

# Kirsten M Spann

## List of Publications by Year in descending order

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63  
papers

3,164  
citations

186209

28  
h-index

161767

54  
g-index

68  
all docs

68  
docs citations

68  
times ranked

4286  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of the Induction of Alpha, Beta, and Gamma Interferons by the NS1 and NS2 Proteins of Human Respiratory Syncytial Virus in Human Epithelial Cells and Macrophages. <i>Journal of Virology</i> , 2004, 78, 4363-4369.	1.5	393
2	Effects of Nonstructural Proteins NS1 and NS2 of Human Respiratory Syncytial Virus on Interferon Regulatory Factor 3, NF- $\kappa$ B, and Proinflammatory Cytokines. <i>Journal of Virology</i> , 2005, 79, 5353-5362.	1.5	246
3	Taxonomy of the order Mononegavirales: update 2019. <i>Archives of Virology</i> , 2019, 164, 1967-1980.	0.9	224
4	2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , 2020, 165, 3023-3072.	0.9	184
5	Gill-associated virus of <i>Penaeus monodon</i> prawns: an invertebrate virus with ORF1a and ORF1b genes related to arteri- and coronaviruses. <i>Journal of General Virology</i> , 2000, 81, 1473-1484.	1.3	142
6	Hendra virus: an emerging paramyxovirus in Australia. <i>Lancet Infectious Diseases</i> , The, 2012, 12, 799-807.	4.6	104
7	Alpha and Lambda Interferon Together Mediate Suppression of CD4 T Cells Induced by Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2006, 80, 5032-5040.	1.5	101
8	Antiviral and Antibacterial Nanostructured Surfaces with Excellent Mechanical Properties for Hospital Applications. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3608-3618.	2.6	88
9	Aeroallergen-induced IL-33 predisposes to respiratory virus-induced asthma by dampening antiviral immunity. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1326-1337.	1.5	87
10	Respiratory Syncytial Virus Infection Promotes Necroptosis and HMGB1 Release by Airway Epithelial Cells. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1358-1371.	2.5	85
11	Genetic Recombination during Coinfection of Two Mutants of Human Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2003, 77, 11201-11211.	1.5	82
12	Plasmacytoid Dendritic Cells Promote Host Defense against Acute Pneumovirus Infection via the TLR7-MyD88-Dependent Signaling Pathway. <i>Journal of Immunology</i> , 2011, 186, 5938-5948.	0.4	80
13	Viral and host factors determine innate immune responses in airway epithelial cells from children with wheeze and atopy. <i>Thorax</i> , 2014, 69, 918-925.	2.7	72
14	Taxonomy of the order Mononegavirales: second update 2018. <i>Archives of Virology</i> , 2019, 164, 1233-1244.	0.9	70
15	Plasmacytoid dendritic cells protect from viral bronchiolitis and asthma through semaphorin 4a-mediated T reg expansion. <i>Journal of Experimental Medicine</i> , 2018, 215, 537-557.	4.2	65
16	Chronic IL-33 expression predisposes to virus-induced asthma exacerbations by increasing type 2 inflammation and dampening antiviral immunity. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1607-1619.e9.	1.5	64
17	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , 2021, 166, 3513-3566.	0.9	62
18	Toll-like receptor 7 gene deficiency and early-life Pneumovirus infection interact to predispose toward the development of asthma-like pathology in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1331-1339.e10.	1.5	59

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19	Opinion to address the personal protective equipment shortage in the global community during the COVID-19 outbreak. <i>Polymer Degradation and Stability</i> , 2020, 176, 109162.	2.7	55
20	Vertical transmission of gill-associated virus (GAV) in the black tiger prawn <i>Penaeus monodon</i> . <i>Diseases of Aquatic Organisms</i> , 2002, 50, 95-104.	0.5	55
21	Antiviral Nanostructured Surfaces Reduce the Viability of SARS-CoV-2. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4858-4861.	2.6	52
22	The role of respiratory droplet physicochemistry in limiting and promoting the airborne transmission of human coronaviruses: A critical review. <i>Environmental Pollution</i> , 2021, 276, 115767.	3.7	50
23	PGD2/DP2 receptor activation promotes severe viral bronchiolitis by suppressing IFN- $\gamma$ production. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	49
24	The Human Respiratory Syncytial Virus Nonstructural Protein 1 Regulates Type I and Type II Interferon Pathways. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 108-127.	2.5	45
25	Differential neutrophil activation in viral infections: Enhanced TLR $\gamma$ -mediated CXCL8 release in asthma. <i>Respirology</i> , 2016, 21, 172-179.	1.3	42
26	Susceptibility of an Airborne Common Cold Virus to Relative Humidity. <i>Environmental Science &amp; Technology</i> , 2021, 55, 499-508.	4.6	40
27	Detection of gill-associated virus (GAV) by in situ hybridization during acute and chronic infections of <i>Penaeus monodon</i> and <i>P. esculentus</i> . <i>Diseases of Aquatic Organisms</i> , 2003, 56, 1-10.	0.5	33
28	Targeting the P2Y <sub>13</sub> Receptor Suppresses IL-33 and HMGB1 Release and Ameliorates Experimental Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 300-312.	2.5	33
29	The Gene Encoding the Nucleocapsid Protein of Gill-Associated Nidovirus of <i>Penaeus monodon</i> Prawns Is Located Upstream of the Glycoprotein Gene. <i>Journal of Virology</i> , 2004, 78, 8935-8941.	1.5	31
30	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodeling. <i>PLoS Pathogens</i> , 2020, 16, e1008651.	2.1	31
31	A HIV-1 Tat mutant protein disrupts HIV-1 Rev function by targeting the DEAD-box RNA helicase DDX1. <i>Retrovirology</i> , 2014, 11, 121.	0.9	28
32	Codon stabilization analysis of the $\alpha$ 248-temperature sensitive mutation for increased phenotypic stability of respiratory syncytial virus vaccine candidates. <i>Vaccine</i> , 2009, 27, 5667-5676.	1.7	27
33	Human Metapneumovirus Infection in Chronic Obstructive Pulmonary Disease: Impact of Glucocorticosteroids and Interferon. <i>Journal of Infectious Diseases</i> , 2017, 215, 1536-1545.	1.9	27
34	Human respiratory syncytial virus non-structural protein NS1 modifies miR-24 expression via transforming growth factor- $\beta$ 2. <i>Journal of General Virology</i> , 2015, 96, 3179-3191.	1.3	27
35	Humidity-Dependent Survival of an Airborne Influenza A Virus: Practical Implications for Controlling Airborne Viruses. <i>Environmental Science and Technology Letters</i> , 2021, 8, 412-418.	3.9	25
36	RAGE deficiency predisposes mice to virus-induced paucigranulocytic asthma. <i>ELife</i> , 2017, 6, .	2.8	24

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37	RT-nested PCR detection of Mourilyan virus in Australian <i>Penaeus monodon</i> and its tissue distribution in healthy and moribund prawns. <i>Diseases of Aquatic Organisms</i> , 2005, 66, 91-104.	0.5	23
38	IRF-3, IRF-7, and IPS-1 Promote Host Defense against Acute Human Metapneumovirus Infection in Neonatal Mice. <i>American Journal of Pathology</i> , 2014, 184, 1795-1806.	1.9	22
39	The Eukaryotic Elongation Factor 1A Is Critical for Genome Replication of the Paramyxovirus Respiratory Syncytial Virus. <i>PLoS ONE</i> , 2014, 9, e114447.	1.1	22
40	The Impact of Early-Life Exposure to Air-borne Environmental Insults on the Function of the Airway Epithelium in Asthma. <i>Annals of Global Health</i> , 2018, 82, 28.	0.8	21
41	Human Metapneumovirus Impairs Apoptosis of Nasal Epithelial Cells in Asthma via HSP70. <i>Journal of Innate Immunity</i> , 2017, 9, 52-64.	1.8	20
42	In situ detection of Australian gill-associated virus with a yellow head virus gene probe. <i>Aquaculture</i> , 2002, 205, 1-5.	1.7	19
43	Specific Interaction between eEF1A and HIV RT Is Critical for HIV-1 Reverse Transcription and a Potential Anti-HIV Target. <i>PLoS Pathogens</i> , 2015, 11, e1005289.	2.1	16
44	A Mutant Tat Protein Inhibits HIV-1 Reverse Transcription by Targeting the Reverse Transcription Complex. <i>Journal of Virology</i> , 2015, 89, 4827-4836.	1.5	16
45	Mutation of the elongin C binding domain of human respiratory syncytial virus non-structural protein 1 (NS1) results in degradation of NS1 and attenuation of the virus. <i>Virology Journal</i> , 2011, 8, 252.	1.4	15
46	The Absence of Interferon- $\gamma$ Promotor Stimulator-1 (IPS-1) Predisposes to Bronchiolitis and Asthma-like Pathology in Response to Pneumoviral Infection in Mice. <i>Scientific Reports</i> , 2017, 7, 2353.	1.6	12
47	The eukaryotic translation elongation factor 1A regulation of actin stress fibers is important for infectious RSV production. <i>Virology Journal</i> , 2018, 15, 182.	1.4	10
48	Binding of the eukaryotic translation elongation factor 1A with the 5'UTR of HIV-1 genomic RNA is important for reverse transcription. <i>Virology Journal</i> , 2015, 12, 118.	1.4	9
49	DC-SIGN and L-SIGN Are Attachment Factors That Promote Infection of Target Cells by Human Metapneumovirus in the Presence or Absence of Cellular Glycosaminoglycans. <i>Journal of Virology</i> , 2016, 90, 7848-7863.	1.5	9
50	Utility of Three Nebulizers in Investigating the Infectivity of Airborne Viruses. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0049721.	1.4	9
51	siRNA against the G gene of human metapneumovirus. <i>Virology Journal</i> , 2012, 9, 105.	1.4	8
52	Innate Immunity in the Middle Ear Mucosa. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 764772.	1.8	7
53	TiO <sub>2</sub> Nanostructures That Reduce the Infectivity of Human Respiratory Viruses Including SARS-CoV-2. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 2954-2959.	2.6	5
54	COPD Is Associated with Elevated IFN- $\gamma$ Production by Bronchial Epithelial Cells Infected with RSV or hMPV. <i>Viruses</i> , 2021, 13, 911.	1.5	4

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55	In Silico Analysis of Genetic Diversity of Human Hepatitis B Virus in Southeast Asia, Australia and New Zealand. <i>Viruses</i> , 2020, 12, 427.	1.5	3
56	Low Genetic Diversity of Hepatitis B Virus Surface Gene amongst Australian Blood Donors. <i>Viruses</i> , 2021, 13, 1275.	1.5	3
57	Prevalence of Neutralising Antibodies to HCoV-NL63 in Healthy Adults in Australia. <i>Viruses</i> , 2021, 13, 1618.	1.5	3
58	MLKL Regulates Rapid Cell Death-independent HMGB1 Release in RSV Infected Airway Epithelial Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	3
59	Ancestral Area Reconstruction of SARS-CoV-2 Indicates Multiple Sources of Entry into Australia. <i>Open Bioinformatics Journal</i> , 2021, 14, 13-20.	1.0	0
60	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodelling. , 2020, 16, e1008651.		0
61	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodelling. , 2020, 16, e1008651.		0
62	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodelling. , 2020, 16, e1008651.		0
63	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodelling. , 2020, 16, e1008651.		0