study of infection with avian respiratory viruses. Avian Pathology, 2008, 37, 25-31.	2.0	24
112	Characterization of Class I Newcastle Disease Virus Isolates from Hong Kong Live Bird Markets and Detection Using Real-Time Reverse Transcription-PCR. Journal of Clinical Microbiology, 2007, 45, 1310-1314.	4.4	119
113	Antigenic differences among Newcastle disease virus strains of different genotypes used in vaccine formulation affect viral shedding after a virulent challenge. Vaccine, 2007, 25, 7238-7246.	4.0	236
114	Phylogenetic Diversity among Low-Virulence Newcastle Disease Viruses from Waterfowl and Shorebirds and Comparison of Genotype Distributions to Those of Poultry-Origin Isolates. Journal of Virology, 2007, 81, 12641-12653.	3.5	204
115	Sequencing of avian influenza virus genomes following random amplification. BioTechniques, 2007, 43, 188-192.	1.8	8
116	Effect of Probe-Site Mismatches on Detection of Virulent Newcastle Disease Viruses Using a Fusion-Gene Real-Time Reverse Transcription Polymerase Chain Reaction Test. Journal of Veterinary Diagnostic Investigation, 2006, 18, 519-528.	1.5	48
117	Genome of Crocodilepox Virus. Journal of Virology, 2006, 80, 4978-4991.	3.5	62
118	African Swine Fever Virus Multigene Family 360 and 530 Genes Affect Host Interferon Response. Journal of Virology, 2004, 78, 1858-1864.	3.5	170
119	The Genome of Swinepox Virus. Journal of Virology, 2002, 76, 783-790.	3.5	95
120	The Genome of Camelpox Virus. Virology, 2002, 295, 1-9.	2.5	86
121	Genome Sequence of a Baculovirus Pathogenic for Culex nigripalpus. Journal of Virology, 2001, 75, 11157-11165.	3.5	157
122	The Genome of Turkey Herpesvirus. Journal of Virology, 2001, 75, 971-978.	3.5	119
123	The Genome of Fowlpox Virus. Journal of Virology, 2000, 74, 3815-3831.	3.5	297
124	The Genome of Melanoplus sanguinipes Entomopoxvirus. Journal of Virology, 1999, 73, 533-552.	3.5	191
125	African swine fever virus NL gene is not required for virus virulence.. Journal of General Virology, 1998, 79, 2543-2547.	2.9	56
126	Newcastle Disease Virus. , 0, , .		3

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127	Genome Sequence Variations of Infectious Bronchitis Virus Serotypes From Commercial Chickens in Mexico. Frontiers in Veterinary Science, 0, 9, .	2.3	17
128	Sequencing of historic samples provides complete coding sequences of chicken calicivirus from the United States. Microbiology Resource Announcements, 0, , .	2.0	0