

# Laura C Miller

## List of Publications by Year in descending order

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50  
papers

1,401  
citations

361413

20  
h-index

345221

36  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1702  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic sequence and virulence comparison of four Type 2 porcine reproductive and respiratory syndrome virus strains. <i>Virus Research</i> , 2012, 169, 212-221.	2.2	128
2	Interferon type I response in porcine reproductive and respiratory syndrome virus-infected MARC-145 cells. <i>Archives of Virology</i> , 2004, 149, 2453-2463.	2.1	101
3	Experimental infection of United States swine with a Chinese highly pathogenic strain of porcine reproductive and respiratory syndrome virus. <i>Virology</i> , 2013, 435, 372-384.	2.4	98
4	Structure of Foot-and-mouth disease virus serotype A1061 alone and complexed with oligosaccharide receptor: receptor conservation in the face of antigenic variation. <i>Journal of General Virology</i> , 2005, 86, 1909-1920.	2.9	95
5	Porcine reproductive and respiratory disease virus: Evolution and recombination yields distinct ORF5 RFLP 1-7-4 viruses with individual pathogenicity. <i>Virology</i> , 2018, 513, 168-179.	2.4	75
6	Macrophage Polarization in Virus-Host Interactions. <i>Journal of Clinical &amp; Cellular Immunology</i> , 2015, 06, .	1.5	73
7	Status of vaccines for porcine epidemic diarrhea virus in the United States and Canada. <i>Virus Research</i> , 2016, 226, 108-116.	2.2	65
8	Apoptosis and porcine reproductive and respiratory syndrome virus. <i>Veterinary Immunology and Immunopathology</i> , 2004, 102, 131-142.	1.2	62
9	Evaluation of porcine epidemic diarrhea virus transmission and the immune response in growing pigs. <i>Veterinary Research</i> , 2015, 46, 49.	3.0	44
10	Role of the Cytoplasmic Domain of the $\beta$ -Subunit of Integrin $\alpha$ 26 in Infection by Foot-and-Mouth Disease Virus. <i>Journal of Virology</i> , 2001, 75, 4158-4164.	3.4	43
11	Role of Toll-Like Receptors in Activation of Porcine Alveolar Macrophages by Porcine Reproductive and Respiratory Syndrome Virus. <i>Vaccine Journal</i> , 2009, 16, 360-365.	3.1	42
12	The Presence of Alpha Interferon at the Time of Infection Alters the Innate and Adaptive Immune Responses to Porcine Reproductive and Respiratory Syndrome Virus. <i>Vaccine Journal</i> , 2012, 19, 508-514.	3.1	34
13	Reactomes of Porcine Alveolar Macrophages Infected with Porcine Reproductive and Respiratory Syndrome Virus. <i>PLoS ONE</i> , 2013, 8, e59229.	2.5	33
14	Efficacy of Type 2 PRRSV vaccine against Chinese and Vietnamese HP-PRRSV challenge in pigs. <i>Vaccine</i> , 2014, 32, 6457-6462.	3.8	33
15	Epigenetic Evolution of ACE2 and IL-6 Genes: Non-Canonical Interferon-Stimulated Genes Correlate to COVID-19 Susceptibility in Vertebrates. <i>Genes</i> , 2021, 12, 154.	2.4	31
16	Analysis of the swine tracheobronchial lymph node transcriptomic response to infection with a Chinese highly pathogenic strain of porcine reproductive and respiratory syndrome virus. <i>BMC Veterinary Research</i> , 2012, 8, 208.	1.9	30
17	Cross-Species Genome-Wide Analysis Reveals Molecular and Functional Diversity of the Unconventional Interferon- $\beta$ Subtype. <i>Frontiers in Immunology</i> , 2019, 10, 1431.	4.8	28
18	Chinese and Vietnamese strains of HP-PRRSV cause different pathogenic outcomes in United States high health swine. <i>Virology</i> , 2013, 446, 238-250.	2.4	26

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19	Evaluation of a Real-Time PCR Kit for Detecting Escherichia coli O157 in Bovine Fecal Samples. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1855-1857.	3.1	25
20	Gene expression profiling of bovine macrophages in response to O157:H7 lipopolysaccharide. <i>Developmental and Comparative Immunology</i> , 2004, 28, 635-645.	2.3	25
21	Utility of a Panviral Microarray for Detection of Swine Respiratory Viruses in Clinical Samples. <i>Journal of Clinical Microbiology</i> , 2011, 49, 1542-1548.	3.9	21
22	Evaluation of a real-time polymerase chain reaction assay for Pseudorabies virus surveillance purposes. <i>Journal of Veterinary Diagnostic Investigation</i> , 2012, 24, 739-745.	1.1	21
23	Evaluation of two real-time polymerase chain reaction assays for Porcine epidemic diarrhea virus (PEDV) to assess PEDV transmission in growing pigs. <i>Journal of Veterinary Diagnostic Investigation</i> , 2016, 28, 20-29.	1.1	20
24	Reduction of infection by inhibiting mTOR pathway is associated with reversed repression of type I interferon by porcine reproductive and respiratory syndrome virus. <i>Journal of General Virology</i> , 2017, 98, 1316-1328.	2.9	20
25	Evolutionary characterization of pig interferon-inducible transmembrane gene family and member expression dynamics in tracheobronchial lymph nodes of pigs infected with swine respiratory disease viruses. <i>Veterinary Immunology and Immunopathology</i> , 2014, 159, 180-191.	1.2	19
26	Susceptibility of swine to H5 and H7 low pathogenic avian influenza viruses. <i>Influenza and Other Respiratory Viruses</i> , 2016, 10, 346-352.	3.4	17
27	Immunometabolic Dysregulation at the Intersection of Obesity and COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 732913.	4.8	16
28	Cytokine Protein Expression Levels in Tracheobronchial Lymph Node Homogenates of Pigs Infected with Pseudorabies Virus. <i>Vaccine Journal</i> , 2010, 17, 728-734.	3.1	15
29	Development and characterization of two porcine monocyte-derived macrophage cell lines. <i>Results in Immunology</i> , 2013, 3, 26-32.	2.2	15
30	Differentially Expressed MiRNAs and tRNA Genes Affect Host Homeostasis During Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus Infections in Young Pigs. <i>Frontiers in Genetics</i> , 2019, 10, 691.	2.3	15
31	Against the Odds: Syringe Exchange Policy Implementation in Indiana. <i>AIDS and Behavior</i> , 2017, 21, 973-981.	2.7	14
32	Identification of small non-coding RNA classes expressed in swine whole blood during HP-PRRSV infection. <i>Virology</i> , 2018, 517, 56-61.	2.4	13
33	Integrate structural analysis, isoform diversity, and interferon-inductive propensity of ACE2 to predict SARS-CoV2 susceptibility in vertebrates. <i>Heliyon</i> , 2020, 6, e04818.	3.2	13
34	Comparative analysis of signature genes in PRRSV-infected porcine monocyte-derived cells to different stimuli. <i>PLoS ONE</i> , 2017, 12, e0181256.	2.5	13
35	In-Depth Global Analysis of Transcript Abundance Levels in Porcine Alveolar Macrophages Following Infection with Porcine Reproductive and Respiratory Syndrome Virus. <i>Advances in Virology</i> , 2010, 2010, 1-12.	1.1	12
36	Impact of Porcine Arterivirus, Influenza B, and Their Coinfection on Antiviral Response in the Porcine Lung. <i>Pathogens</i> , 2020, 9, 934.	2.8	8

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37	Leading edge analysis of transcriptomic changes during pseudorabies virus infection. <i>Genomics Data</i> , 2016, 10, 104-106.	1.3	7
38	Comparison of the Transcriptome Response within the Swine Tracheobronchial Lymphnode Following Infection with PRRSV, PCV-2 or IAV-S.. <i>Pathogens</i> , 2020, 9, 99.	2.8	7
39	Effect of Porcine Reproductive and Respiratory Syndrome Virus on Porcine Alveolar Macrophage Function as Determined Using Serial Analysis of Gene Expression (SAGE). <i>Developments in Biologicals</i> , 2008, 132, 169-174.	0.5	7
40	Itâ€™s Not Just a Yes or No Answer: Expressions of Local Health Department Accreditation. <i>Frontiers in Public Health</i> , 2016, 4, 21.	2.7	6
41	Inhibition of Antiviral Innate Immunity by Foot-and-Mouth Disease Virus L <sup>pro</sup> through Interaction with the N-Terminal Domain of Swine RNase L. <i>Journal of Virology</i> , 2021, 95, e0036121.	3.4	6
42	Harness Organoid Models for Virological Studies in Animals: A Cross-Species Perspective. <i>Frontiers in Microbiology</i> , 2021, 12, 725074.	3.5	5
43	Effects of Pseudorabies Virus Infection on the Tracheobronchial Lymph Node Transcriptome. <i>Bioinformatics and Biology Insights</i> , 2015, 9s2, BBI.S30522.	2.0	4
44	Enhancement of innate immunity with granulocyte colony-stimulating factor did not mitigate disease in pigs infected with a highly pathogenic Chinese PRRSV strain. <i>Veterinary Immunology and Immunopathology</i> , 2016, 179, 70-76.	1.2	3
45	Epigenetic Evolution of ACE2 and IL-6 Genes as Non-Canonical Interferon-Stimulated Genes Correlate to COVID-19 Susceptibility in Vertebrates. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
46	Development of Cell Lines from the Sheep Used to Construct the CHORI-243 Ovine BAC Library. <i>Animal Biotechnology</i> , 2008, 19, 84-88.	1.5	2
47	Dual purpose with dual benefit research models in veterinary and biomedical research. <i>Veterinary Immunology and Immunopathology</i> , 2014, 159, 111-112.	1.2	1
48	Theme Issue on Asia Knowledge: Inside and Outside the Ivory Tower. <i>Journal of American-East Asian Relations</i> , 2013, 20, 311-323.	0.1	0
49	Identification of Coding and Non-coding RNA Classes Expressed in Swine Whole Blood. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	0
50	Transcriptomic Analysis of Liver Indicates Novel Vaccine to Porcine Reproductive and Respiratory Virus Promotes Homeostasis in T-Cell and Inflammatory Immune Responses Compared to a Commercial Vaccine in Pigs. <i>Frontiers in Veterinary Science</i> , 2022, 9, 791034.	2.2	0