

Lennart K A Lundblad

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

1,687
citations

22
h-index

40
g-index

65
ext. papers

1,913
ext. citations

4.7
avg, IF

4.2
L-index

#	Paper	IF	Citations
59	A reevaluation of the validity of unrestrained plethysmography in mice. <i>Journal of Applied Physiology</i> , 2002 , 93, 1198-207	3.7	211
58	Tumor necrosis factor-alpha overexpression in lung disease: a single cause behind a complex phenotype. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 1363-70	10.2	194
57	The allergic mouse model of asthma: normal smooth muscle in an abnormal lung?. <i>Journal of Applied Physiology</i> , 2004 , 96, 2019-27	3.7	175
56	Airway hyperresponsiveness in allergically inflamed mice: the role of airway closure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007 , 175, 768-74	10.2	117
55	Inhibition of arginase activity enhances inflammation in mice with allergic airway disease, in association with increases in protein S-nitrosylation and tyrosine nitration. <i>Journal of Immunology</i> , 2008 , 181, 4255-64	5.3	66
54	Epithelial NF- κ B orchestrates house dust mite-induced airway inflammation, hyperresponsiveness, and fibrotic remodeling. <i>Journal of Immunology</i> , 2013 , 191, 5811-21	5.3	63
53	Hemolytic phospholipase C inhibition protects lung function during <i>Pseudomonas aeruginosa</i> infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 184, 345-54	10.2	58
52	Nonlinearity of respiratory mechanics during bronchoconstriction in mice with airway inflammation. <i>Journal of Applied Physiology</i> , 2002 , 92, 1802-7	3.7	52
51	Transient mechanical benefits of a deep inflation in the injured mouse lung. <i>Journal of Applied Physiology</i> , 2002 , 93, 1709-15	3.7	47
50	The "Goldilocks effect" in cystic fibrosis: identification of a lung phenotype in the cftr knockout and heterozygous mouse. <i>BMC Genetics</i> , 2004 , 5, 21	2.6	43
49	Oscillation mechanics of the human lung periphery in asthma. <i>Journal of Applied Physiology</i> , 2004 , 97, 1849-58	3.7	43
48	Interleukin-1 receptor and caspase-1 are required for the Th17 response in nitrogen dioxide-promoted allergic airway disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 48, 655-64	5.7	41
47	Robust detection of <i>P. aeruginosa</i> and <i>S. aureus</i> acute lung infections by secondary electrospray ionization-mass spectrometry (SESI-MS) breathprinting: from initial infection to clearance. <i>Journal of Breath Research</i> , 2013 , 7, 037106	3.1	39
46	Predicting the response of the injured lung to the mechanical breath profile. <i>Journal of Applied Physiology</i> , 2015 , 118, 932-40	3.7	29
45	Transient corticosteroid treatment permanently amplifies the Th2 response in a murine model of asthma. <i>Journal of Immunology</i> , 2004 , 172, 4995-5005	5.3	29
44	Antigen-induced mast cell expansion and bronchoconstriction in a mouse model of asthma. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 306, L196-206	5.8	27
43	Bronchodilatory effect of deep inspiration on the dynamics of bronchoconstriction in mice. <i>Journal of Applied Physiology</i> , 2007 , 103, 1696-705	3.7	26

42	Heterogeneity of bronchoconstriction does not distinguish mild asthmatic subjects from healthy controls when supine. <i>Journal of Applied Physiology</i> , 2008 , 104, 10-9	3.7	24
41	Tumor necrosis factor alpha, citrullination, and peptidylarginine deiminase 4 in lung and joint inflammation. <i>Arthritis Research and Therapy</i> , 2016 , 18, 173	5.7	24
40	IL-1/inhibitory B kinase ̢-induced glycolysis augment epithelial effector function and promote allergic airways disease. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 435-450.e10	11.5	24
39	Absence of c-Jun NH2-terminal kinase 1 protects against house dust mite-induced pulmonary remodeling but not airway hyperresponsiveness and inflammation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 306, L866-75	5.8	23
38	The Temporal Evolution of Airways Hyperresponsiveness and Inflammation. <i>Journal of Allergy & Therapy</i> , 2012 , 1, 1-7		23
37	Detrimental effects of albuterol on airway responsiveness requires airway inflammation and is independent of ̢-receptor affinity in murine models of asthma. <i>Respiratory Research</i> , 2011 , 12, 27	7.3	22
36	Unrestrained video-assisted plethysmography: a noninvasive method for assessment of lung mechanical function in small animals. <i>Journal of Applied Physiology</i> , 2008 , 104, 253-61	3.7	18
35	In vivo-to-in silico iterations to investigate aeroallergen-host interactions. <i>PLoS ONE</i> , 2008 , 3, e2426	3.7	18
34	Endogenous distal airway progenitor cells, lung mechanics, and disproportionate lobar growth following long-term postpneumectomy in mice. <i>Stem Cells</i> , 2013 , 31, 1330-9	5.8	17
33	Genetic ablation of glutaredoxin-1 causes enhanced resolution of airways hyperresponsiveness and mucus metaplasia in mice with allergic airways disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012 , 303, L528-38	5.8	17
32	The endogenous Th17 response in NO2-promoted allergic airway disease is dispensable for airway hyperresponsiveness and distinct from Th17 adoptive transfer. <i>PLoS ONE</i> , 2013 , 8, e74730	3.7	17
31	Ablation of Glutaredoxin-1 Modulates House Dust Mite-Induced Allergic Airways Disease in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 55, 377-86	5.7	17
30	Towards the use of breath for detecting mycobacterial infection: a case study in a murine model. <i>Journal of Breath Research</i> , 2018 , 12, 026008	3.1	17
29	Mouse Invariant Monoclonal Antibody NKT14: A Novel Tool to Manipulate iNKT Cell Function In Vivo. <i>PLoS ONE</i> , 2015 , 10, e0140729	3.7	16
28	Airway responsiveness depends on the diffusion rate of methacholine across the airway wall. <i>Journal of Applied Physiology</i> , 2012 , 112, 1670-7	3.7	15
27	Developmental changes in respiratory mechanics in the neonatal rat. <i>Experimental Lung Research</i> , 2006 , 32, 263-73	2.3	12
26	Back to the future: re-establishing guinea pig in vivo asthma models. <i>Clinical Science</i> , 2020 , 134, 1219-1242	6.2	12
25	Airway epithelial specific deletion of Jun-N-terminal kinase 1 attenuates pulmonary fibrosis in two independent mouse models. <i>PLoS ONE</i> , 2020 , 15, e0226904	3.7	10

24	House dust mite models: will they translate clinically as a superior model of asthma?. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 132, 242-4	11.5	10
23	Thoracic gas volume measurements in paralyzed mice. <i>Annals of Biomedical Engineering</i> , 2004 , 32, 1420-7	4.7	10
22	Oscillometry in Chronic Obstructive Lung Disease: In vitro and in vivo evaluation of the impulse oscillometry and tremoflo devices. <i>Scientific Reports</i> , 2019 , 9, 11618	4.9	9
21	Effects of central airway shunting on the mechanical impedance of the mouse lung. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 497-507	4.7	8
20	Breath metabolome of mice infected with <i>Pseudomonas aeruginosa</i> . <i>Metabolomics</i> , 2019 , 15, 10	4.7	8
19	Applications of oscillometry in clinical research and practice. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2021 , 5, 54-68	0.6	8
18	Frequencies of micronucleated reticulocytes, a dosimeter of DNA double-strand breaks, in infants receiving computed tomography or cardiac catheterization. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2017 , 820, 8-18	3	7
17	Issues determining direct airways hyperresponsiveness in mice. <i>Frontiers in Physiology</i> , 2012 , 3, 408	4.6	7
16	The role of iNKT cells on the phenotypes of allergic airways in a mouse model. <i>Pulmonary Pharmacology and Therapeutics</i> , 2017 , 45, 80-89	3.5	6
15	Ablation of the Thiol Transferase Glutaredoxin-1 Augments Protein S-Glutathionylation and Modulates Type 2 Inflammatory Responses and IL-17 in a House Dust Mite Model of Allergic Airway Disease in Mice. <i>Annals of the American Thoracic Society</i> , 2016 , 13 Suppl 1, S97	4.7	6
14	Useful models of asthma need to properly phenotype airway narrowing. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011 , 45, 1272; author reply 1272-3	5.7	3
13	Mucous Obstruction and Airway Hyperresponsiveness in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 177, 1171-1172	10.2	3
12	Dissecting the inflammatory twitch in allergically inflamed mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L1003-9	5.8	3
11	Comparing lung oscillometry with a novel, portable flow interrupter device to measure lung mechanics. <i>Journal of Applied Physiology</i> , 2021 , 130, 933-940	3.7	2
10	Airway resistance: synonyms, surrogates, and precision. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011 , 300, L506; author reply L507	5.8	1
9	Lung function monitoring in the era of respiratory pandemics. <i>Clinical Physiology and Functional Imaging</i> , 2020 , 40, 377-379	2.4	1
8	Downregulation of DUOX1 function contributes to aging-related impairment of innate airway injury responses and accelerated senile emphysema. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 321, L144-L158	5.8	1
7	Glutathione-S-transferase P promotes glycolysis in asthma in association with oxidation of pyruvate kinase M2. <i>Redox Biology</i> , 2021 , 47, 102160	11.3	0

6 Oscillometry for Lung Function Testing **2019**, 25-47

5 Oscillometry for Lung Function Testing **2019**, 81-107

4 Airway epithelial specific deletion of Jun-N-terminal kinase 1 attenuates pulmonary fibrosis in two independent mouse models **2020**, 15, e0226904

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