

# Kevin S Harrod

## List of Publications by Year in descending order

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68  
papers

3,087  
citations

117571

34  
h-index

168321

53  
g-index

74  
all docs

74  
docs citations

74  
times ranked

4893  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decreased Expression of Aquaporin (AQP)1 and AQP5 in Mouse Lung after Acute Viral Infection. American Journal of Respiratory Cell and Molecular Biology, 2000, 22, 34-44.	1.4	179
2	Nonspecific Inflammation Inhibits Adenovirus-Mediated Pulmonary Gene Transfer and Expression Independent of Specific Acquired Immune Responses. Human Gene Therapy, 1998, 9, 2207-2222.	1.4	142
3	Increased Susceptibility to RSV Infection by Exposure to Inhaled Diesel Engine Emissions. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 451-463.	1.4	139
4	Clara Cell Secretory Protein Modulates Lung Inflammatory and Immune Responses to Respiratory Syncytial Virus Infection. Journal of Immunology, 2003, 171, 1051-1060.	0.4	116
5	Human Metapneumovirus Persists in BALB/c Mice despite the Presence of Neutralizing Antibodies. Journal of Virology, 2004, 78, 14003-14011.	1.5	103
6	Integrative "Omic" Analysis of Experimental Bacteremia Identifies a Metabolic Signature That Distinguishes Human Sepsis from Systemic Inflammatory Response Syndromes. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 445-455.	2.5	100
7	The SARS-CoV ferret model in an infection "challenge" study. Virology, 2008, 374, 151-163.	1.1	99
8	Impaired NLRP3 Inflammasome Function in Elderly Mice during Influenza Infection Is Rescued by Treatment with Nigericin. Journal of Immunology, 2012, 188, 2815-2824.	0.4	92
9	Single-Dose Intranasal Administration of AdCOVID Elicits Systemic and Mucosal Immunity against SARS-CoV-2 and Fully Protects Mice from Lethal Challenge. Vaccines, 2021, 9, 881.	2.1	86
10	Clara cell secretory protein decreases lung inflammation after acute virus infection. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 275, L924-L930.	1.3	82
11	ERS/ATS workshop report on respiratory health effects of household air pollution. European Respiratory Journal, 2018, 51, 1700698.	3.1	81
12	Anti-inflammatory effect of MUC1 during respiratory syncytial virus infection of lung epithelial cells in vitro. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 298, L558-L563.	1.3	75
13	Enhanced acetylation of alpha-tubulin in influenza A virus infected epithelial cells. FEBS Letters, 2011, 585, 128-132.	1.3	70
14	Regulation and function of CCSP during pulmonary <i>Pseudomonas aeruginosa</i> infection in vivo. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L452-L459.	1.3	64
15	Higher Level of Replication Efficiency of 2009 (H1N1) Pandemic Influenza Virus than Those of Seasonal and Avian Strains: Kinetics from Epithelial Cell Culture and Computational Modeling. Journal of Virology, 2011, 85, 1125-1135.	1.5	64
16	Acute inflammatory response and remodeling of airway epithelium after subspecies B1 human adenovirus infection of the mouse lower respiratory tract. Journal of Medical Virology, 2003, 71, 233-244.	2.5	63
17	Inhaled Diesel Engine Emissions Reduce Bacterial Clearance and Exacerbate Lung Disease to <i>Pseudomonas aeruginosa</i> Infection In Vivo. Toxicological Sciences, 2004, 83, 155-165.	1.4	60
18	SARS-CoV-2 may regulate cellular responses through depletion of specific host miRNAs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L444-L455.	1.3	60

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19	Delta inulin polysaccharide adjuvant enhances the ability of split-virion H5N1 vaccine to protect against lethal challenge in ferrets. <i>Vaccine</i> , 2011, 29, 6242-6251.	1.7	58
20	Primary Severe Acute Respiratory Syndrome Coronavirus Infection Limits Replication but Not Lung Inflammation upon Homologous Rechallenge. <i>Journal of Virology</i> , 2012, 86, 4234-4244.	1.5	58
21	Lack of Innate Interferon Responses during SARS Coronavirus Infection in a Vaccination and Reinfection Ferret Model. <i>PLoS ONE</i> , 2012, 7, e45842.	1.1	58
22	Cigarette smoke suppresses Th1 cytokine production and increases RSV expression in a neonatal model. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 290, L222-L231.	1.3	57
23	SP-A enhances viral clearance and inhibits inflammation after pulmonary adenoviral infection. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 277, L580-L588.	1.3	54
24	CCSP modulates airway dysfunction and host responses in an Ova-challenged mouse model. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 281, L1303-L1311.	1.3	54
25	Effects of Low Sulfur Fuel and a Catalyzed Particle Trap on the Composition and Toxicity of Diesel Emissions. <i>Environmental Health Perspectives</i> , 2004, 112, 1307-1312.	2.8	51
26	Engine-Operating Load Influences Diesel Exhaust Composition and Cardiopulmonary and Immune Responses. <i>Environmental Health Perspectives</i> , 2011, 119, 1136-1141.	2.8	51
27	Influenza-mediated reduction of lung epithelial ion channel activity leads to dysregulated pulmonary fluid homeostasis. <i>JCI Insight</i> , 2018, 3, .	2.3	50
28	Exhaled Aerosol Transmission of Pandemic and Seasonal H1N1 Influenza Viruses in the Ferret. <i>PLoS ONE</i> , 2012, 7, e33118.	1.1	49
29	Influenza virus infection alters ion channel function of airway and alveolar cells: mechanisms and physiological sequelae. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L845-L858.	1.3	44
30	Neurovirulence of H5N1 Infection in Ferrets Is Mediated by Multifocal Replication in Distinct Permissive Neuronal Cell Regions. <i>PLoS ONE</i> , 2012, 7, e46605.	1.1	41
31	Role of nicotinic receptors and acetylcholine in mucous cell metaplasia, hyperplasia, and airway mucus formation in vitro and in vivo. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 770-780.e11.	1.5	40
32	Severe acute respiratory syndrome-coronavirus infection in aged nonhuman primates is associated with modulated pulmonary and systemic immune responses. <i>Immunity and Ageing</i> , 2014, 11, 4.	1.8	40
33	Lung-Specific Expression of Adenovirus E3-14.7K in Transgenic Mice Attenuates Adenoviral Vector-Mediated Lung Inflammation and Enhances Transgene Expression. <i>Human Gene Therapy</i> , 1998, 9, 1885-1898.	1.4	39
34	Human Metapneumovirus Inhibits IFN- $\beta$ Signaling through Inhibition of STAT1 Phosphorylation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 38, 661-670.	1.4	39
35	Renal systems biology of patients with systemic inflammatory response syndrome. <i>Kidney International</i> , 2015, 88, 804-814.	2.6	38
36	Respiratory Syncytial Virus Impairs Macrophage IFN- $\beta$ and IFN- $\gamma$ Stimulated Transcription by Distinct Mechanisms. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 42, 404-414.	1.4	35

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37	IL-12p40 and IL-18 Modulate Inflammatory and Immune Responses to Respiratory Syncytial Virus Infection. <i>Journal of Immunology</i> , 2004, 173, 4040-4049.	0.4	34
38	Influenza A virus-induced caspase-3 cleaves the histone deacetylase 6 in infected epithelial cells. <i>FEBS Letters</i> , 2009, 583, 2517-2520.	1.3	33
39	Pulmonary surfactant lipids inhibit infections with the pandemic H1N1 influenza virus in several animal models. <i>Journal of Biological Chemistry</i> , 2020, 295, 1704-1715.	1.6	32
40	Influenza-Induced Oxidative Stress Sensitizes Lung Cells to Bacterial-Toxin-Mediated Necroptosis. <i>Cell Reports</i> , 2020, 32, 108062.	2.9	31
41	Matrix metalloproteinase-9 deficiency protects mice from severe influenza A viral infection. <i>JCI Insight</i> , 2018, 3, .	2.3	31
42	The influenza NS1 protein modulates RIG-I activation via a strain-specific direct interaction with the second CARD of RIG-I. <i>Journal of Biological Chemistry</i> , 2020, 295, 1153-1164.	1.6	27
43	Adenoviral E3-14.7K protein in LPS-induced lung inflammation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 278, L631-L639.	1.3	26
44	ATF4 regulates arsenic trioxide-mediated NADPH oxidase, ER-mitochondrial crosstalk and apoptosis. <i>Archives of Biochemistry and Biophysics</i> , 2016, 609, 39-50.	1.4	26
45	Gestational Exposure of Mice to Secondhand Cigarette Smoke Causes Bronchopulmonary Dysplasia Blocked by the Nicotinic Receptor Antagonist Mecamylamine. <i>Environmental Health Perspectives</i> , 2013, 121, 957-964.	2.8	25
46	Differential expression of spleen tyrosine kinase Syk isoforms in tissues: effects of the microbial flora. <i>Histochemistry and Cell Biology</i> , 2006, 126, 495-505.	0.8	24
47	Enhanced Viral Replication and Modulated Innate Immune Responses in Infant Airway Epithelium following H1N1 Infection. <i>Journal of Virology</i> , 2014, 88, 7412-7425.	1.5	23
48	The influenza NS1 protein modulates RIG-I activation via a strain-specific direct interaction with the second CARD of RIG-I. <i>Journal of Biological Chemistry</i> , 2020, 295, 1153-1164.	1.6	21
49	Response network analysis of differential gene expression in human epithelial lung cells during avian influenza infections. <i>BMC Bioinformatics</i> , 2010, 11, 170.	1.2	18
50	Interference with Intraepithelial TNF- $\alpha$ Signaling Inhibits CD8 <sup>+</sup> T-Cell-Mediated Lung Injury in Influenza Infection. <i>Viral Immunology</i> , 2010, 23, 639-645.	0.6	18
51	Regulation of STAT signaling in mouse bone marrow derived dendritic cells by respiratory syncytial virus. <i>Virus Research</i> , 2011, 156, 127-133.	1.1	18
52	<i>Pseudomonas aeruginosa</i> and Tumor Necrosis Factor- $\alpha$ Attenuate Clara Cell Secretory Protein Promoter Function. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2002, 26, 216-223.	1.4	17
53	Enhanced Immunogenicity, Mortality Protection, and Reduced Viral Brain Invasion by Alum Adjuvant with an H5N1 Split-Virion Vaccine in the Ferret. <i>PLoS ONE</i> , 2011, 6, e20641.	1.1	16
54	Human metapneumovirus inhibits the IL-6-induced JAK/STAT3 signalling cascade in airway epithelium. <i>Journal of General Virology</i> , 2014, 95, 26-37.	1.3	16

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55	Increased mortality associated with TCDD exposure in mice infected with influenza A virus is not due to severity of lung injury or alterations in Clara cell protein content. <i>Chemico-Biological Interactions</i> , 2005, 155, 181-190.	1.7	15
56	CCSP deficiency does not alter surfactant homeostasis during adenoviral infection. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 277, L983-L987.	1.3	14
57	Respiratory syncytial virus infection in anesthetized weanling rather than adult rats prolongs the apneic responses to right atrial injection of capsaicin. <i>Journal of Applied Physiology</i> , 2007, 102, 2201-2206.	1.2	14
58	Computational prediction of novel components of lung transcriptional networks. <i>Bioinformatics</i> , 2007, 23, 21-29.	1.8	13
59	Activating transcription factor 4 underlies the pathogenesis of arsenic trioxide-mediated impairment of macrophage innate immune functions. <i>Toxicology and Applied Pharmacology</i> , 2016, 308, 46-58.	1.3	10
60	A metabolomic endotype of bioenergetic dysfunction predicts mortality in critically ill patients with acute respiratory failure. <i>Scientific Reports</i> , 2021, 11, 10515.	1.6	9
61	Bik Mediates Caspase-Dependent Cleavage of Viral Proteins to Promote Influenza A Virus Infection. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 664-673.	1.4	8
62	Use of ferrets for electrophysiologic monitoring of ion transport. <i>PLoS ONE</i> , 2017, 12, e0186984.	1.1	7
63	Changes in HPBMC markers of immune function following controlled short-term inhalation exposures of humans to hardwood smoke. <i>Inhalation Toxicology</i> , 2016, 28, 61-70.	0.8	6
64	Transactivation of lung lysozyme expression by Ets family member ESE-1. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L1359-L1368.	1.3	5
65	Ebola: history, treatment, and lessons from a new emerging pathogen. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L307-L313.	1.3	4
66	Depressed Hypoxic and Hypercapnic Ventilatory Responses at Early Stage of Lethal Avian Influenza A Virus Infection in Mice. <i>PLoS ONE</i> , 2016, 11, e0147522.	1.1	3
67	The immunobiology of respiratory syncytial virus infection. <i>Clinical and Applied Immunology Reviews</i> , 2006, 6, 37-52.	0.4	1
68	Influenza Antiviral Subversion: Now the Host Is in on the Act. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 65, 1-3.	1.4	0