Kevin S Harrod

List of Publications by Year
in descending order

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	A metabolomic endotype of bioenergetic dysfunction predicts mortality in critically ill patients with acute respiratory failure. Scientific Reports, 2021, 11, 10515.	1.6	9
2	Influenza Antiviral Subversion: Now the Host Is in on the Act. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 1-3.	1.4	0
3	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
4	Pulmonary surfactant lipids inhibit infections with the pandemic H1N1 influenza virus in several animal models. Journal of Biological Chemistry, 2020, 295, 1704-1715.	1.6	32
5	The influenza NS1 protein modulates RIG-I activation via a strain-specific direct interaction with the second CARD of RIG-I. Journal of Biological Chemistry, 2020, 295, 1153-1164.	1.6	21
6	Influenza-Induced Oxidative Stress Sensitizes Lung Cells to Bacterial-Toxin-Mediated Necroptosis. Cell Reports, 2020, 32, 108062.	2.9	31
7	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
8	The influenza NS1 protein modulates RIG-I activation via a strain-specific direct interaction with the second CARD of RIG-I. Journal of Biological Chemistry, 2020, 295, 1153-1164.	1.6	27
9	ERS/ATS workshop report on respiratory health effects of household air pollution. European Respiratory Journal, 2018, 51, 1700698.	3.1	81
10	Influenza-mediated reduction of lung epithelial ion channel activity leads to dysregulated pulmonary fluid homeostasis. JCI Insight, 2018, 3, .	2.3	50
11	Matrix metalloproteinase-9 deficiency protects mice from severe influenza A viral infection. JCI Insight, 2018, 3, .	2.3	31
12	Influenza virus infection alters ion channel function of airway and alveolar cells: mechanisms and physiological sequelae. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L845-L858.	1.3	44
13	Use of ferrets for electrophysiologic monitoring of ion transport. PLoS ONE, 2017, 12, e0186984.	1.1	7
14	ATF4 regulates arsenic trioxide-mediated NADPH oxidase, ER-mitochondrial crosstalk and apoptosis. Archives of Biochemistry and Biophysics, 2016, 609, 39-50.	1.4	26
15	Activating transcription factor 4 underlies the pathogenesis of arsenic trioxide-mediated impairment of macrophage innate immune functions. Toxicology and Applied Pharmacology, 2016, 308, 46-58.	1.3	10
16	Changes in HPBMC markers of immmune function following controlled short-term inhalation exposures of humans to hardwood smoke. Inhalation Toxicology, 2016, 28, 61-70.	0.8	6
17	Bik Mediates Caspase-Dependent Cleavage of Viral Proteins to Promote Influenza A Virus Infection. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 664-673.	1.4	8
18	Depressed Hypoxic and Hypercapnic Ventilatory Responses at Early Stage of Lethal Avian Influenza A Virus Infection in Mice. PLoS ONE, 2016, 11, e0147522.	1.1	3

#	Article	IF	Citations
19	Renal systems biology of patients with systemic inflammatory response syndrome. Kidney International, 2015, 88, 804-814.	2.6	38
20	Ebola: history, treatment, and lessons from a new emerging pathogen. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L307-L313.	1.3	4
21	Enhanced Viral Replication and Modulated Innate Immune Responses in Infant Airway Epithelium following H1N1 Infection. Journal of Virology, 2014, 88, 7412-7425.	1.5	23
22	Human metapneumovirus inhibits the IL-6-induced JAK/STAT3 signalling cascade in airway epithelium. Journal of General Virology, 2014, 95, 26-37.	1.3	16
23	Severe acute respiratory syndrome-coronavirus infection in aged nonhuman primates is associated with modulated pulmonary and systemic immune responses. Immunity and Ageing, 2014, 11, 4.	1.8	40
24	Integrative â€œOmicâ€•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
25	Gestational Exposure of Mice to Secondhand Cigarette Smoke Causes Bronchopulmonary Dysplasia Blocked by the Nicotinic Receptor Antagonist Mecamylamine. Environmental Health Perspectives, 2013, 121, 957-964.	2.8	25
26	Primary Severe Acute Respiratory Syndrome Coronavirus Infection Limits Replication but Not Lung Inflammation upon Homologous Rechallenge. Journal of Virology, 2012, 86, 4234-4244.	1.5	58
27	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
28	Role of nicotinic receptors and acetylcholine in mucous cell metaplasia, hyperplasia, and airway mucus formation inÂvitro and inÂvivo. Journal of Allergy and Clinical Immunology, 2012, 130, 770-780.e11.	1.5	40
29	Lack of Innate Interferon Responses during SARS Coronavirus Infection in a Vaccination and Reinfection Ferret Model. PLoS ONE, 2012, 7, e45842.	1.1	58
30	Neurovirulence of H5N1 Infection in Ferrets Is Mediated by Multifocal Replication in Distinct Permissive Neuronal Cell Regions. PLoS ONE, 2012, 7, e46605.	1.1	41
31	Exhaled Aerosol Transmission of Pandemic and Seasonal H1N1 Influenza Viruses in the Ferret. PLoS ONE, 2012, 7, e33118.	1.1	49
32	Delta inulin polysaccharide adjuvant enhances the ability of split-virion H5N1 vaccine to protect against lethal challenge in ferrets. Vaccine, 2011, 29, 6242-6251.	1.7	58
33	Regulation of STAT signaling in mouse bone marrow derived dendritic cells by respiratory syncytial virus. Virus Research, 2011, 156, 127-133.	1.1	18
34	Enhanced Immunogenicity, Mortality Protection, and Reduced Viral Brain Invasion by Alum Adjuvant with an H5N1 Split-Virion Vaccine in the Ferret. PLoS ONE, 2011, 6, e20641.	1.1	16
35	Enhanced acetylation of alpha-tubulin in influenza A virus infected epithelial cells. FEBS Letters, 2011, 585, 128-132.	1.3	70
36	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

#	Article	IF	Citations
37	Engine-Operating Load Influences Diesel Exhaust Composition and Cardiopulmonary and Immune Responses. Environmental Health Perspectives, 2011, 119, 1136-1141.	2.8	51
38	Response network analysis of differential gene expression in human epithelial lung cells during avian influenza infections. BMC Bioinformatics, 2010, 11, 170.	1.2	18
39	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
40	Respiratory Syncytial Virus Impairs Macrophage IFN-Î±/Î²â€“ and IFN-Î³â€“Stimulated Transcription by Distinct Mechanisms. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 404-414.	1.4	35
41	Interference with Intraepithelial TNF-Î± Signaling Inhibits CD8⁺T-Cell-Mediated Lung Injury in Influenza Infection. Viral Immunology, 2010, 23, 639-645.	0.6	18
42	Influenza A virusâ€induced caspaseâ€3 cleaves the histone deacetylase 6 in infected epithelial cells. FEBS Letters, 2009, 583, 2517-2520.	1.3	33
43	The SARS-CoV ferret model in an infectionâ€“challenge study. Virology, 2008, 374, 151-163.	1.1	99
44	Human Metapneumovirus Inhibits IFN-Î± Signaling through Inhibition of STAT1 Phosphorylation. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 661-670.	1.4	39
45	Computational prediction of novel components of lung transcriptional networks. Bioinformatics, 2007, 23, 21-29.	1.8	13
46	Transactivation of lung lysozyme expression by Ets family member ESE-1. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L1359-L1368.	1.3	5
47	Respiratory syncytial virus infection in anesthetized weanling rather than adult rats prolongs the apneic responses to right atrial injection of capsaicin. Journal of Applied Physiology, 2007, 102, 2201-2206.	1.2	14
48	Differential expression of spleen tyrosine kinase Syk isoforms in tissues: effects of the microbial flora. Histochemistry and Cell Biology, 2006, 126, 495-505.	0.8	24
49	The immunobiology of respiratory syncytial virus infection. Clinical and Applied Immunology Reviews, 2006, 6, 37-52.	0.4	1
50	Cigarette smoke suppresses Th1 cytokine production and increases RSV expression in a neonatal model. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L222-L231.	1.3	57
51	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. Chemico-Biological Interactions, 2005, 155, 181-190.	1.7	15
52	Human Metapneumovirus Persists in BALB/c Mice despite the Presence of Neutralizing Antibodies. Journal of Virology, 2004, 78, 14003-14011.	1.5	103
53	Inhaled Diesel Engine Emissions Reduce Bacterial Clearance and Exacerbate Lung Disease to Pseudomonas aeruginosa Infection In Vivo. Toxicological Sciences, 2004, 83, 155-165.	1.4	60
54	IL-12p40 and IL-18 Modulate Inflammatory and Immune Responses to Respiratory Syncytial Virus Infection. Journal of Immunology, 2004, 173, 4040-4049.	0.4	34

#	Article	IF	Citations
55	Effects of Low Sulfur Fuel and a Catalyzed Particle Trap on the Composition and Toxicity of Diesel Emissions. Environmental Health Perspectives, 2004, 112, 1307-1312.	2.8	51
56	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
57	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
58	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
59	Pseudomonas aeruginosaand Tumor Necrosis Factor-Î± Attenuate Clara Cell Secretory Protein Promoter Function. American Journal of Respiratory Cell and Molecular Biology, 2002, 26, 216-223.	1.4	17
60	CCSP modulates airway dysfunction and host responses in an Ova-challenged mouse model. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L1303-L1311.	1.3	54
61	Regulation and function of CCSP during pulmonaryPseudomonas aeruginosainfection in vivo. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L452-L459.	1.3	64
62	Adenoviral E3-14.7K protein in LPS-induced lung inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L631-L639.	1.3	26
63	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
64	SP-A enhances viral clearance and inhibits inflammation after pulmonary adenoviral infection. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L580-L588.	1.3	54
65	CCSP deficiency does not alter surfactant homeostasis during adenoviral infection. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L983-L987.	1.3	14
66	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
67	Lung-Specific Expression of Adenovirus E3-14.7K in Transgenic Mice Attenuates Adenoviral Vector-Mediated Lung Inflammation and Enhances Transgene Expression. Human Gene Therapy, 1998, 9, 1885-1898.	1.4	39
68	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