Andrew J Halayko

List of Publications by Year
in descending order

243 papers	19,185 citations	20797 60 h-index	12933 131 g-index
251 all docs	251 docs citations	251 times ranked	31021 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
3	Apoptosis and cancer: mutations within caspase genes. Journal of Medical Genetics, 2009, 46, 497-510.	1.5	587
4	Increased Expression of IL-33 in Severe Asthma: Evidence of Expression by Airway Smooth Muscle Cells. Journal of Immunology, 2009, 183, 5094-5103.	0.4	488
5	Airway smooth muscle dynamics: a common pathway of airway obstruction in asthma. European Respiratory Journal, 2007, 29, 834-860.	3.1	344
6	Muscarinic receptor signaling in the pathophysiology of asthma and COPD. Respiratory Research, 2006, 7, 73.	1.4	327
7	Invited Review: Molecular mechanisms of phenotypic plasticity in smooth muscle cells. Journal of Applied Physiology, 2001, 90, 358-368.	1.2	241
8	S100A8/A9 induces autophagy and apoptosis via ROS-mediated cross-talk between mitochondria and lysosomes that involves BNIP3. Cell Research, 2010, 20, 314-331.	5.7	198
9	Inhibition of allergen-induced airway remodelling by tiotropium and budesonide: a comparison. European Respiratory Journal, 2007, 30, 653-661.	3.1	190
10	Autophagy is a regulator of TGF-Î²1-induced fibrogenesis in primary human atrial myofibroblasts. Cell Death and Disease, 2015, 6, e1696-e1696.	2.7	166
11	Role of caveolin-1 in p42/p44 MAP kinase activation and proliferation of human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 291, L523-L534.	1.3	152
12	Brevininâ€2R¹ semiâ€selectively kills cancer cells by a distinct mechanism, which involves the lysosomalâ€mitochondrial death pathway. Journal of Cellular and Molecular Medicine, 2008, 12, 1005-1022.	1.6	151
13	Constitutive and inducible thymic stromal lymphopoietin expression in human airway smooth muscle cells: role in chronic obstructive pulmonary disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L375-L382.	1.3	141
14	The RhoA/Rho Kinase Pathway Regulates Nuclear Localization of Serum Response Factor. American Journal of Respiratory Cell and Molecular Biology, 2003, 29, 39-47.	1.4	137
15	MicroRNA Expression in Human Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 506-513.	1.4	137
16	IL-17A Induces Eotaxin-1/CC Chemokine Ligand 11 Expression in Human Airway Smooth Muscle Cells: Role of MAPK (Erk1/2, JNK, and p38) Pathways. Journal of Immunology, 2006, 177, 4064-4071.	0.4	133
17	Divergent differentiation paths in airway smooth muscle culture: induction of functionally contractile myocytes. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 276, L197-L206.	1.3	117
18	MicroRNA-146a and microRNA-146b expression and anti-inflammatory function in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L727-L734.	1.3	113

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19	Thymic Stromal Lymphopoietin Receptor-Mediated IL-6 and CC/CXC Chemokines Expression in Human Airway Smooth Muscle Cells: Role of MAPKs (ERK1/2, p38, and JNK) and STAT3 Pathways. Journal of Immunology, 2010, 184, 7134-7143.	0.4	112
20	Mutagenesis analysis of human SM22: characterization of actin binding. Journal of Applied Physiology, 2000, 89, 1985-1990.	1.2	110
21	Th17â€associated cytokines promote human airway smooth muscle cell proliferation. FASEB Journal, 2012, 26, 5152-5160.	0.2	110
22	Differential Roles of CXCL2 and CXCL3 and Their Receptors in Regulating Normal and Asthmatic Airway Smooth Muscle Cell Migration. Journal of Immunology, 2013, 191, 2731-2741.	0.4	110
23	Role of the phosphoinositide 3-kinase p110Î´ in generation of typeâ€„2 cytokine responses and allergic airway inflammation. European Journal of Immunology, 2007, 37, 416-424.	1.6	106
24	Physiological Control of Smooth Muscle-specific Gene Expression through Regulated Nuclear Translocation of Serum Response Factor. Journal of Biological Chemistry, 2000, 275, 30387-30393.	1.6	104
25	Apoptosis, autophagy and ER stress in mevalonate cascade inhibition-induced cell death of human atrial fibroblasts. Cell Death and Disease, 2012, 3, e330-e330.	2.7	104
26	Autophagy and the unfolded protein response promote profibrotic effects of TGF-Î²₁ in human lung fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L493-L504.	1.3	100
27	Mechanisms of inflammation-mediated airway smooth muscle plasticity and airways remodeling in asthma. Respiratory Physiology and Neurobiology, 2003, 137, 209-222.	0.7	99
28	S100A8/A9: A Janus-faced molecule in cancer therapy and tumorgenesis. European Journal of Pharmacology, 2009, 625, 73-83.	1.7	96
29	Noncanonical WNTâ€5A signaling regulates TGFâ€Î²â€induced extracellular matrix production by airway smooth muscle cells. FASEB Journal, 2013, 27, 1631-1643.	0.2	96
30	Ragweed Sensitizationâ€"induced Increase of Myosin Light Chain Kinase Content in Canine Airway Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 1992, 7, 567-573.	1.4	93
31	IL-17 enhances IL-1Î²-mediated CXCL-8 release from human airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L1023-L1029.	1.3	90
32	Phophatidylinositol-3 Kinase/Mammalian Target of Rapamycin/p70S6KRegulates Contractile Protein Accumulation in Airway Myocyte Differentiation. American Journal of Respiratory Cell and Molecular Biology, 2004, 31, 266-275.	1.4	88
33	Human Airway Smooth Muscle Cells Express the High Affinity Receptor for IgE (FcÎµRI): A Critical Role of FcÎµRI in Human Airway Smooth Muscle Cell Function. Journal of Immunology, 2005, 175, 2613-2621.	0.4	87
34	Phenotype and Functional Plasticity of Airway Smooth Muscle: Role of Caveolae and Caveolins. Proceedings of the American Thoracic Society, 2008, 5, 80-88.	3.5	84
35	An Official American Thoracic Society Research Statement: Current Challenges Facing Research and Therapeutic Advances in Airway Remodeling. American Journal of Respiratory and Critical Care Medicine, 2017, 195, e4-e19.	2.5	83
36	On the terminology for describing the length-force relationship and its changes in airway smooth muscle. Journal of Applied Physiology, 2004, 97, 2029-2034.	1.2	81

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37	Insulin increases the expression of contractile phenotypic markers in airway smooth muscle. American Journal of Physiology - Cell Physiology, 2007, 293, C429-C439.	2.1	81
38	Mevalonate Cascade Regulation of Airway Mesenchymal Cell Autophagy and Apoptosis: A Dual Role for p53. PLoS ONE, 2011, 6, e16523.	1.1	81
39	Expression and Cytogenetic Localization of the Human SM22 Gene (TAGLN). Genomics, 1998, 49, 452-457.	1.3	78
40	Critical Role for STAT3 in IL-17A-Mediated CCL11 Expression in Human Airway Smooth Muscle Cells. Journal of Immunology, 2009, 182, 3357-3365.	0.4	77
41	Suppression of influenza A virus replication in human lung epithelial cells by noncytotoxic concentrations bafilomycin A1. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L270-L286.	1.3	77
42	Airway Responsiveness in Two Inbred Strains of Mouse Disparate in IgE and IL-4 Production. American Journal of Respiratory Cell and Molecular Biology, 1997, 17, 156-163.	1.4	76
43	Rho kinase inhibitors: A novel therapeutical intervention in asthma?. European Journal of Pharmacology, 2008, 585, 398-406.	1.7	76
44	TH17 cytokines induce human airway smooth muscle cell migration. Journal of Allergy and Clinical Immunology, 2011, 127, 1046-1053.e2.	1.5	76
45	S100A8/A9: a mediator of severe asthma pathogenesis and morbidity?This article is one of a selection of papers published in a special issue celebrating the 125th anniversary of the Faculty of Medicine at the University of Manitoba.. Canadian Journal of Physiology and Pharmacology, 2009, 87, 743-755.	0.7	75
46	Essential role of NF-ÎºB and AP-1 transcription factors in TNF-Î±-induced TSLP expression in human airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L479-L485.	1.3	75
47	Muscarinic receptors on airway mesenchymal cells: Novel findings for an ancient target. Pulmonary Pharmacology and Therapeutics, 2013, 26, 145-155.	1.1	70
48	Airway mesenchymal cell death by mevalonate cascade inhibition: Integration of autophagy, unfolded protein response and apoptosis focusing on Bcl2 family proteins. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1259-1271.	1.9	70
49	Statin-triggered cell death in primary human lung mesenchymal cells involves p53-PUMA and release of Smac and Omi but not cytochrome c. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 452-467.	1.9	68
50	Î²-Catenin signaling is required for TGF-Î²₁-induced extracellular matrix production by airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L956-L965.	1.3	67
51	Biosignature for airway inflammation in a house dust mite-challenged murine model of allergic asthma. Biology Open, 2016, 5, 112-121.	0.6	67
52	Anti-Inflammatory Role of the cAMP Effectors Epac and PKA: Implications in Chronic Obstructive Pulmonary Disease. PLoS ONE, 2012, 7, e31574.	1.1	66
53	Response of Primary Human Airway Epithelial Cells to Influenza Infection: A Quantitative Proteomic Study. Journal of Proteome Research, 2012, 11, 4132-4146.	1.8	65
54	Airway Smooth Muscle Phenotype and Function: Interactions with Current Asthma Therapies. Current Drug Targets, 2006, 7, 525-540.	1.0	64

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55	IL-17R activation of human airway smooth muscle cells induces CXCL-8 production via a transcriptional-dependent mechanism. Clinical Immunology, 2005, 115, 268-276.	1.4	63
56	Epac as a novel effector of airway smooth muscle relaxation. Journal of Cellular and Molecular Medicine, 2011, 15, 1551-1563.	1.6	63
57	Rho-Kinase as a Drug Target for the Treatment of Airway Hyperresponsiveness in Asthma. Mini-Reviews in Medicinal Chemistry, 2006, 6, 339-348.	1.1	62
58	Airway smooth muscle inflammation is regulated by micro<scp>RNA</scp>â€145 in <scp>COPD</scp>. FEBS Letters, 2016, 590, 1324-1334.	1.3	62
59	Potential role for phenotypic modulation of bronchial smooth muscle cells in chronic asthma. Canadian Journal of Physiology and Pharmacology, 1994, 72, 1448-1457.	0.7	61
60	Pro-inflammatory mechanisms of muscarinic receptor stimulation in airway smooth muscle. Respiratory Research, 2010, 11, 130.	1.4	61
61	Endogenous laminin is required for human airway smooth muscle cell maturation. Respiratory Research, 2006, 7, 117.	1.4	60
62	Muscarinic M3 receptor stimulation increases cigarette smoke-induced IL-8 secretion by human airway smooth muscle cells. European Respiratory Journal, 2009, 34, 1436-1443.	3.1	60
63	The Mevalonate Cascade as a Target to Suppress Extracellular Matrix Synthesis by Human Airway Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 394-403.	1.4	60
64	Selective restoration of calcium coupling to muscarinic M3 receptors in contractile cultured airway myocytes. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L1091-L1100.	1.3	58
65	Geranylgeranyl transferase 1 modulates autophagy and apoptosis in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L420-L428.	1.3	58
66	Endothelin-1 induces hypertrophy and inhibits apoptosis in human airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L278-L286.	1.3	57
67	Cooperative regulation of GSK-3 by muscarinic and PDGF receptors is associated with airway myocyte proliferation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L1348-L1358.	1.3	57
68	Role of BNIP3 in TNF-induced cell death â€" TNF upregulates BNIP3 expression. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 546-560.	1.9	57
69	Prevalence and characteristics of progressive fibrosing interstitial lung disease in a prospective registry. European Respiratory Journal, 2022, 60, 2102571.	3.1	57
70	CC and CXC Chemokines Induce Airway Smooth Muscle Proliferation and Survival. Journal of Immunology, 2011, 186, 4156-4163.	0.4	56
71	Novel Recombinant Interleukin-13 Peptide-based Vaccine Reduces Airway Allergic Inflammatory Responses in Mice. American Journal of Respiratory and Critical Care Medicine, 2007, 176, 439-445.	2.5	55
72	Neuronal chemorepellent Semaphorin 3E inhibits human airway smooth muscle cell proliferation and migration. Journal of Allergy and Clinical Immunology, 2014, 133, 560-567.e8.	1.5	55

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73	Caveolae facilitate muscarinic receptor-mediated intracellular Ca²⁺mobilization and contraction in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L1406-L1418.	1.3	53
74	The Integrin-blocking Peptide RGDS Inhibits Airway Smooth Muscle Remodeling in a Guinea Pig Model of Allergic Asthma. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 556-565.	2.5	53
75	Caveolae and Caveolins in the Respiratory System. Current Molecular Medicine, 2008, 8, 741-753.	0.6	52
76	Inhibition of autophagy inhibits the conversion of cardiac fibroblasts to cardiac myofibroblasts. Oncotarget, 2016, 7, 78516-78531.	0.8	52
77	Latrunculin B increases force fluctuation-induced relengthening of ACh-contracted, isotonically shortened canine tracheal smooth muscle. Journal of Applied Physiology, 2005, 98, 489-497.	1.2	51
78	Î²-Dystroglycan binds caveolin-1 in smooth muscle: a functional role in caveolae distribution and Ca2+ release. Journal of Cell Science, 2010, 123, 3061-3070.	1.2	51
79	Chronic exposure to perfluorinated compounds: Impact on airway hyperresponsiveness and inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L765-L774.	1.3	50
80	TNF-Î± and IFN-Î³ inversely modulate expression of the IL-17E receptor in airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L1238-L1246.	1.3	49
81	Mouse Hyal3 encodes a 45- to 56-kDa glycoprotein whose overexpression increases hyaluronidase 1 activity in cultured cells. Glycobiology, 2008, 18, 280-289.	1.3	49
82	Cyclooxygenase-2 and MicroRNA-155 Expression Are Elevated in Asthmatic Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 438-447.	1.4	49
83	A conserved MADS-box phosphorylation motif regulates differentiation and mitochondrial function in skeletal, cardiac, and smooth muscle cells. Cell Death and Disease, 2015, 6, e1944-e1944.	2.7	48
84	Metabolic re-patterning in COPD airway smooth muscle cells. European Respiratory Journal, 2017, 50, 1700202.	3.1	48
85	Laminin-Binding Integrin Î±7 Is Required for Contractile Phenotype Expression by Human Airway Myocytes. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 668-680.	1.4	47
86	Effects of extensively oxidized low-density lipoprotein on mitochondrial function and reactive oxygen species in porcine aortic endothelial cells. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E89-E98.	1.8	47
87	Simvastatin inhibits TGFÎ²1-induced fibronectin in human airway fibroblasts. Respiratory Research, 2011, 12, 113.	1.4	46
88	Direct evidence for functional smooth muscle myosin II in the 10S self-inhibited monomeric conformation in airway smooth muscle cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1421-1426.	3.3	46
89	Cross-Talk between Transforming Growth Factorâ€“Î²₁ and Muscarinic M₂ Receptors Augments Airway Smooth Muscle Proliferation. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 18-27.	1.4	46
90	Novel cytokine peptide-based vaccines: an interleukin-4 vaccine suppresses airway allergic responses in mice. Allergy: European Journal of Allergy and Clinical Immunology, 2007, 62, 675-682.	2.7	45

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91	The Canadian Registry for Pulmonary Fibrosis: Design and Rationale of a National Pulmonary Fibrosis Registry. Canadian Respiratory Journal, 2016, 2016, 1-7.	0.8	45
92	Diabetes in pregnancy and lung health in offspring: developmental origins of respiratory disease. Paediatric Respiratory Reviews, 2017, 21, 19-26.	1.2	45
93	Quantitative densitometry of proteins stained with Coomassie Blue using a Hewlett Packard scanjet scanner and Scanplot software. Electrophoresis, 1997, 18, 67-71.	1.3	44
94	The association of caveolae, actin, and the dystrophinâ€"glycoprotein complex: a role in smooth muscle phenotype and function?. Canadian Journal of Physiology and Pharmacology, 2005, 83, 877-891.	0.7	44
95	Expression of the dystrophin-glycoprotein complex is a marker for human airway smooth muscle phenotype maturation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L57-L68.	1.3	44
96	Models to study airway smooth muscle contraction inÂvivo, exÂvivo and inÂvitro: Implications in understanding asthma. Pulmonary Pharmacology and Therapeutics, 2013, 26, 24-36.	1.1	42
97	High-mobility group box 1 promotes extracellular matrix synthesis and wound repair in human bronchial epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1354-L1366.	1.3	42
98	Fas cross-linking induces apoptosis in human airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L618-L624.	1.3	41
99	<i>De novo</i> synthesis of ÃŸâ€catenin <i>via</i> Hâ€Ras and MEK regulates airway smooth muscle growth. FASEB Journal, 2010, 24, 757-768.	0.2	40
100	Caveolin-1 is required for contractile phenotype expression by airway smooth muscle cells. Journal of Cellular and Molecular Medicine, 2011, 15, 2430-2442.	1.6	40
101	GSK-3/Î²-catenin signaling axis in airway smooth muscle: role in mitogenic signaling. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L1110-L1118.	1.3	39
102	Autophagy regulates trans fatty acid-mediated apoptosis in primary cardiac myofibroblasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 2274-2286.	1.9	39
103	Muscarinic receptor stimulation augments TGF-Î²₁-induced contractile protein expression by airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L589-L597.	1.3	39
104	Autophagy, Apoptosis, the Unfolded Protein Response, and Lung Function in Idiopathic Pulmonary Fibrosis. Cells, 2021, 10, 1642.	1.8	39
105	Profiling of healthy and asthmatic airway smooth muscle cells following interleukin-1Î² treatment: a novel role for CCL20 in chronic mucus hypersecretion. European Respiratory Journal, 2018, 52, 1800310.	3.1	38
106	Pentraxin 3 (PTX3) Expression in Allergic Asthmatic Airways: Role in Airway Smooth Muscle Migration and Chemokine Production. PLoS ONE, 2012, 7, e34965.	1.1	38
107	Semaphorin 3E Deficiency Exacerbates Airway Inflammation, Hyperresponsiveness, and Remodeling in a Mouse Model of Allergic Asthma. Journal of Immunology, 2017, 198, 1805-1814.	0.4	37
108	Pentraxin 3 deletion aggravates allergic inflammation through a T H 17-dominant phenotype and enhanced CD4 T-cell survival. Journal of Allergy and Clinical Immunology, 2017, 139, 950-963.e9.	1.5	37

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109	IgE induces transcriptional regulation of thymic stromal lymphopoietin in human airway smooth muscle cells. Journal of Allergy and Clinical Immunology, 2011, 128, 892-896.e2.	1.5	36
110	TGF-Î²-Activated Kinase 1 (TAK1) Signaling Regulates TGF-Î²-Induced WNT-5A Expression in Airway Smooth Muscle Cells via Sp1 and Î²-Catenin. PLoS ONE, 2014, 9, e94801.	1.1	36
111	Mechanical Strain Inhibits Airway Smooth Muscle Gene Transcription via Protein Kinase C Signaling. American Journal of Respiratory Cell and Molecular Biology, 2004, 31, 54-61.	1.4	35
112	Influenza A Infection of Primary Human Airway Epithelial Cells Up-Regulates Proteins Related to Purine Metabolism and Ubiquitin-Related Signaling. Journal of Proteome Research, 2013, 12, 3139-3151.	1.8	35
113	Role of Rho kinase isoforms in murine allergic airway responses. European Respiratory Journal, 2011, 38, 841-850.	3.1	34
114	MicroRNA-200b regulates distal airway development by maintaining epithelial integrity. Scientific Reports, 2017, 7, 6382.	1.6	34
115	Expression of functional leukotriene B4 receptors on human airway smooth muscle cells. Journal of Allergy and Clinical Immunology, 2009, 124, 59-65.e3.	1.5	33
116	PKA and Epac cooperate to augment bradykinin-induced interleukin-8 release from human airway smooth muscle cells. Respiratory Research, 2009, 10, 88.	1.4	33
117	Autocrine-regulated airway smooth muscle cell migration is dependent on IL-17â€“induced growth-related oncogenes. Journal of Allergy and Clinical Immunology, 2012, 130, 977-985.e6.	1.5	33
118	Sustained Suppression of IL-13 by a Vaccine Attenuates Airway Inflammation and Remodeling in Mice. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 540-549.	1.4	33
119	IL-9 Induces CCL11 Expression via STAT3 Signalling in Human Airway Smooth Muscle Cells. PLoS ONE, 2010, 5, e9178.	1.1	33
120	Overexpression of human Hsp27 inhibits serum-induced proliferation in airway smooth muscle myocytes and confers resistance to hydrogen peroxide cytotoxicity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L1194-L1207.	1.3	32
121	Proinflammatory and Th2 Cytokines Regulate the High Affinity IgE Receptor (FcÎµRI) and IgE-Dependant Activation of Human Airway Smooth Muscle Cells. PLoS ONE, 2009, 4, e6153.	1.1	32
122	Impairment of mitochondrial respiratory chain activity in aortic endothelial cells induced by glycated low-density lipoprotein. Free Radical Biology and Medicine, 2010, 48, 781-790.	1.3	32
123	Structure and Transcription of the Human m3 Muscarinic Receptor Gene. American Journal of Respiratory Cell and Molecular Biology, 2002, 26, 298-305.	1.4	31
124	Cigarette smoke upâ€regulates <scp>PDE3</scp> and <scp>PDE4</scp> to decrease <scp>cAMP</scp> in airway cells. British Journal of Pharmacology, 2018, 175, 2988-3006.	2.7	31
125	Connexin 43 phosphorylation and degradation are required for adipogenesis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1731-1744.	1.9	30
126	Semaphorin 3E Alleviates Hallmarks of House Dust Miteâ€“Induced Allergic Airway Disease. American Journal of Pathology, 2017, 187, 1566-1576.	1.9	30

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127	Expression and Regulation of CCR1 by Airway Smooth Muscle Cells in Asthma. Journal of Immunology, 2008, 180, 1268-1275.	0.4	29
128	NMDA receptors mediate contractile responses in human airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L1253-L1264.	1.3	28
129	Minimum important difference of the EQ-5D-5L and EQ-VAS in fibrotic interstitial lung disease. Thorax, 2021, 76, 37-43.	2.7	28
130	Expression and effects of cardiotrophin-1 (CT-1) in human airway smooth muscle cells. British Journal of Pharmacology, 2003, 140, 1237-1244.	2.7	27
131	Stimulation of cardiac cardiolipin biosynthesis by PPARÎ± activation. Journal of Lipid Research, 2004, 45, 244-252.	2.0	27
132	p42/p44 MAP kinase activation is localized to caveolae-free membrane domains in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L1163-L1172.	1.3	27
133	Role for TAK1 in cigarette smoke-induced proinflammatory signaling and IL-8 release by human airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L272-L278.	1.3	27
134	TNF up-regulates Pentraxin3 expression in human airway smooth muscle cells via JNK and ERK1/2 MAPK pathways. Allergy, Asthma and Clinical Immunology, 2015, 11, 37.	0.9	27
135	Immunomodulatory innate defence regulator (IDR) peptide alleviates airway inflammation and hyper-responsiveness. Thorax, 2018, 73, 908-917.	2.7	27
136	Concurrent physician-diagnosed asthma and chronic obstructive pulmonary disease: A population study of prevalence, incidence and mortality. PLoS ONE, 2017, 12, e0173830.	1.1	27
137	Extracellular matrix and airway smooth muscle interactions: a target for modulating airway wall remodelling and hyperresponsiveness?This article is one of a selection of papers published in the Special Issue on Recent Advances in Asthma Research.. Canadian Journal of Physiology and Pharmacology, 2007, 85, 666-671.	0.7	26
138	Protein kinase A and the exchange protein directly activated by cAMP (Epac) modulate phenotype plasticity in human airway smooth muscle. British Journal of Pharmacology, 2011, 164, 958-969.	2.7	25
139	Association of BMI and Change in Weight With Mortality in Patients With Fibrotic Interstitial Lung Disease. Chest, 2022, 161, 1320-1329.	0.4	25
140	CRISPLD2 (LGL1) inhibits proinflammatory mediators in human fetal, adult, and COPD lung fibroblasts and epithelial cells. Physiological Reports, 2016, 4, e12942.	0.7	24
141	Distribution of phenotypically disparate myocyte subpopulations in airway smooth muscle. Canadian Journal of Physiology and Pharmacology, 2005, 83, 104-116.	0.7	23
142	A-kinase-anchoring proteins coordinate inflammatory responses to cigarette smoke in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L766-L775.	1.3	23
143	A role for transient receptor potential ankyrin 1 cation channel (TRPA1) in airway hyper-responsiveness?. Canadian Journal of Physiology and Pharmacology, 2015, 93, 171-176.	0.7	23
144	Selective targeting of CREBâ€binding protein/Î²â€catenin inhibits growth of and extracellular matrix remodelling by airway smooth muscle. British Journal of Pharmacology, 2016, 173, 3327-3341.	2.7	23

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145	Early changes in airway smooth muscle hyperresponsiveness. Canadian Journal of Physiology and Pharmacology, 1994, 72, 1440-1447.	0.7	22
146	Milrinone attenuates thromboxane receptorâ€mediated hyperresponsiveness in hypoxic pulmonary arterial myocytes. British Journal of Pharmacology, 2011, 163, 1223-1236.	2.7	22
147	Cooperative signaling by TGF-Î²1 and WNT-11 drives sm-Î±-actin expression in smooth muscle via Rho kinase-actin-MRTF-A signaling. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L529-L537.	1.3	22
148	Airway smooth muscle cell proliferation: characterization of subpopulations by sensitivity to heparin inhibition. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 274, L17-L25.	1.3	21
149	ICOS ligand expression is essential for allergic airway hyperresponsiveness. International Immunology, 2011, 23, 239-249.	1.8	21
150	Performance Characteristics of Spirometry With Negative Bronchodilator Response and Methacholine Challenge Testing and Implications for Asthma Diagnosis. Chest, 2020, 158, 479-490.	0.4	21
151	Role of Dystrophin in Airway Smooth Muscle Phenotype, Contraction and Lung Function. PLoS ONE, 2014, 9, e102737.	1.1	21
152	The anti-proliferative and anti-inflammatory response of COPD airway smooth muscle cells to hydrogen sulfide. Respiratory Research, 2018, 19, 85.	1.4	20
153	Characterization of the interaction of barley Î±-amylase II with an endogenous Î±-amylase inhibitor from barley kernels. BBA - Proteins and Proteomics, 1986, 873, 92-101.	2.1	19
154	Actin Dynamics. Chest, 2003, 123, 392S-398S.	0.4	19
155	Effects of oxidized and glycated low-density lipoproteins on transcription and secretion of plasminogen activator inhibitor-1 in vascular endothelial cells. Cardiovascular Pathology, 2006, 15, 3-10.	0.7	19
156	Glycogen synthase kinase-3 regulates cigarette smoke extract- and IL-1Î²-induced cytokine secretion by airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L910-L919.	1.3	19
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