Amy L Vincent

List of Publications by Year in Descending Order

119 papers	4,891 citations	42 h-index	67 g-index
125 ext. papers	5,863 ext. citations	5 avg, IF	5.56 L-index

#	Paper	IF	Citations
119	Characterization of a 2016-2017 Human Seasonal H3 Influenza A Virus Spillover Now Endemic to U.S. Swine.. *MSphere*, **2022**, e0080921	5	2
118	Vaccine-associated enhanced respiratory disease following influenza virus infection in ferrets recapitulates the model in pigs.. *Journal of Virology*, **2022**, JVI0172521	6.6	0
117	Antigenic distance between North American swine and human seasonal H3N2 influenza A viruses as an indication of zoonotic risk to humans. *Journal of Virology*, **2021**, JVI0137421	6.6	1
116	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	3.7	1
115	Machine Learning Prediction and Experimental Validation of Antigenic Drift in H3 Influenza A Viruses in Swine. *MSphere*, **2021**, 6,	5	1
114	Swine Influenza A Viruses and the Tangled Relationship with Humans. *Cold Spring Harbor Perspectives in Medicine*, **2021**, 11,	5.4	30
113	Characterization of contemporary 2010.1 H3N2 swine influenza A viruses circulating in United States pigs. *Virology*, **2021**, 553, 94-101	3.6	2
112	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	6.6	3
111	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	1.3	0
110	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,	6.6	8
109	Influenza A Virus Field Surveillance at a Swine-Human Interface. *MSphere*, **2020**, 5,	5	14
108	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	1.5	11
107	In Vivo Models for Pathotyping and Vaccine Efficacy for Swine Influenza. *Methods in Molecular Biology*, **2020**, 2123, 345-351	1.4	0
106	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	1.4	0
105	Detection and Characterization of Swine Origin Influenza A(H1N1) Pandemic 2009 Viruses in Humans following Zoonotic Transmission. *Journal of Virology*, **2020**, 95,	6.6	4
104	A Brief Introduction to Influenza A Virus in Swine. *Methods in Molecular Biology*, **2020**, 2123, 249-271	1.4	2
103	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	1.4	4

102	Human-Origin Influenza A(H3N2) Reassortant Viruses in Swine, Southeast Mexico. *Emerging Infectious Diseases*, **2019**, 25, 691-700	10.2	11
101	Influenza Viruses **2019**, 576-593		9
100	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	5.6	3
99	Alphavirus-vectored hemagglutinin subunit vaccine provides partial protection against heterologous challenge in pigs. *Vaccine*, **2019**, 37, 1533-1539	4.1	8
98	octoFLU: Automated Classification for the Evolutionary Origin of Influenza A Virus Gene Sequences Detected in U.S. Swine. *Microbiology Resource Announcements*, **2019**, 8,	1.3	14
97	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	5.6	18
96	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,	6.6	8
95	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	5.6	34
94	Adaptation of Human Influenza Viruses to Swine. *Frontiers in Veterinary Science*, **2018**, 5, 347	3.1	33
93	Antigenic and genetic evolution of contemporary swine H1 influenza viruses in the United States. *Virology*, **2018**, 518, 45-54	3.6	41
92	Vaccination of pigs with a codon-pair bias de-optimized live attenuated influenza vaccine protects from homologous challenge. *Vaccine*, **2018**, 36, 1101-1107	4.1	13
91	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	3.6	25
90	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,	1.3	11
89	The type of adjuvant in whole inactivated influenza a virus vaccines impacts vaccine-associated enhanced respiratory disease. *Vaccine*, **2018**, 36, 6103-6110	4.1	15
88	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,	6.6	8
87	Factors affecting induction of peripheral IFN-γ recall response to influenza A virus vaccination in pigs. *Veterinary Immunology and Immunopathology*, **2017**, 185, 57-65	2	4
86	Influenza A virus vaccines for swine. *Veterinary Microbiology*, **2017**, 206, 35-44	3.3	58
85	Pigs with Severe Combined Immunodeficiency Are Impaired in Controlling Influenza A Virus Infection. *Journal of Innate Immunity*, **2017**, 9, 193-202	6.9	8

84	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,	6.6	34
83	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	10.2	50
82	Detection and characterization of an H4N6 avian-lineage influenza A virus in pigs in the Midwestern United States. *Virology*, **2017**, 511, 56-65	3.6	16
81	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	5.6	11
80	Influenza Research Database: An integrated bioinformatics resource for influenza virus research. *Nucleic Acids Research*, **2017**, 45, D466-D474	20.1	174
79	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	4.9	9
78	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	4.9	37
77	The Molecular Determinants of Antibody Recognition and Antigenic Drift in the H3 Hemagglutinin of Swine Influenza A Virus. *Journal of Virology*, **2016**, 90, 8266-80	6.6	31
76	The avian-origin H3N2 canine influenza virus that recently emerged in the United States has limited replication in swine. *Influenza and Other Respiratory Viruses*, **2016**, 10, 429-32	5.6	7
75	Global evolution of influenza A viruses in swine **2016**, 459-479		1
74	Vaccines and vaccination for swine influenza: differing situations in Europe and the USA **2016**, 480-501		2
73	Neuraminidase inhibiting antibody responses in pigs differ between influenza A virus N2 lineages and by vaccine type. *Vaccine*, **2016**, 34, 3773-9	4.1	9
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	3.6	22
71	The global antigenic diversity of swine influenza A viruses. *ELife*, **2016**, 5, e12217	8.9	106
70	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		13
69	A Phylogeny-Based Global Nomenclature System and Automated Annotation Tool for H1 Hemagglutinin Genes from Swine Influenza A Viruses. *MSphere*, **2016**, 1,	5	84
68	Reverse zoonosis of influenza to swine: new perspectives on the human-animal interface. *Trends in Microbiology*, **2015**, 23, 142-53	12.4	136
67	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	6.4	45

66	Continual Reintroduction of Human Pandemic H1N1 Influenza A Viruses into Swine in the United States, 2009 to 2014. *Journal of Virology*, **2015**, 89, 6218-26	6.6	66
65	Global migration of influenza A viruses in swine. *Nature Communications*, **2015**, 6, 6696	17.4	91
64	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, 1109-20		10
63	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, 11213-22	6.6	57
62	Swine as a model for influenza A virus infection and immunity. *ILAR Journal*, **2015**, 56, 44-52	1.7	62
61	Comparative virulence of wild-type H1N1pdm09 influenza A isolates in swine. *Veterinary Microbiology*, **2015**, 176, 40-9	3.3	7
60	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	3.6	43
59	Pathogenesis and vaccination of influenza A virus in swine. *Current Topics in Microbiology and Immunology*, **2014**, 385, 307-26	3.3	31
58	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	3.6	31
57	Influenza A virus hemagglutinin protein subunit vaccine elicits vaccine-associated enhanced respiratory disease in pigs. *Vaccine*, **2014**, 32, 5170-6	4.1	33
56	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, 334-42	1.7	3
55	Introductions and evolution of human-origin seasonal influenza a viruses in multinational swine populations. *Journal of Virology*, **2014**, 88, 10110-9	6.6	69
54	Serum virus neutralization assay for detection and quantitation of serum-neutralizing antibodies to influenza A virus in swine. *Methods in Molecular Biology*, **2014**, 1161, 313-24	1.4	27
53	Polymorphisms in the haemagglutinin gene influenced the viral shedding of pandemic 2009 influenza virus in swine. *Journal of General Virology*, **2014**, 95, 2618-2626	4.9	4
52	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, 4752-63	6.6	66
51	A brief introduction to influenza A virus in swine. *Methods in Molecular Biology*, **2014**, 1161, 243-58	1.4	17
50	Hemagglutinin inhibition assay with swine sera. *Methods in Molecular Biology*, **2014**, 1161, 295-301	1.4	31
49	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, 303-12	1.4	5

48	Antibody repertoire development in fetal and neonatal piglets. XVI. Influenza stimulates adaptive immunity, class switch and diversification of the IgG repertoire encoded by downstream C genes. *Immunology*, **2013**, 138, 134-44	7.8	13
47	Genotype patterns of contemporary reassorted H3N2 virus in US swine. *Journal of General Virology*, **2013**, 94, 1236-1241	4.9	62
46	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, 9895-903	6.6	68
45	Vaccine-induced anti-HA2 antibodies promote virus fusion and enhance influenza virus respiratory disease. *Science Translational Medicine*, **2013**, 5, 200ra114	17.5	158
44	Swine influenza virus vaccine serologic cross-reactivity to contemporary US swine H3N2 and efficacy in pigs infected with an H3N2 similar to 2011-2012 H3N2v. *Influenza and Other Respiratory Viruses*, **2013**, 7 Suppl 4, 32-41	5.6	27
43	Vaccine-associated enhanced respiratory disease does not interfere with the adaptive immune response following challenge with pandemic A/H1N1 2009. *Viral Immunology*, **2013**, 26, 314-21	1.7	7
42	Population dynamics of cocirculating swine influenza A viruses in the United States from 2009 to 2012. *Influenza and Other Respiratory Viruses*, **2013**, 7 Suppl 4, 42-51	5.6	90
41	Contemporary epidemiology of North American lineage triple reassortant influenza A viruses in pigs. *Current Topics in Microbiology and Immunology*, **2013**, 370, 113-32	3.3	39
40	Genotype patterns of contemporary reassorted H3N2 virus in US swine. *Journal of General Virology*, **2013**, 94, 1236-41	4.9	45
39	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, 280-8	4.1	47
38	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, 5830-8	4.1	34
37	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, 1722-9		42
36	Evolution of novel reassortant A/H3N2 influenza viruses in North American swine and humans, 2009-2011. *Journal of Virology*, **2012**, 86, 8872-8	6.6	99
35	Strain-dependent effects of PB1-F2 of triple-reassortant H3N2 influenza viruses in swine. *Journal of General Virology*, **2012**, 93, 2204-2214	4.9	21
34	Genomic reassortment of influenza A virus in North American swine, 1998-2011. *Journal of General Virology*, **2012**, 93, 2584-2589	4.9	35
33	Comparison of Human-Like H1 (Cluster) Influenza A Viruses in the Swine Host. *Influenza Research and Treatment*, **2012**, 2012, 329029		3
32	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, 6804-14	6.6	57
31	Global transmission of influenza viruses from humans to swine. *Journal of General Virology*, **2012**, 93, 2195-2203	4.9	124

30	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, 10597-605	6.6	88
29	Restored PB1-F2 in the 2009 pandemic H1N1 influenza virus has minimal effects in swine. *Journal of Virology*, **2012**, 86, 5523-32	6.6	29
28	Enhanced pneumonia and disease in pigs vaccinated with an inactivated human-like (Ecluster) H1N2 vaccine and challenged with pandemic 2009 H1N1 influenza virus. *Vaccine*, **2011**, 29, 2712-9	4.1	89
27	Comparison of humoral and cellular immune responses to inactivated swine influenza virus vaccine in weaned pigs. *Veterinary Immunology and Immunopathology*, **2011**, 142, 252-7	2	18
26	Isolamento e caracterizaõ do vrus da influenza pandmico H1N1 em suínos no Brasil. *Pesquisa Veterinaria Brasileira*, **2011**, 31, 761-767	0.4	23
25	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, 456-69	6.6	69
24	A novel monoclonal antibody effective against lethal challenge with swine-lineage and 2009 pandemic H1N1 influenza viruses in mice. *Virology*, **2011**, 417, 379-84	3.6	7
23	Characterization of H1N1 swine influenza viruses circulating in Canadian pigs in 2009. *Journal of Virology*, **2011**, 85, 8667-79	6.6	31
22	Utility of a panviral microarray for detection of swine respiratory viruses in clinical samples. *Journal of Clinical Microbiology*, **2011**, 49, 1542-8	9.7	17
21	DNA vaccination elicits protective immune responses against pandemic and classic swine influenza viruses in pigs. *Vaccine Journal*, **2011**, 18, 1987-95		44
20	Genetic and antigenic characterization of H1 influenza viruses from United States swine from 2008. *Journal of General Virology*, **2011**, 92, 919-30	4.9	99
19	Experimental inoculation of pigs with pandemic H1N1 2009 virus and HI cross-reactivity with contemporary swine influenza virus antisera. *Influenza and Other Respiratory Viruses*, **2010**, 4, 53-60	5.6	61
18	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	1.5	61
17	Influenza virus coinfection with Bordetella bronchiseptica enhances bacterial colonization and host responses exacerbating pulmonary lesions. *Microbial Pathogenesis*, **2010**, 49, 237-45	3.8	55
16	Efficacy of inactivated swine influenza virus vaccines against the 2009 A/H1N1 influenza virus in pigs. *Vaccine*, **2010**, 28, 2782-7	4.1	68
15	Identification and characterization of a highly virulent triple reassortant H1N1 swine influenza virus in the United States. *Virus Genes*, **2010**, 40, 28-36	2.3	29
14	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, 83-7	2.6	33
13	Absence of 2009 pandemic H1N1 influenza A virus in fresh pork. *PLoS ONE*, **2009**, 4, e8367	3.7	22

12	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, 51-9	3.3	95
11	Characterization of a newly emerged genetic cluster of H1N1 and H1N2 swine influenza virus in the United States. *Virus Genes*, **2009**, 39, 176-85	2.3	127
10	Swine influenza matrix 2 (M2) protein contributes to protection against infection with different H1 swine influenza virus (SIV) isolates. *Vaccine*, **2009**, 28, 523-31	4.1	37
9	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, 310-23	3.3	104
8	Swine influenza viruses a North American perspective. *Advances in Virus Research*, **2008**, 72, 127-54	10.7	278
7	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, 20949-54	11.5	173
6	Efficacy of intranasal administration of a truncated NS1 modified live influenza virus vaccine in swine. *Vaccine*, **2007**, 25, 7999-8009	4.1	100
5	Evaluation of hemagglutinin subtype 1 swine influenza viruses from the United States. *Veterinary Microbiology*, **2006**, 118, 212-22	3.3	102
4	Vaccination of pigs against swine influenza viruses by using an NS1-truncated modified live-virus vaccine. *Journal of Virology*, **2006**, 80, 11009-18	6.6	137
3	Novel swine influenza virus subtype H3N1, United States. *Emerging Infectious Diseases*, **2006**, 12, 787-94	10.2	71
2	Coordinated evolution between N2 neuraminidase and H1 and H3 hemagglutinin genes increased influenza A virus genetic diversity in swine		2
1	Mitigating Pandemic Risk with Influenza A Virus Field Surveillance at a Swine-Human Interface		6