Siba K Samal

List of Publications by Year
in descending order

114 papers	4,445 citations	108046 37 h-index	139680 61 g-index
126 all docs	126 docs citations	126 times ranked	2375 citing authors

#	Article	IF	Citations
1	Avian Paramyxoviruses as Vectors for Vaccine Development. Methods in Molecular Biology, 2022, 2411, 63-73.	0.4	0
2	Intranasal immunization with avian paramyxovirus type 3 expressing SARS-CoV-2 spike protein protects hamsters against SARS-CoV-2. Npj Vaccines, 2022, 7, .	2.9	7
3	Encoding of a transgene in-frame with a Newcastle disease virus protein increases transgene expression and stability. Journal of General Virology, 2022, 103, .	1.3	2
4	Recovery of Recombinant Avian Paramyxovirus Type-3 Strain Wisconsin by Reverse Genetics and Its Evaluation as a Vaccine Vector for Chickens. Viruses, 2021, 13, 316.	1.5	4
5	Ebola vaccineâ€“induced protection in nonhuman primates correlates with antibody specificity and Fc-mediated effects. Science Translational Medicine, 2021, 13, .	5.8	22
6	Paramyxoviruses as Vaccine Vectors. , 2021, , 113-139.		1
7	Newcastle Disease Virus as a Vaccine Vector for SARS-CoV-2. Pathogens, 2020, 9, 619.	1.2	11
8	Contributions of HA1 and HA2 Subunits of Highly Pathogenic Avian Influenza Virus in Induction of Neutralizing Antibodies and Protection in Chickens. Frontiers in Microbiology, 2020, 11, 1085.	1.5	8
9	Comparative Protective Efficacies of Novel Avian Paramyxovirus-Vectored Vaccines against Virulent Infectious Bronchitis Virus in Chickens. Viruses, 2020, 12, 697.	1.5	6
10	A recombinant avian paramyxovirus serotype 3 expressing the hemagglutinin protein protects chickens against H5N1 highly pathogenic avian influenza virus challenge. Scientific Reports, 2020, 10, 2221.	1.6	11
11	Newcastle disease virus vectors expressing consensus sequence of the H7 HA protein protect broiler chickens and turkeys against highly pathogenic H7N8 virus. Vaccine, 2019, 37, 4956-4962.	1.7	6
12	Updated unified phylogenetic classification system and revised nomenclature for Newcastle disease virus. Infection, Genetics and Evolution, 2019, 74, 103917.	1.0	227
13	Innovation in Newcastle Disease Virus Vectored Avian Influenza Vaccines. Viruses, 2019, 11, 300.	1.5	30
14	Novel avian paramyxovirus-based vaccine vectors expressing the Ebola virus glycoprotein elicit mucosal and humoral immune responses in guinea pigs. Scientific Reports, 2019, 9, 5520.	1.6	15
15	Development of a recombinant Newcastle disease virus-vectored vaccine for infectious bronchitis virus variant strains circulating in Egypt. Veterinary Research, 2019, 50, 12.	1.1	24
16	Reverse Genetics for Newcastle Disease Virus as a Vaccine Vector. Current Protocols in Microbiology, 2018, 48, 18.5.1-18.5.12.	6.5	11
17	Poliovirus Replicon RNA Generation, Transfection, Packaging, and Quantitation of Replication. Current Protocols in Microbiology, 2018, 48, 15H.4.1-15H.4.15.	6.5	11
18	Co-expression of the Hemagglutinin and Neuraminidase by Heterologous Newcastle Disease Virus Vectors Protected Chickens against H5 Clade 2.3.4.4 HPAI Viruses. Scientific Reports, 2018, 8, 16854.	1.6	10

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19	Effect of fusion protein cleavage site sequence on generation of a genotype VII Newcastle disease virus vaccine. PLoS ONE, 2018, 13, e0197253.	1.1	6
20	A Recombinant Newcastle Disease Virus (NDV) Expressing S Protein of Infectious Bronchitis Virus (IBV) Protects Chickens against IBV and NDV. Scientific Reports, 2018, 8, 11951.	1.6	37
21	Antibody Repertoires to the Same Ebola Vaccine Antigen Are Differentially Affected by Vaccine Vectors. Cell Reports, 2018, 24, 1816-1829.	2.9	8
22	Modified Newcastle Disease virus as an improved vaccine vector against Simian Immunodeficiency virus. Scientific Reports, 2018, 8, 8952.	1.6	8
23	Newcastle Disease Virus-Based Vectored Vaccine against Poliomyelitis. Journal of Virology, 2018, 92, .	1.5	21
24	A novel chimeric Newcastle disease virus vectored vaccine against highly pathogenic avian influenza virus. Virology, 2017, 503, 31-36.	1.1	32
25	Complete genome sequences of two avian infectious bronchitis viruses isolated in Egypt: Evidence for genetic drift and genetic recombination in the circulating viruses. Infection, Genetics and Evolution, 2017, 53, 7-14.	1.0	32
26	Heterologous prime-boost immunization of Newcastle disease virus vectored vaccines protected broiler chickens against highly pathogenic avian influenza and Newcastle disease viruses. Vaccine, 2017, 35, 4133-4139.	1.7	17
27	Avian Paramyxovirus Type-3 as a Vaccine Vector: Identification of a Genome Location for High Level Expression of a Foreign Gene. Frontiers in Microbiology, 2017, 8, 693.	1.5	19
28	The middle half genome of interferon-inducing porcine reproductive and respiratory syndrome virus strain A2MC2 is essential for interferon induction. Journal of General Virology, 2017, 98, 1720-1729.	1.3	7
29	Evaluation of fusion protein cleavage site sequences of Newcastle disease virus in genotype matched vaccines. PLoS ONE, 2017, 12, e0173965.	1.1	12
30	Newcastle Disease Virus as a Vaccine Vector for Development of Human and Veterinary Vaccines. Viruses, 2016, 8, 183.	1.5	94
31	Sustaining Interferon Induction by a High-Passage Atypical Porcine Reproductive and Respiratory Syndrome Virus Strain. Scientific Reports, 2016, 6, 36312.	1.6	9
32	Enhanced Immune Responses to HIV-1 Envelope Elicited by a Vaccine Regimen Consisting of Priming with Newcastle Disease Virus Expressing HIV gp160 and Boosting with gp120 and SOSIP gp140 Proteins. Journal of Virology, 2016, 90, 1682-1686.	1.5	10
33	A Y527A mutation in the fusion protein of Newcastle disease virus strain LaSota leads to a hyperfusogenic virus with increased replication and immunogenicity. Journal of General Virology, 2016, 97, 287-292.	1.3	8
34	LaSota fusion (F) cleavage motif-mediated fusion activity is affected by other regions of the F protein from different genotype Newcastle disease virus in a chimeric virus: implication for virulence attenuation. Journal of General Virology, 2016, 97, 1297-1303.	1.3	8
35	Evaluation of humoral, mucosal, and cellular immune responses following co-immunization of HIV-1 Gag and Env proteins expressed by Newcastle disease virus. Human Vaccines and Immunotherapeutics, 2015, 11, 504-515.	1.4	5
36	Glycoprotein-Based Enzyme-Linked Immunosorbent Assays for Serodiagnosis of Infectious Laryngotracheitis. Journal of Clinical Microbiology, 2015, 53, 1727-1730.	1.8	2

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37	Mucosal Immunization with Newcastle Disease Virus Vector Coexpressing HIV-1 Env and Gag Proteins Elicits Potent Serum, Mucosal, and Cellular Immune Responses That Protect against Vaccinia Virus Env and Gag Challenges. MBio, 2015, 6, e01005.	1.8	25
38	Newcastle Disease Virus Vector Producing Human Norovirus-Like Particles Induces Serum, Cellular, and Mucosal Immune Responses in Mice. Journal of Virology, 2014, 88, 9718-9727.	1.5	34
39	Role of C596 in the C-terminal extension of the haemagglutininâ€“neuraminidase protein in replication and pathogenicity of a highly virulent Indonesian strain of Newcastle disease virus. Journal of General Virology, 2014, 95, 331-336.	1.3	8
40	A recombinant Newcastle disease virus (NDV) expressing infectious laryngotracheitis virus (ILTV) surface glycoprotein D protects against highly virulent ILTV and NDV challenges in chickens. Vaccine, 2014, 32, 3555-3563.	1.7	49
41	Evaluation of the Contributions of Individual Viral Genes to Newcastle Disease Virus Virulence and Pathogenesis. Journal of Virology, 2014, 88, 8579-8596.	1.5	46
42	Effects of Naturally Occurring Six- and Twelve-Nucleotide Inserts on Newcastle Disease Virus Replication and Pathogenesis. PLoS ONE, 2014, 9, e103951.	1.1	7
43	Evaluation of the genetic diversity of avian paramyxovirus type 4. Virus Research, 2013, 171, 103-110.	1.1	10
44	Complete Genome Sequence of a Highly Virulent Newcastle Disease Virus Currently Circulating in Mexico. Genome Announcements, 2013, 1, .	0.8	15
45	Complete Genome Sequence of an Avian Paramyxovirus Type 4 from North America Reveals a Shorter Genome and New Genotype. Genome Announcements, 2013, 1, .	0.8	8
46	Phylogenetic and Pathotypic Characterization of Newcastle Disease Viruses Circulating in West Africa and Efficacy of a Current Vaccine. Journal of Clinical Microbiology, 2013, 51, 771-781.	1.8	44
47	Mutations in the Cytoplasmic Domain of the Newcastle Disease Virus Fusion Protein Confer Hyperfusogenic Phenotypes Modulating Viral Replication and Pathogenicity. Journal of Virology, 2013, 87, 10083-10093.	1.5	29
48	Mutations in the Fusion Protein Cleavage Site of Avian Paramyxovirus Serotype 4 Confer Increased Replication and Syncytium Formation In Vitro but Not Increased Replication and Pathogenicity in Chickens and Ducks. PLoS ONE, 2013, 8, e50598.	1.1	14
49	Comparative Immunogenicity of HIV-1 gp160, gp140 and gp120 Expressed by Live Attenuated Newcastle Disease Virus Vector. PLoS ONE, 2013, 8, e78521.	1.1	19
50	Newcastle Disease Virus Fusion Protein Is the Major Contributor to Protective Immunity of Genotype-Matched Vaccine. PLoS ONE, 2013, 8, e74022.	1.1	52
51	Evaluation of the Replication, Pathogenicity, and Immunogenicity of Avian Paramyxovirus (APMV) Serotypes 2, 3, 4, 5, 7, and 9 in Rhesus Macaques. PLoS ONE, 2013, 8, e75456.	1.1	10
52	Mutation of the F-Protein Cleavage Site of Avian Paramyxovirus Type 7 Results in Furin Cleavage, Fusion Promotion, and Increased Replication In Vitro but Not Increased Replication, Tissue Tropism, or Virulence in Chickens. Journal of Virology, 2012, 86, 3828-3838.	1.5	18
53	Coordinate Deletion of N-Glycans from the Heptad Repeats of the Fusion F Protein of Newcastle Disease Virus Yields a Hyperfusogenic Virus with Increased Replication, Virulence, and Immunogenicity. Journal of Virology, 2012, 86, 2501-2511.	1.5	25
54	Complete Genome Sequence of a Novel Newcastle Disease Virus Strain Isolated from a Chicken in West Africa. Journal of Virology, 2012, 86, 11394-11395.	1.5	27

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55	Complete Genome Sequences of Newcastle Disease Virus Strains Circulating in Chicken Populations of Indonesia. Journal of Virology, 2012, 86, 5969-5970.	1.5	56
56	Avian paramyxovirus serotypes 2-9 (APMV-2-9) vary in the ability to induce protective immunity in chickens against challenge with virulent Newcastle disease virus (APMV-1). Vaccine, 2012, 30, 2220-2227.	1.7	35
57	Replication, Neurotropism, and Pathogenicity of Avian Paramyxovirus Serotypes 1â€“9 in Chickens and Ducks. PLoS ONE, 2012, 7, e34927.	1.1	38
58	Generation by Reverse Genetics of an Effective, Stable, Live-Attenuated Newcastle Disease Virus Vaccine Based on a Currently Circulating, Highly Virulent Indonesian Strain. PLoS ONE, 2012, 7, e52751.	1.1	77
59	A host-restricted viral vector for antigen-specific immunization against Lyme disease pathogen. Vaccine, 2011, 29, 5294-5303.	1.7	20
60	Experimental infection of hamsters with avian paramyxovirus serotypes 1 to 9. Veterinary Research, 2011, 42, 38.	1.1	23
61	Sequence analysis of fusion protein gene of Newcastle disease virus isolated from outbreaks in Egypt during 2006. Virology Journal, 2011, 8, 237.	1.4	34
62	Mutations in the Fusion Protein Cleavage Site of Avian Paramyxovirus Serotype 2 Increase Cleavability and Syncytium Formation but Do Not Increase Viral Virulence in Chickens. Journal of Virology, 2011, 85, 5394-5405.	1.5	25
63	Newcastle Disease Virus Expressing Human Immunodeficiency Virus Type 1 Envelope Glycoprotein Induces Strong Mucosal and Serum Antibody Responses in Guinea Pigs. Journal of Virology, 2011, 85, 10529-10541.	1.5	33
64	Evaluation of the Newcastle Disease Virus F and HN Proteins in Protective Immunity by Using a Recombinant Avian Paramyxovirus Type 3 Vector in Chickens. Journal of Virology, 2011, 85, 6521-6534.	1.5	73
65	Roles of the Fusion and Hemagglutinin-Neuraminidase Proteins in Replication, Tropism, and Pathogenicity of Avian Paramyxoviruses. Journal of Virology, 2011, 85, 8582-8596.	1.5	56
66	A single amino acid change, Q114R, in the cleavage-site sequence of Newcastle disease virus fusion protein attenuates viral replication and pathogenicity. Journal of General Virology, 2011, 92, 2333-2338.	1.3	37
67	Experimental Infection of Mice with Avian Paramyxovirus Serotypes 1 to 9. PLoS ONE, 2011, 6, e16776.	1.1	17
68	Complete genome sequence of highly virulent neurotropic Newcastle disease virus strain Texas GB. Virus Genes, 2010, 41, 67-72.	0.7	18
69	Complete Genome Sequence of Avian Paramyxovirus (APMV) Serotype 5 Completes the Analysis of Nine APMV Serotypes and Reveals the Longest APMV Genome. PLoS ONE, 2010, 5, e9269.	1.1	43
70	Experimental avian paramyxovirus serotype-3 infection in chickens and turkeys. Veterinary Research, 2010, 41, 72.	1.1	17
71	Newcastle Disease Virus-Vectored Vaccines Expressing the Hemagglutinin or Neuraminidase Protein of H5N1 Highly Pathogenic Avian Influenza Virus Protect against Virus Challenge in Monkeys. Journal of Virology, 2010, 84, 1489-1503.	1.5	86
72	Contributions of the Avian Influenza Virus HA, NA, and M2 Surface Proteins to the Induction of Neutralizing Antibodies and Protective Immunity. Journal of Virology, 2010, 84, 2408-2420.	1.5	59

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73	Identification of Simian Agent 10 as Human Parainfluenza Virus Type 3 Suggests Transmission of a Human Virus to an African Monkey. Journal of Virology, 2010, 84, 13068-13070.	1.5	5
74	Role of Untranslated Regions in Regulation of Gene Expression, Replication, and Pathogenicity of Newcastle Disease Virus Expressing Green Fluorescent Protein. Journal of Virology, 2010, 84, 2629-2634.	1.5	22
75	Immunization of cattle with recombinant Newcastle disease virus expressing bovine herpesvirus-1 (BHV-1) glycoprotein D induces mucosal and serum antibody responses and provides partial protection against BHV-1. Vaccine, 2010, 28, 3159-3170.	1.7	52
76	Respiratory tract immunization of non-human primates with a Newcastle disease virus-vectored vaccine candidate against Ebola virus elicits a neutralizing antibody response. Vaccine, 2010, 29, 17-25.	1.7	80
77	Complete genome sequence of avian paramyxovirus-3 strain Wisconsin: Evidence for the existence of subgroups within the serotype. Virus Research, 2010, 149, 78-85.	1.1	25
78	Complete genome sequences of avian paramyxovirus serotype 6 prototype strain Hong Kong and a recent novel strain from Italy: Evidence for the existence of subgroups within the serotype. Virus Research, 2010, 150, 61-72.	1.1	38
79	Complete genome sequences of avian paramyxovirus serotype 2 (APMV-2) strains Bangor, England and Kenya: Evidence for the existence of subgroups within serotype 2. Virus Research, 2010, 152, 85-95.	1.1	21
80	Pathogenesis of Two Strains of Avian Paramyxovirus Serotype 2, Yucaipa and Bangor, in Chickens and Turkeys. Avian Diseases, 2010, 54, 1050-1057.	0.4	15
81	Inhibition of host innate immune responses and pathogenicity of recombinant Newcastle disease viruses expressing NS1 genes of influenza A viruses. Journal of General Virology, 2010, 91, 1996-2001.	1.3	5
82	Immunization of Chickens with Newcastle Disease Virus Expressing H5 Hemagglutinin Protects against Highly Pathogenic H5N1 Avian Influenza Viruses. PLoS ONE, 2009, 4, e6509.	1.1	70
83	Role of the Cytoplasmic Tail Amino Acid Sequences of Newcastle Disease Virus Hemagglutinin-Neuraminidase Protein in Virion Incorporation, Cell Fusion, and Pathogenicity. Journal of Virology, 2009, 83, 10250-10255.	1.5	19
84	Role of Untranslated Regions of the Hemagglutinin-Neuraminidase Gene in Replication and Pathogenicity of Newcastle Disease Virus. Journal of Virology, 2009, 83, 5943-5946.	1.5	29
85	Complete genome sequence of a virulent Newcastle disease virus isolated from an outbreak in chickens in Egypt. Virus Genes, 2009, 39, 234-237.	0.7	31
86	Delivery to the lower respiratory tract is required for effective immunization with Newcastle disease virus-vectored vaccines intended for humans. Vaccine, 2009, 27, 1530-1539.	1.7	29
87	Complete sequence of the genome of avian paramyxovirus type 9 and comparison with other paramyxoviruses. Virus Research, 2009, 142, 10-18.	1.1	41
88	Complete genome sequences of avian paramyxovirus type 8 strains goose/Delaware/1053/76 and pintail/Wakuya/20/78. Virus Research, 2009, 142, 144-153.	1.1	45
89	Complete genome sequence of avian paramyxovirus type 7 (strain Tennessee) and comparison with other paramyxoviruses. Virus Research, 2009, 145, 80-91.	1.1	38
90	Experimental infection of calves with Newcastle disease virus induces systemic and mucosal antibody responses. Archives of Virology, 2008, 153, 1197-1200.	0.9	11

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91	Molecular characterization and complete genome sequence of avian paramyxovirus type 4 prototype strain duck/Hong Kong/D3/75. Virology Journal, 2008, 5, 124.	1.4	47
92	Complete sequence of the genome of avian paramyxovirus type 2 (strain Yucaipa) and comparison with other paramyxoviruses. Virus Research, 2008, 137, 40-48.	1.1	38
93	Complete genome sequence of avian paramyxovirus type 3 reveals an unusually long trailer region. Virus Research, 2008, 137, 189-197.	1.1	57
94	The Large Polymerase Protein Is Associated with the Virulence of Newcastle Disease Virus. Journal of Virology, 2008, 82, 7828-7836.	1.5	68
95	Role of Intergenic Sequences in Newcastle Disease Virus RNA Transcription and Pathogenesis. Journal of Virology, 2008, 82, 1323-1331.	1.5	36
96	Newcastle disease virus, a host range-restricted virus, as a vaccine vector for intranasal immunization against emerging pathogens. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9788-9793.	3.3	126
97	Immunization of Primates with a Newcastle Disease Virus-Vectored Vaccine via the Respiratory Tract Induces a High Titer of Serum Neutralizing Antibodies against Highly Pathogenic Avian Influenza Virus. Journal of Virology, 2007, 81, 11560-11568.	1.5	92
98	Recovery of Avian Metapneumovirus Subgroup C from cDNA: Cross-Recognition of Avian and Human Metapneumovirus Support Proteins. Journal of Virology, 2006, 80, 5790-5797.	1.5	26
99	Analysis of the complete genome sequence of avian metapneumovirus subgroup C indicates that it possesses the longest genome among metapneumoviruses. Virus Genes, 2005, 30, 331-333.	0.7	14
100	Recombinant Newcastle Disease Virus Expressing a Foreign Viral Antigen Is Attenuated and Highly Immunogenic in Primates. Journal of Virology, 2005, 79, 13275-13284.	1.5	107
101	A Recombinant Newcastle Disease Virus (NDV) Expressing VP2 Protein of Infectious Bursal Disease Virus (IBDV) Protects against NDV and IBDV. Journal of Virology, 2004, 78, 10054-10063.	1.5	129
102	Complete sequence of the G glycoprotein gene of avian metapneumovirus subgroup C and identification of a divergent domain in the predicted protein. Journal of General Virology, 2004, 85, 3671-3675.	1.3	26
103	Loss of N-Linked Glycosylation from the Hemagglutinin- Neuraminidase Protein Alters Virulence of Newcastle Disease Virus. Journal of Virology, 2004, 78, 4965-4975.	1.5	64
104	The Hemagglutinin-Neuraminidase Protein of Newcastle Disease Virus Determines Tropism and Virulence. Journal of Virology, 2004, 78, 4176-4184.	1.5	180
105	Sequence analysis of the large polymerase (L) protein of the US strain of avian metapneumovirus indicates a close resemblance to that of the human metapneumovirus. Virus Research, 2004, 105, 59-66.	1.1	15
106	Role of fusion protein cleavage site in the virulence of Newcastle disease virus. Microbial Pathogenesis, 2004, 36, 1-10.	1.3	241
107	Newcastle Disease Virus V Protein Is Associated with Viral Pathogenesis and Functions as an Alpha Interferon Antagonist. Journal of Virology, 2003, 77, 8676-8685.	1.5	198
108	Deduced amino acid sequence of the small hydrophobic protein of US avian pneumovirus has greater identity with that of human metapneumovirus than those of non-US avian pneumoviruses. Virus Research, 2003, 93, 91-97.	1.1	28

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109	Rescue of bovine respiratory syncytial virus from cloned cDNA: entire genome sequence of BRSV strain A51908. Virus Genes, 2001, 23, 157-164.	0.7	7
110	Mapping the domains on the phosphoprotein of bovine respiratory syncytial virus required for Nâ€“P and Pâ€“L interactions using a minigenome system. Journal of General Virology, 2001, 82, 775-779.	1.3	40
111	High-level expression of a foreign gene from the most 3â€²-proximal locus of a recombinant Newcastle disease virus. Journal of General Virology, 2001, 82, 1729-1736.	1.3	90
112	Recovery of a Virulent Strain of Newcastle Disease Virus from Cloned cDNA: Expression of a Foreign Gene Results in Growth Retardation and Attenuation. Virology, 2000, 278, 168-182.	1.1	148
113	Identification of grass carp haemorrhage virus as a new genogroup of aquareovirus. Journal of General Virology, 1999, 80, 2399-2402.	1.3	119
114	Cloning and sequence analysis of a non-structural gene of an aquareovirus. , 1997, 15, 83-86.		2