Michael R Blackburn

List of Publications by Year
in descending order

96 papers	7,814 citations	34105 52 h-index	51608 86 g-index
97 all docs	97 docs citations	97 times ranked	9796 citing authors

#	Article	IF	Citations
1	Muc5b is required for airway defence. Nature, 2014, 505, 412-416.	27.8	617
2	Mucin Is Produced by Clara Cells in the Proximal Airways of Antigen-Challenged Mice. American Journal of Respiratory Cell and Molecular Biology, 2004, 31, 382-394.	2.9	263
3	Blockade of IL-6 Trans Signaling Attenuates Pulmonary Fibrosis. Journal of Immunology, 2014, 193, 3755-3768.	0.8	247
4	Role of A2B adenosine receptor signaling in adenosine-dependent pulmonary inflammation and injury. Journal of Clinical Investigation, 2006, 116, 2173-2182.	8.2	231
5	Adenosinergic Regulation of the Expansion and Immunosuppressive Activity of CD11b+Gr1+ Cells. Journal of Immunology, 2011, 187, 6120-6129.	0.8	223
6	Constant darkness is a circadian metabolic signal in mammals. Nature, 2006, 439, 340-343.	27.8	207
7	Future Directions in Idiopathic Pulmonary Fibrosis Research. An NHLBI Workshop Report. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 214-222.	5.6	199
8	Metabolic Consequences of Adenosine Deaminase Deficiency in Mice Are Associated with Defects in Alveogenesis, Pulmonary Inflammation, and Airway Obstruction. Journal of Experimental Medicine, 2000, 192, 159-170.	8.5	198
9	Detrimental effects of adenosine signaling in sickle cell disease. Nature Medicine, 2011, 17, 79-86.	30.7	172
10	Interleukin 6 Underlies Angiotensin IIâ€“Induced Hypertension and Chronic Renal Damage. Hypertension, 2012, 59, 136-144.	2.7	163
11	Central Role of Muc5ac Expression in Mucous Metaplasia and Its Regulation by Conserved 5â€² Elements. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 273-290.	2.9	155
12	Adenosine signaling contributes to ethanol-induced fatty liver in mice. Journal of Clinical Investigation, 2009, 119, 582-594.	8.2	152
13	Adenosine Deaminase-deficient Mice Generated Using a Two-stage Genetic Engineering Strategy Exhibit a Combined Immunodeficiency. Journal of Biological Chemistry, 1998, 273, 5093-5100.	3.4	148
14	Adenosine mediates IL-13â€“induced inflammation and remodeling in the lung and interacts in an IL-13â€“adenosine amplification pathway. Journal of Clinical Investigation, 2003, 112, 332-344.	8.2	147
15	STATâ€3 contributes to pulmonary fibrosis through epithelial injury and fibroblastâ€myofibroblast differentiation. FASEB Journal, 2016, 30, 129-140.	0.5	142
16	Adenosine Deaminase Deficiency: Metabolic Basis of Immune Deficiency and Pulmonary Inflammation. Advances in Immunology, 2005, 86, 1-41.	2.2	138
17	Resetting microbiota by Lactobacillus reuteri inhibits T reg deficiencyâ€induced autoimmunity via adenosine A2A receptors. Journal of Experimental Medicine, 2017, 214, 107-123.	8.5	136
18	Excess adenosine in murine penile erectile tissues contributes to priapism via A2B adenosine receptor signaling. Journal of Clinical Investigation, 2008, 118, 1491-1501.	8.2	128

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19	Adenosine and Dopamine Receptors Coregulate Photoreceptor Coupling via Gap Junction Phosphorylation in Mouse Retina. Journal of Neuroscience, 2013, 33, 3135-3150.	3.6	123
20	Too much of a good thing: adenosine overload in adenosine-deaminase-deficient mice. Trends in Pharmacological Sciences, 2003, 24, 66-70.	8.7	121
21	Alterations in Adenosine Metabolism and Signaling in Patients with Chronic Obstructive Pulmonary Disease and Idiopathic Pulmonary Fibrosis. PLoS ONE, 2010, 5, e9224.	2.5	118
22	A2B Adenosine Receptors Protect against Sepsis-Induced Mortality by Dampening Excessive Inflammation. Journal of Immunology, 2010, 185, 542-550.	0.8	117
23	Cadherinâ€11 contributes to pulmonary fibrosis: potential role in TGFâ€Î² production and epithelial to mesenchymal transition. FASEB Journal, 2012, 26, 503-512.	0.5	116
24	A1 adenosine receptors mediate hypoxia-induced ventriculomegaly. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11718-11722.	7.1	115
25	Beneficial Role of Erythrocyte Adenosine A2B Receptorâ€“Mediated AMP-Activated Protein Kinase Activation in High-Altitude Hypoxia. Circulation, 2016, 134, 405-421.	1.6	115
26	Adenosine signaling during acute and chronic disease states. Journal of Molecular Medicine, 2013, 91, 173-181.	3.9	114
27	Effect of A_{2B}Adenosine Receptor Gene Ablation on Adenosine-Dependent Regulation of Proinflammatory Cytokines. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 694-700.	2.5	106
28	Distinct Roles for the A2B Adenosine Receptor in Acute and Chronic Stages of Bleomycin-Induced Lung Injury. Journal of Immunology, 2011, 186, 1097-1106.	0.8	101
29	Equilibrative nucleoside transporter 1 (ENT1) regulates postischemic blood flow during acute kidney injury in mice. Journal of Clinical Investigation, 2012, 122, 693-710.	8.2	99
30	Disease-Specific Gene Expression Profiling in Multiple Models of Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 376-387.	5.6	96
31	Adenosine receptors as targets for therapeutic intervention in asthma and chronic obstructive pulmonary disease. Trends in Pharmacological Sciences, 2009, 30, 528-535.	8.7	95
32	Crosstalk between the equilibrative nucleoside transporter ENT2 and alveolar Adora2b adenosine receptors dampens acute lung injury. FASEB Journal, 2013, 27, 3078-3089.	0.5	95
33	Interleukin-6 Contributes to Inflammation and Remodeling in a Model of Adenosine Mediated Lung Injury. PLoS ONE, 2011, 6, e22667.	2.5	94
34	The A _{2B} adenosine receptor modulates pulmonary hypertension associated with interstitial lung disease. FASEB Journal, 2012, 26, 2546-2557.	0.5	90
35	Alveolar Epithelial A2B Adenosine Receptors in Pulmonary Protection during Acute Lung Injury. Journal of Immunology, 2015, 195, 1815-1824.	0.8	80
36	Murine ecto-5'-nucleotidase (CD73): cDNA cloning and tissue distribution. Gene, 1993, 133, 171-177.	2.2	76

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37	Increased adenosine contributes to penile fibrosis, a dangerous feature of priapism, via A _{2B} adenosine receptor signaling. FASEB Journal, 2010, 24, 740-749.	0.5	75
38	The Importance of Adenosine Deaminase for Lymphocyte Development and Function. Biochemical and Biophysical Research Communications, 2000, 272, 311-315.	2.1	74
39	Elevated Ecto-5'-nucleotidase-Mediated Increased Renal Adenosine Signaling Via A2B Adenosine Receptor Contributes to Chronic Hypertension. Circulation Research, 2013, 112, 1466-1478.	4.5	74
40	Osteopontin in Systemic Sclerosis and Its Role in Dermal Fibrosis. Journal of Investigative Dermatology, 2012, 132, 1605-1614.	0.7	71
41	Elevated Placental Adenosine Signaling Contributes to the Pathogenesis of Preeclampsia. Circulation, 2015, 131, 730-741.	1.6	68
42	Loss of CD73-mediated actin polymerization promotes endometrial tumor progression. Journal of Clinical Investigation, 2015, 126, 220-238.	8.2	68
43	Deletion of ADORA2B from myeloid cells dampens lung fibrosis and pulmonary hypertension. FASEB Journal, 2015, 29, 50-60.	0.5	66
44	Adenosine signaling in asthma and chronic obstructive pulmonary disease. Current Opinion in Pulmonary Medicine, 2006, 12, 54-59.	2.6	62
45	Adenosine metabolism and murine strain-specific IL-4-induced inflammation, emphysema, and fibrosis. Journal of Clinical Investigation, 2006, 116, 1274-1283.	8.2	62
46	Adenosine A2B Receptor and Hyaluronan Modulate Pulmonary Hypertension Associated with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 1038-1047.	2.9	61
47	Enhanced Airway Inflammation and Remodeling in Adenosine Deaminase-Deficient Mice Lacking the A2B Adenosine Receptor. Journal of Immunology, 2009, 182, 8037-8046.	0.8	60
48	Extracellular Adenosine Production by ecto-5â€²-Nucleotidase (CD73) Enhances Radiation-Induced Lung Fibrosis. Cancer Research, 2016, 76, 3045-3056.	0.9	60
49	Pharmacological Blockade of A2A Receptors Prevents Dermal Fibrosis in a Model of Elevated Tissue Adenosine. American Journal of Pathology, 2008, 172, 1675-1682.	3.8	58
50	Genetic Deletion of the A1Adenosine Receptor Limits Myocardial Ischemic Tolerance. Circulation Research, 2005, 96, 363-367.	4.5	56
51	In Vivo Transduction by Intravenous Injection of a Lentiviral Vector Expressing Human ADA into Neonatal ADA Gene Knockout Mice: A Novel Form of Enzyme Replacement Therapy for ADA Deficiency. Molecular Therapy, 2006, 13, 1110-1120.	8.2	56
52	Tissue-specific Rescue Suggests That Placental Adenosine Deaminase Is Important for Fetal Development in Mice. Journal of Biological Chemistry, 1995, 270, 23891-23894.	3.4	54
53	Attenuation of Chronic Pulmonary Inflammation in A_{2B} Adenosine Receptor Knockout Mice. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 564-571.	2.9	52
54	A₃Adenosine Receptor Signaling Influences Pulmonary Inflammation and Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2008, 39, 697-705.	2.9	49

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55	Ontogeny of Adenosine Deaminase in the Mouse Decidua and Placenta: Immunolocalization and Embryo Transfer Studies1. Biology of Reproduction, 1991, 44, 171-184.	2.7	48
56	Aqp5 Is a New Transcriptional Target of Dot1a and a Regulator of Aqp2. PLoS ONE, 2013, 8, e53342.	2.5	48
57	Hypoxia-induced Deoxycytidine Kinase Contributes to Epithelial Proliferation in Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1402-1412.	5.6	48
58	A Role of Erythrocytes in Adenosine Monophosphate Initiation of Hypometabolism in Mammals. Journal of Biological Chemistry, 2010, 285, 20716-20723.	3.4	45
59	Expression of Capacitative Calcium TrpC Proteins in Rat Myometrium During Pregnancy1. Biology of Reproduction, 2004, 70, 919-924.	2.7	44
60	A3Adenosine Receptor Signaling Contributes to Airway Mucin Secretion after Allergen Challenge. American Journal of Respiratory Cell and Molecular Biology, 2006, 35, 549-558.	2.9	44
61	Elevated adenosine signaling via adenosine A2B receptor induces normal and sickle erythrocyte sphingosine kinase 1 activity. Blood, 2015, 125, 1643-1652.	1.4	44
62	Coordinated Changes in mRNA Turnover, Translation, and RNA Processing Bodies in Bronchial Epithelial Cells following Inflammatory Stimulation. Molecular and Cellular Biology, 2008, 28, 7414-7426.	2.3	43
63	The p97-UFD1L-NPL4 Protein Complex Mediates Cytokine-Induced IÎºBÎ± Proteolysis. Molecular and Cellular Biology, 2014, 34, 335-347.	2.3	43
64	Adenosine and osteopontin contribute to the development of chronic obstructive pulmonary disease. FASEB Journal, 2010, 24, 70-80.	0.5	42
65	Altered Hypoxicâ€“Adenosine Axis and Metabolism in Group III Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 574-583.	2.9	41
66	Adenosine Deaminase Enzyme Therapy Prevents and Reverses the Heightened Cavernosal Relaxation in Priapism. Journal of Sexual Medicine, 2010, 7, 3011-3022.	0.6	38
67	Extracellular adenosine levels are associated with the progression and exacerbation of pulmonary fibrosis. FASEB Journal, 2016, 30, 874-883.	0.5	38
68	A_{2B}adenosine receptor contributes to penile erectionviaPI3K/AKT signaling cascadeâ€mediated eNOS activation. FASEB Journal, 2011, 25, 2823-2830.	0.5	36
69	Excess adenosine A2B receptor signaling contributes to priapism through HIFâ€1Î± mediated reduction of PDE5 gene expression. FASEB Journal, 2014, 28, 2725-2735.	0.5	34
70	Early postimplantation embryolethality in mice following in utero inhibition of adenosine deaminase with 2â€²-deoxycoformycin. Teratology, 1989, 40, 615-626.	1.6	32
71	A1 adenosine receptors mediate hypoglycemia-induced neuronal injury. Journal of Molecular Endocrinology, 2004, 32, 129-144.	2.5	32
72	Enhanced CXCL1 production and angiogenesis in adenosineâ€mediated lung disease. FASEB Journal, 2007, 21, 1026-1036.	0.5	32

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73	Adenosine and hyaluronan promote lung fibrosis and pulmonary hypertension in combined pulmonary fibrosis and emphysema. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	31
74	Adenosine promotes vascular barrier function in hyperoxic lung injury. Physiological Reports, 2014, 2, e12155.	1.7	29
75	Role of A2BAdenosine Receptors in Regulation of Paracrine Functions of Stem Cell Antigen 1-Positive Cardiac Stromal Cells. Journal of Pharmacology and Experimental Therapeutics, 2012, 341, 764-774.	2.5	28
76	Hypoxiaâ€induced deoxycytidine kinase expression contributes to apoptosis in chronic lung disease. FASEB Journal, 2013, 27, 2013-2026.	0.5	28
77	Coordinate activation of inflammatory gene networks, alveolar destruction and neonatal death in AKNA deficient mice. Cell Research, 2011, 21, 1564-1577.	12.0	27
78	Effects of adenosine deaminase and A1 receptor deficiency in normoxic and ischaemic mouse hearts. Cardiovascular Research, 2006, 71, 79-87.	3.8	24
79	Neonatal bone marrow transplantation of ADA-deficient SCID mice results in immunologic reconstitution despite low levels of engraftment and an absence of selective donor T lymphoid expansion. Blood, 2008, 111, 5745-5754.	1.4	24
80	High Levels of Adenosine Deaminase on Dendritic Cells Promote Autoreactive T Cell Activation and Diabetes in Nonobese Diabetic Mice. Journal of Immunology, 2011, 186, 6798-6806.	0.8	23
81	Mechanisms of apoptosis in developing thymocytes as revealed by adenosine deaminase-deficient fetal thymic organ cultures. Biochemical Pharmacology, 2003, 66, 1595-1599.	4.4	21
82	Alveolar Type II Epithelial Cell Dysfunction in Rat Experimental Hepatopulmonary Syndrome (HPS). PLoS ONE, 2014, 9, e113451.	2.5	21
83	Endogenous Adenosine Selectively Modulates Oxidant Stressviathe A₁Receptor in Ischemic Hearts. Antioxidants and Redox Signaling, 2009, 11, 2641-2650.	5.4	20
84	Abnormal Alveolar Development Associated with Elevated Adenine Nucleosides. American Journal of Respiratory Cell and Molecular Biology, 2004, 30, 38-50.	2.9	17
85	Sustained Adenosine Exposure Causes Lung Endothelial Barrier Dysfunction via Nucleoside Transporterâ€"Mediated Signaling. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 604-613.	2.9	16
86	Adenosine Deaminase Deficiency: Unanticipated Benefits from the Study of a Rare Immunodeficiency. Journal of Immunology, 2012, 188, 933-935.	0.8	15
87	Genetic modulation of adenosine receptor function and adenosine handling in murine hearts: Insights and issues. Journal of Molecular and Cellular Cardiology, 2007, 42, 693-705.	1.9	13
88	Excessive Penile Norepinephrine Level Underlies Impaired Erectile Function in Adenosine A1 Receptor Deficient Mice. Journal of Sexual Medicine, 2012, 9, 2552-2561.	0.6	12
89	Adenosine mediated desensitization of cAMP signaling enhances Tâ€cell responses. European Journal of Immunology, 2010, 40, 449-459.	2.9	9
90	IL-6 Mediates 11Î²HSD Type 2 to Effect Progression of the Mycobacterial Cord Factor Trehalose 6,6â€²-Dimycolate-Induced Granulomatous Response. NeuroImmunoModulation, 2011, 18, 212-225.	1.8	7

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91	Modulation of ischaemic contracture in mouse hearts: a â€˜supraphysiologicalâ€™ response to adenosine. Experimental Physiology, 2007, 92, 175-185.	2.0	6
92	P2Y6 and vascular inflammation. Blood, 2011, 117, 2304-2305.	1.4	3
93	A Semiautomated Framework for Integrating Expert Knowledge into Disease Marker Identification. Disease Markers, 2013, 35, 513-523.	1.3	3
94	Spare PRELI Gene Loci: Failsafe Chromosome Insurance?. PLoS ONE, 2012, 7, e37949.	2.5	2
95	Impact of endogenous adenosine on airway hyperreactivity. Drug Development Research, 2003, 58, 472-478.	2.9	1
96	Correction: Levels of Adenosine Deaminase on Dendritic Cells Promote Autoreactive T Cell Activation and Diabetes in Nonobese Diabetic Mice. Journal of Immunology, 2011, 187, 2031-2031.	0.8	0