Amy L Vincent

List of Publications by Year
in descending order

117 papers	6,699 citations	50170 46 h-index	74018 75 g-index
125 all docs	125 docs citations	125 times ranked	3752 citing authors

#	Article	IF	Citations
1	Chapter 3 Swine Influenza Viruses. Advances in Virus Research, 2008, 72, 127-154.	0.9	324
2	Influenza Research Database: An integrated bioinformatics resource for influenza virus research. Nucleic Acids Research, 2017, 45, D466-D474.	6.5	293
3	Vaccine-Induced Anti-HA2 Antibodies Promote Virus Fusion and Enhance Influenza Virus Respiratory Disease. Science Translational Medicine, 2013, 5, 200ra114.	5.8	201
4	Identification of H2N3 influenza A viruses from swine in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20949-20954.	3.3	198
5	Reverse zoonosis of influenza to swine: new perspectives on the humanâ€“animal interface. Trends in Microbiology, 2015, 23, 142-153.	3.5	196
6	Vaccination of Pigs against Swine Influenza Viruses by Using an NS1-Truncated Modified Live-Virus Vaccine. Journal of Virology, 2006, 80, 11009-11018.	1.5	164
7	Characterization of a newly emerged genetic cluster of H1N1 and H1N2 swine influenza virus in the United States. Virus Genes, 2009, 39, 176-185.	0.7	157
8	Global transmission of influenza viruses from humans to swine. Journal of General Virology, 2012, 93, 2195-2203.	1.3	154
9	A Phylogeny-Based Global Nomenclature System and Automated Annotation Tool for H1 Hemagglutinin Genes from Swine Influenza A Viruses. MSphere, 2016, 1, .	1.3	151
10	The global antigenic diversity of swine influenza A viruses. ELife, 2016, 5, e12217.	2.8	146
11	Population dynamics of cocirculating swine influenza <scp>A</scp> viruses in the <scp>U</scp>nited <scp>S</scp>tates from 2009 to 2012. Influenza and Other Respiratory Viruses, 2013, 7, 42-51.	1.5	134
12	Failure of protection and enhanced pneumonia with a US H1N2 swine influenza virus in pigs vaccinated with an inactivated classical swine H1N1 vaccine. Veterinary Microbiology, 2008, 126, 310-323.	0.8	128
13	Global migration of influenza A viruses in swine. Nature Communications, 2015, 6, 6696.	5.8	128
14	Swine Influenza A Viruses and the Tangled Relationship with Humans. Cold Spring Harbor Perspectives in Medicine, 2021, 11, a038737.	2.9	128
15	Genetic and antigenic characterization of H1 influenza viruses from United States swine from 2008. Journal of General Virology, 2011, 92, 919-930.	1.3	123
16	Efficacy of intranasal administration of a truncated NS1 modified live influenza virus vaccine in swine. Vaccine, 2007, 25, 7999-8009.	1.7	122
17	Evaluation of hemagglutinin subtype 1 swine influenza viruses from the United States. Veterinary Microbiology, 2006, 118, 212-222.	0.8	114
18	Live Attenuated Influenza Vaccine Provides Superior Protection from Heterologous Infection in Pigs with Maternal Antibodies without Inducing Vaccine-Associated Enhanced Respiratory Disease. Journal of Virology, 2012, 86, 10597-10605.	1.5	114

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19	Characterization of an influenza A virus isolated from pigs during an outbreak of respiratory disease in swine and people during a county fair in the United States. Veterinary Microbiology, 2009, 137, 51-59.	0.8	113
20	Enhanced pneumonia and disease in pigs vaccinated with an inactivated human-like (Î´-cluster) H1N2 vaccine and challenged with pandemic 2009 H1N1 influenza virus. Vaccine, 2011, 29, 2712-2719.	1.7	109
21	Evolution of Novel Reassortant A/H3N2 Influenza Viruses in North American Swine and Humans, 2009â€“2011. Journal of Virology, 2012, 86, 8872-8878.	1.5	108
22	Continual Reintroduction of Human Pandemic H1N1 Influenza A Viruses into Swine in the United States, 2009 to 2014. Journal of Virology, 2015, 89, 6218-6226.	1.5	104
23	Swine as a Model for Influenza A Virus Infection and Immunity. ILAR Journal, 2015, 56, 44-52.	1.8	89
24	Efficacy in Pigs of Inactivated and Live Attenuated Influenza Virus Vaccines against Infection and Transmission of an Emerging H3N2 Similar to the 2011-2012 H3N2v. Journal of Virology, 2013, 87, 9895-9903.	1.5	88
25	Introductions and Evolution of Human-Origin Seasonal Influenza A Viruses in Multinational Swine Populations. Journal of Virology, 2014, 88, 10110-10119.	1.5	88
26	Substitutions near the Hemagglutinin Receptor-Binding Site Determine the Antigenic Evolution of Influenza A H3N2 Viruses in U.S. Swine. Journal of Virology, 2014, 88, 4752-4763.	1.5	86
27	Modifications in the Polymerase Genes of a Swine-Like Triple-Reassortant Influenza Virus To Generate Live Attenuated Vaccines against 2009 Pandemic H1N1 Viruses. Journal of Virology, 2011, 85, 456-469.	1.5	85
28	Influenza A virus vaccines for swine. Veterinary Microbiology, 2017, 206, 35-44.	0.8	85
29	Novel Reassortant Human-Like H3N2 and H3N1 Influenza A Viruses Detected in Pigs Are Virulent and Antigenically Distinct from Swine Viruses Endemic to the United States. Journal of Virology, 2015, 89, 11213-11222.	1.5	84
30	Efficacy of inactivated swine influenza virus vaccines against the 2009 A/H1N1 influenza virus in pigs. Vaccine, 2010, 28, 2782-2787.	1.7	82
31	Novel Swine Influenza Virus Subtype H3N1, United States. Emerging Infectious Diseases, 2006, 12, 787-794.	2.0	79
32	Influenza A(H3N2) Virus in Swine at Agricultural Fairs and Transmission to Humans, Michigan and Ohio, USA, 2016. Emerging Infectious Diseases, 2017, 23, 1551-1555.	2.0	70
33	Influenza virus coinfection with Bordetella bronchiseptica enhances bacterial colonization and host responses exacerbating pulmonary lesions. Microbial Pathogenesis, 2010, 49, 237-245.	1.3	69
34	Genotype patterns of contemporary reassorted H3N2 virus in US swine. Journal of General Virology, 2013, 94, 1236-1241.	1.3	68
35	Experimental inoculation of pigs with pandemic H1N1 2009 virus and HI crossâ€reactivity with contemporary swine influenza virus antisera. Influenza and Other Respiratory Viruses, 2010, 4, 53-60.	1.5	66
36	Detection of Anti-Influenza A Nucleoprotein Antibodies in Pigs Using a Commercial Influenza Epitope-Blocking Enzyme-Linked Immunosorbent Assay Developed for Avian Species. Journal of Veterinary Diagnostic Investigation, 2010, 22, 3-9.	0.5	66

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37	Antigenic and genetic evolution of contemporary swine H1 influenza viruses in the United States. Virology, 2018, 518, 45-54.	1.1	64
38	Regional patterns of genetic diversity in swine influenza A viruses in the United States from 2010 to 2016. Influenza and Other Respiratory Viruses, 2019, 13, 262-273.	1.5	63
39	Reassortment between Swine H3N2 and 2009 Pandemic H1N1 in the United States Resulted in Influenza A Viruses with Diverse Genetic Constellations with Variable Virulence in Pigs. Journal of Virology, 2017, 91, .	1.5	62
40	Vaccination with NS1-truncated H3N2 swine influenza virus primes T cells and confers cross-protection against an H1N1 heterosubtypic challenge in pigs. Vaccine, 2012, 30, 280-288.	1.7	61
41	Adaptation of Human Influenza Viruses to Swine. Frontiers in Veterinary Science, 2018, 5, 347.	0.9	61
42	Live attenuated influenza A virus vaccine protects against A(H1N1)pdm09 heterologous challenge without vaccine associated enhanced respiratory disease. Virology, 2014, 471-473, 93-104.	1.1	60
43	Pathogenicity and Transmission in Pigs of the Novel A(H3N2)v Influenza Virus Isolated from Humans and Characterization of Swine H3N2 Viruses Isolated in 2010-2011. Journal of Virology, 2012, 86, 6804-6814.	1.5	59
44	The Molecular Determinants of Antibody Recognition and Antigenic Drift in the H3 Hemagglutinin of Swine Influenza A Virus. Journal of Virology, 2016, 90, 8266-8280.	1.5	54
45	The genomic evolution of H1 influenza A viruses from swine detected in the United States between 2009 and 2016. Journal of General Virology, 2017, 98, 2001-2010.	1.3	54
46	Serum Virus Neutralization Assay for Detection and Quantitation of Serum-Neutralizing Antibodies to Influenza A Virus in Swine. Methods in Molecular Biology, 2014, 1161, 313-324.	0.4	53
47	DNA Vaccination Elicits Protective Immune Responses against Pandemic and Classic Swine Influenza Viruses in Pigs. Vaccine Journal, 2011, 18, 1987-1995.	3.2	52
48	Hemagglutinin Inhibition Assay with Swine Sera. Methods in Molecular Biology, 2014, 1161, 295-301.	0.4	52
49	Genotype patterns of contemporary reassorted H3N2 virus in US swine. Journal of General Virology, 2013, 94, 1236-1241.	1.3	52
50	Intranasal Vaccination with Replication-Defective Adenovirus Type 5 Encoding Influenza Virus Hemagglutinin Elicits Protective Immunity to Homologous Challenge and Partial Protection to Heterologous Challenge in Pigs. Vaccine Journal, 2012, 19, 1722-1729.	3.2	51
51	ISU FLUture: a veterinary diagnostic laboratory web-based platform to monitor the temporal genetic patterns of Influenza A virus in swine. BMC Bioinformatics, 2018, 19, 397.	1.2	50
52	Characterization of co-circulating swine influenza A viruses in North America and the identification of a novel H1 genetic clade with antigenic significance. Virus Research, 2015, 201, 24-31.	1.1	48
53	Divergent immune responses and disease outcomes in piglets immunized with inactivated and attenuated H3N2 swine influenza vaccines in the presence of maternally-derived antibodies. Virology, 2014, 464-465, 45-54.	1.1	46
54	Contemporary Epidemiology of North American Lineage Triple Reassortant Influenza A Viruses in Pigs. Current Topics in Microbiology and Immunology, 2011, 370, 113-131.	0.7	45

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55	Characterization of H1N1 Swine Influenza Viruses Circulating in Canadian Pigs in 2009. Journal of Virology, 2011, 85, 8667-8679.	1.5	41
56	Influenza A virus hemagglutinin protein subunit vaccine elicits vaccine-associated enhanced respiratory disease in pigs. Vaccine, 2014, 32, 5170-5176.	1.7	41
57	Heightened adaptive immune responses following vaccination with a temperature-sensitive, live-attenuated influenza virus compared to adjuvanted, whole-inactivated virus in pigs. Vaccine, 2012, 30, 5830-5838.	1.7	40
58	Genomic reassortment of influenza A virus in North American swine, 1998â€“2011. Journal of General Virology, 2012, 93, 2584-2589.	1.3	40
59	Swine influenza matrix 2 (M2) protein contributes to protection against infection with different H1 swine influenza virus (SIV) isolates. Vaccine, 2009, 28, 523-531.	1.7	39
60	Pathogenesis and Vaccination of Influenza A Virus in Swine. Current Topics in Microbiology and Immunology, 2014, 385, 307-326.	0.7	39
61	Detection of live attenuated influenza vaccine virus and evidence of reassortment in the U.S. swine population. Journal of Veterinary Diagnostic Investigation, 2020, 32, 301-311.	0.5	39
62	One-step real-time RT-PCR for pandemic influenza A virus (H1N1) 2009 matrix gene detection in swine samples. Journal of Virological Methods, 2010, 164, 83-87.	1.0	36
63	Isolamento e caracterizaÃ§Ã£o do vÃrus da influenza pandÃªmico H1N1 em suÃnos no Brasil. Pesquisa Veterinaria Brasileira, 2011, 31, 761-767.	0.5	34
64	Swine influenza virus vaccine serologic crossâ€reactivity to contemporary <scp>US</scp> swine H3N2 and efficacy in pigs infected with an H3N2 similar to 2011â€“2012 H3N2v. Influenza and Other Respiratory Viruses, 2013, 7, 32-41.	1.5	34
65	Identification and characterization of a highly virulent triple reassortant H1N1 swine influenza virus in the United States. Virus Genes, 2010, 40, 28-36.	0.7	33
66	Restored PB1-F2 in the 2009 Pandemic H1N1 Influenza Virus Has Minimal Effects in Swine. Journal of Virology, 2012, 86, 5523-5532.	1.5	33
67	octoFLU: Automated Classification for the Evolutionary Origin of Influenza A Virus Gene Sequences Detected in U.S. Swine. Microbiology Resource Announcements, 2019, 8, .	0.3	29
68	Antigenic evolution of H3N2 influenza A viruses in swine in the United States from 2012 to 2016. Influenza and Other Respiratory Viruses, 2019, 13, 83-90.	1.5	29
69	A Brief Introduction to Influenza A Virus in Swine. Methods in Molecular Biology, 2014, 1161, 243-258.	0.4	29
70	Detection and characterization of an H4N6 avian-lineage influenza A virus in pigs in the Midwestern United States. Virology, 2017, 511, 56-65.	1.1	26
71	Influenza A Virus Field Surveillance at a Swine-Human Interface. MSphere, 2020, 5, .	1.3	26
72	Heterologous challenge in the presence of maternally-derived antibodies results in vaccine-associated enhanced respiratory disease in weaned piglets. Virology, 2016, 491, 79-88.	1.1	25

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73	Absence of 2009 Pandemic H1N1 Influenza A Virus in Fresh Pork. PLoS ONE, 2009, 4, e8367.	1.1	23
74	Comparison of humoral and cellular immune responses to inactivated swine influenza virus vaccine in weaned pigs. Veterinary Immunology and Immunopathology, 2011, 142, 252-257.	0.5	21
75	Utility of a Panviral Microarray for Detection of Swine Respiratory Viruses in Clinical Samples. Journal of Clinical Microbiology, 2011, 49, 1542-1548.	1.8	21
76	Strain-dependent effects of PB1-F2 of triple-reassortant H3N2 influenza viruses in swine. Journal of General Virology, 2012, 93, 2204-2214.	1.3	21
77	Complete Genome Sequences of Two Novel Human-Like H3N2 Influenza A Viruses, A/swine/Oklahoma/65980/2017 (H3N2) and A/Swine/Oklahoma/65260/2017 (H3N2), Detected in Swine in the United States. Microbiology Resource Announcements, 2018, 7, .	0.3	20
78	The type of adjuvant in whole inactivated influenza a virus vaccines impacts vaccine-associated enhanced respiratory disease. Vaccine, 2018, 36, 6103-6110.	1.7	20
79	Age at Vaccination and Timing of Infection Do Not Alter Vaccine-Associated Enhanced Respiratory Disease in Influenza A Virus-Infected Pigs. Vaccine Journal, 2016, 23, 470-482.	3.2	19
80	Plasticity of Amino Acid Residue 145 Near the Receptor Binding Site of H3 Swine Influenza A Viruses and Its Impact on Receptor Binding and Antibody Recognition. Journal of Virology, 2019, 93, .	1.5	19
81	Vaccination of pigs with a codon-pair bias de-optimized live attenuated influenza vaccine protects from homologous challenge. Vaccine, 2018, 36, 1101-1107.	1.7	18
82	Human-Origin Influenza A(H3N2) Reassortant Viruses in Swine, Southeast Mexico. Emerging Infectious Diseases, 2019, 25, 691-700.	2.0	18
83	Aerosol Transmission from Infected Swine to Ferrets of an H3N2 Virus Collected from an Agricultural Fair and Associated with Human Variant Infections. Journal of Virology, 2020, 94, .	1.5	18
84	Antibody repertoire development in fetal and neonatal piglets. <scp>XVI</scp>. Influenza stimulates adaptive immunity, class switch and diversification of the IgG repertoire encoded by downstream CÎ³ genes. Immunology, 2013, 138, 134-144.	2.0	15
85	Factors affecting induction of peripheral IFN-Î³ recall response to influenza A virus vaccination in pigs. Veterinary Immunology and Immunopathology, 2017, 185, 57-65.	0.5	15
86	Oral Fluids as a Live-Animal Sample Source for Evaluating Cross-Reactivity and Cross-Protection following Intranasal Influenza A Virus Vaccination in Pigs. Vaccine Journal, 2015, 22, 1109-1120.	3.2	14
87	Absence of clinical disease and contact transmission of HPAI H5NX clade 2.3.4.4 from North America in experimentally infected pigs. Influenza and Other Respiratory Viruses, 2017, 11, 464-470.	1.5	14
88	Characterization of contemporary 2010.1 H3N2 swine influenza A viruses circulating in United States pigs. Virology, 2021, 553, 94-101.	1.1	14
89	Spatial and temporal coevolution of N2 neuraminidase and H1 and H3 hemagglutinin genes of influenza A virus in US swine. Virus Evolution, 2021, 7, veab090.	2.2	14
90	Comparative virulence of wild-type H1N1pdm09 influenza A isolates in swine. Veterinary Microbiology, 2015, 176, 40-49.	0.8	13

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91	Machine Learning Prediction and Experimental Validation of Antigenic Drift in H3 Influenza A Viruses in Swine. MSphere, 2021, 6, .	1.3	13
92	A highly pathogenic avian-derived influenza virus H5N1 with 2009 pandemic H1N1 internal genes demonstrates increased replication and transmission in pigs. Journal of General Virology, 2017, 98, 18-30.	1.3	13
93	Neuraminidase inhibiting antibody responses in pigs differ between influenza A virus N2 lineages and by vaccine type. Vaccine, 2016, 34, 3773-3779.	1.7	12
94	Pigs with Severe Combined Immunodeficiency Are Impaired in Controlling Influenza A Virus Infection. Journal of Innate Immunity, 2017, 9, 193-202.	1.8	12
95	Comparison of Adjuvanted-Whole Inactivated Virus and Live-Attenuated Virus Vaccines against Challenge with Contemporary, Antigenically Distinct H3N2 Influenza A Viruses. Journal of Virology, 2018, 92, .	1.5	11
96	octoFLUshow: an Interactive Tool Describing Spatial and Temporal Trends in the Genetic Diversity of Influenza A Virus in U.S. Swine. Microbiology Resource Announcements, 2021, 10, e0108121.	0.3	11
97	Alphavirus-vectored hemagglutinin subunit vaccine provides partial protection against heterologous challenge in pigs. Vaccine, 2019, 37, 1533-1539.	1.7	10
98	Detection and Characterization of Swine Origin Influenza A(H1N1) Pandemic 2009 Viruses in Humans following Zoonotic Transmission. Journal of Virology, 2020, 95, .	1.5	10
99	Evolution and Antigenic Advancement of N2 Neuraminidase of Swine Influenza A Viruses Circulating in the United States following Two Separate Introductions from Human Seasonal Viruses. Journal of Virology, 2021, 95, e0063221.	1.5	10
100	Antigenic Distance between North American Swine and Human Seasonal H3N2 Influenza A Viruses as an Indication of Zoonotic Risk to Humans. Journal of Virology, 2022, 96, JVI0137421.	1.5	10
101	Vaccine-Associated Enhanced Respiratory Disease following Influenza Virus Infection in Ferrets Recapitulates the Model in Pigs. Journal of Virology, 2022, 96, JVI0172521.	1.5	10
102	Vaccine-Associated Enhanced Respiratory Disease Does Not Interfere with the Adaptive Immune Response Following Challenge with Pandemic A/H1N1 2009. Viral Immunology, 2013, 26, 314-321.	0.6	9
103	A Brief Introduction to Influenza A Virus in Swine. Methods in Molecular Biology, 2020, 2123, 249-271.	0.4	9
104	Detection and Titration of Influenza A Virus Neuraminidase Inhibiting (NAI) Antibodies Using an Enzyme-Linked Lectin Assay (ELLA). Methods in Molecular Biology, 2020, 2123, 335-344.	0.4	9
105	Enzyme-Linked Immunosorbent Assay for Detection of Serum or Mucosal Isotype-Specific IgG and IgA Whole-Virus Antibody to Influenza A Virus in Swine. Methods in Molecular Biology, 2014, 1161, 303-312.	0.4	9
106	Genetic and Antigenic Characterization of an Expanding H3 Influenza A Virus Clade in U.S. Swine Visualized by Nextstrain. MSphere, 2022, 7, .	1.3	9
107	A novel monoclonal antibody effective against lethal challenge with swine-lineage and 2009 pandemic H1N1 influenza viruses in mice. Virology, 2011, 417, 379-384.	1.1	8
108	The avianâ€origin H3N2 canine influenza virus that recently emerged in the United States has limited replication in swine. Influenza and Other Respiratory Viruses, 2016, 10, 429-432.	1.5	8

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109	Development of a Novel Live Attenuated Influenza A Virus Vaccine Encoding the IgA-Inducing Protein. Vaccines, 2021, 9, 703.	2.1	8
110	Cross-Fostering to Prevent Maternal Cell Transfer Did Not Prevent Vaccine-Associated Enhanced Respiratory Disease that Occurred Following Heterologous Influenza Challenge of Pigs Vaccinated in the Presence of Maternal Immunity. Viral Immunology, 2014, 27, 334-342.	0.6	5
111	Characterization of a 2016-2017 Human Seasonal H3 Influenza A Virus Spillover Now Endemic to U.S. Swine. MSphere, 2022, 7, e0080921.	1.3	5
112	Polymorphisms in the haemagglutinin gene influenced the viral shedding of pandemic 2009 influenza virus in swine. Journal of General Virology, 2014, 95, 2618-2626.	1.3	4
113	An avian influenza virus A(H7N9) reassortant that recently emerged in the United States with low pathogenic phenotype does not efficiently infect swine. Influenza and Other Respiratory Viruses, 2019, 13, 288-291.	1.5	4
114	Comparison of Human-Like H1 (-Cluster) Influenza A Viruses in the Swine Host. Influenza Research and Treatment, 2012, 2012, 1-7.	1.5	3
115	Enzyme-Linked Immunosorbent Assay for Detection of Serum or Mucosal Isotype-Specific IgG and IgA Whole-Virus Antibody to Influenza A Virus in Swine. Methods in Molecular Biology, 2020, 2123, 311-320.	0.4	3
116	In Vivo Models for Pathotyping and Vaccine Efficacy for Swine Influenza. Methods in Molecular Biology, 2020, 2123, 345-351.	0.4	3
117	Human-Origin Influenza A(H3N2) Reassortant Viruses in Swine, Southeast Mexico. Emerging Infectious Diseases, 2019, 25, .	2.0	0