Y S Prakash

List of Publications by Year
in descending order

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296 papers	11,190 citations	28190 55 h-index	45213 90 g-index
320 all docs	320 docs citations	320 times ranked	12590 citing authors

#	Article	IF	Citations
1	Cellular senescence mediates fibrotic pulmonary disease. Nature Communications, 2017, 8, 14532.	5.8	1,008
2	Effect of Nanoparticle Surface Charge at the Plasma Membrane and Beyond. Nano Letters, 2010, 10, 2543-2548.	4.5	537
3	Sex Differences and Sex Steroids in Lung Health and Disease. Endocrine Reviews, 2012, 33, 1-47.	8.9	320
4	Senolytics reduce coronavirus-related mortality in old mice. Science, 2021, 373, .	6.0	184
5	Airway smooth muscle in airway reactivity and remodeling: what have we learned?. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L912-L933.	1.3	170
6	Mitochondrial Dysfunction in Airway Disease. Chest, 2017, 152, 618-626.	0.4	168
7	Estrogen regulates the expression of SARS-CoV-2 receptor ACE2 in differentiated airway epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1280-L1281.	1.3	163
8	Pkd2 haploinsufficiency alters intracellular calcium regulation in vascular smooth muscle cells. Human Molecular Genetics, 2003, 12, 1875-1880.	1.4	156
9	Cigarette smoke-induced mitochondrial fragmentation and dysfunction in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L840-L854.	1.3	150
10	The Transcription Factor Bhlhe40 Programs Mitochondrial Regulation of Resident CD8+ T Cell Fitness and Functionality. Immunity, 2019, 51, 491-507.e7.	6.6	148
11	MicroRNA-326 Regulates Profibrotic Functions of Transforming Growth Factor-Î² in Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 882-892.	1.4	145
12	Calcium-sensing receptor antagonists abrogate airway hyperresponsiveness and inflammation in allergic asthma. Science Translational Medicine, 2015, 7, 284ra60.	5.8	142
13	Selective YAP/TAZ inhibition in fibroblasts via dopamine receptor D1 agonism reverses fibrosis. Science Translational Medicine, 2019, 11, .	5.8	134
14	Control of nanoparticle penetration into biofilms through surface design. Chemical Communications, 2015, 51, 282-285.	2.2	133
15	Regulation of intracellular calcium oscillations in porcine tracheal smooth muscle cells. American Journal of Physiology - Cell Physiology, 1997, 272, C966-C975.	2.1	131
16	Role of cyclic ADP-ribose in the regulation of [Ca²⁺]_iin porcine tracheal smooth muscle. American Journal of Physiology - Cell Physiology, 1998, 274, C1653-C1660.	2.1	129
17	Sex steroid signaling: Implications for lung diseases. , 2015, 150, 94-108.		125
18	Myoneural interactions affect diaphragm muscle adaptations to inactivity. Journal of Applied Physiology, 1995, 79, 1640-1649.	1.2	119

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19	Profibrotic effect of IL-17A and elevated IL-17RA in idiopathic pulmonary fibrosis and rheumatoid arthritis-associated lung disease support a direct role for IL-17A/IL-17RA in human fibrotic interstitial lung disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L487-L497.	1.3	115
20	Cervical Dorsal Rhizotomy Enhances Serotonergic Innervation of Phrenic Motoneurons and Serotonin-Dependent Long-Term Facilitation of Respiratory Motor Output in Rats. Journal of Neuroscience, 1998, 18, 8436-8443.	1.7	114
21	Emerging concepts in smooth muscle contributions to airway structure and function: implications for health and disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L1113-L1140.	1.3	108
22	Age-related remodeling of neuromuscular junctions on type-identified diaphragm fibers. , 1998, 21, 887-895.		102
23	SDH and actomyosin ATPase activities of different fiber types in rat diaphragm muscle. Journal of Applied Physiology, 1995, 79, 1629-1639.	1.2	100
24	Store-operated Ca2+entry in porcine airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L909-L917.	1.3	98
25	Thymic Stromal Lymphopoietin in Cigarette Smoke-Exposed Human Airway Smooth Muscle. Journal of Immunology, 2010, 185, 3035-3040.	0.4	91
26	Metabolic and phenotypic adaptations of diaphragm muscle fibers with inactivation. Journal of Applied Physiology, 1997, 82, 1145-1153.	1.2	87
27	Inactivity-induced remodeling of neuromuscular junctions in rat diaphragmatic muscle. , 1999, 22, 307-319.		85
28	Phrenic motoneuron morphology during rapid diaphragm muscle growth. Journal of Applied Physiology, 2000, 89, 563-572.	1.2	85
29	Rapid effects of estrogen on intracellular Ca²⁺ regulation in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 298, L521-L530.	1.3	83
30	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
31	An Official American Thoracic Society Workshop Report: Evaluation and Management of Asthma in the Elderly. Annals of the American Thoracic Society, 2016, 13, 2064-2077.	1.5	82
32	Effects of prenatal undernutrition on developing rat diaphragm. Journal of Applied Physiology, 1993, 75, 1044-1052.	1.2	81
33	Neurotrophins in lung health and disease. Expert Review of Respiratory Medicine, 2010, 4, 395-411.	1.0	80
34	Effect of proinflammatory cytokines on regulation of sarcoplasmic reticulum Ca²⁺reuptake in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L26-L34.	1.3	79
35	Brain-derived neurotrophic factor in the airways. , 2014, 143, 74-86.		78
36	Myosin phenotype and SDH enzyme variability among motor unit fibers. Journal of Applied Physiology, 1996, 80, 2179-2189.	1.2	76

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37	Role of ryanodine receptor channels in Ca2+ oscillations of porcine tracheal smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1997, 272, L659-L664.	1.3	76
38	Oxygen dose responsiveness of human fetal airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L711-L719.	1.3	74
39	Mitochondria in lung diseases. Expert Review of Respiratory Medicine, 2013, 7, 631-646.	1.0	74
40	Female Sex and Gender in Lung/Sleep Health and Disease. Increased Understanding of Basic Biological, Pathophysiological, and Behavioral Mechanisms Leading to Better Health for Female Patients with Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 850-858.	2.5	74
41	Brainâ€derived neurotrophic factor induces proliferation of human airway smooth muscle cells. Journal of Cellular and Molecular Medicine, 2012, 16, 812-823.	1.6	71
42	Cellular senescence in the lung across the age spectrum. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L826-L842.	1.3	70
43	Caveolins and intracellular calcium regulation in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L1118-L1126.	1.3	69
44	Cross-bridge cycling kinetics, actomyosin ATPase activity and myosin heavy chain isoforms in skeletal and smooth respiratory muscles. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 119, 435-450.	0.7	68
45	Caveolin-1 regulation of store-operated Ca²⁺influx in human airway smooth muscle. European Respiratory Journal, 2012, 40, 470-478.	3.1	68
46	Hyperinsulinemia adversely affects lung structure and function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L837-L845.	1.3	68
47	Application of the Cavalieri Principle in Volume Estimation Using Laser Confocal Microscopy. NeuroImage, 1994, 1, 325-333.	2.1	67
48	Neurotrophins induce nitric oxide generation in human pulmonary artery endothelial cells. Cardiovascular Research, 2011, 91, 668-676.	1.8	67
49	Severity of neonatal hyperoxia determines structural and functional changes in developing mouse airway. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L295-L301.	1.3	66
50	PGC1Î± repression in IPF fibroblasts drives a pathologic metabolic, secretory and fibrogenic state. Thorax, 2019, 74, 749-760.	2.7	66
51	Morphology of diaphragm neuromuscular junctions on different fibre types. Journal of Neurocytology, 1996, 25, 88-100.	1.6	65
52	BDNF secretion by human pulmonary artery endothelial cells in response to hypoxia. Journal of Molecular and Cellular Cardiology, 2014, 68, 89-97.	0.9	65
53	Heterogeneity in dynamic regulation of intracellular calcium in airway smooth muscle cells. Canadian Journal of Physiology and Pharmacology, 1997, 75, 878-888.	0.7	64
54	F-actin stabilization increases tension cost during contraction of permeabilized airway smooth muscle in dogs. Journal of Physiology, 1999, 519, 527-538.	1.3	64

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55	Invited Review: Significance of spatial and temporal heterogeneity of calcium transients in smooth muscle. Journal of Applied Physiology, 2001, 91, 488-496.	1.2	64
56	MicroRNA-mRNA interactions in a murine model of hyperoxia-induced bronchopulmonary dysplasia. BMC Genomics, 2012, 13, 204.	1.2	62
57	Insulin and the Lung: Connecting Asthma and Metabolic Syndrome. Journal of Allergy, 2013, 2013, 1-8.	0.7	62
58	Changes in cardiovascular Î²-adrenoceptor responses during hypothermia. Cryobiology, 2008, 57, 246-250.	0.3	61
59	Neurotrophin effects on intracellular Ca2+ and force in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 291, L447-L456.	1.3	60
60	Matrix stiffness-modulated proliferation and secretory function of the airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L1125-L1135.	1.3	60
61	Cross-bridge kinetics in respiratory muscles. European Respiratory Journal, 1997, 10, 2147-2158.	3.1	58
62	Mechanisms of Injury to the Preterm Lung and Airway: Implications for Long-Term Pulmonary Outcome. Neonatology, 2012, 101, 345-352.	0.9	58
63	Cystic Fibrosis Transmembrane Conductance Regulator in Sarcoplasmic Reticulum of Airway Smooth Muscle. Implications for Airway Contractility. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 417-426.	2.5	58
64	Hyperoxia-induced Cellular Senescence in Fetal Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 51-60.	1.4	56
65	Spatial and temporal aspects of ACh-induced [Ca2+]ioscillations in porcine tracheal smooth muscle. Cell Calcium, 2000, 27, 153-162.	1.1	55
66	Effect of Î²-adrenoceptor activation on [Ca2+]i regulation in murine skeletal myotubes. American Journal of Physiology - Cell Physiology, 1999, 276, C1038-C1045.	2.1	54
67	Inflammation alters regional mitochondrial Ca²⁺in human airway smooth muscle cells. American Journal of Physiology - Cell Physiology, 2012, 303, C244-C256.	2.1	53
68	Restoration of Mitochondrial Cardiolipin Attenuates Cardiac Damage in Swine Renovascular Hypertension. Journal of the American Heart Association, 2016, 5, .	1.6	53
69	Brain-Derived Neurotrophic Factor in TNF-Î± Modulation of Ca²⁺ in Human Airway Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 603-611.	1.4	52
70	Estrogen effects on human airway smooth muscle involve cAMP and protein kinase A. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L923-L928.	1.3	52
71	Perinatal oxygen in the developing lung. Canadian Journal of Physiology and Pharmacology, 2015, 93, 119-127.	0.7	52
72	Regulation of store-operated Ca²⁺entry by CD38 in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L378-L385.	1.3	51

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73	Spatiotemporal dynamics of actin remodeling and endomembrane trafficking in alveolar epithelial type I cell wound healing. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L615-L623.	1.3	50
74	Targeting bacterial biofilms via surface engineering of gold nanoparticles. RSC Advances, 2015, 5, 105551-105559.	1.7	48
75	Estrogen receptor beta signaling inhibits PDGF induced human airway smooth muscle proliferation. Molecular and Cellular Endocrinology, 2018, 476, 37-47.	1.6	48
76	Airway Innervation and Plasticity in Asthma. Physiology, 2019, 34, 283-298.	1.6	47
77	Sex steroids skew ACE2 expression in human airway: a contributing factor to sex differences in COVID-19?. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L843-L847.	1.3	47
78	CBX5/G9a/H3K9me-mediated gene repression is essential to fibroblast activation during lung fibrosis. JCI Insight, 2019, 4, .	2.3	47
79	Sodium-Calcium Exchange in Intracellular Calcium Handling of Human Airway Smooth Muscle. PLoS ONE, 2011, 6, e23662.	1.1	47
80	Isotonic contractile and fatigue properties of developing rat diaphragm muscle. Journal of Applied Physiology, 1998, 84, 1260-1268.	1.2	46
81	Estrogen Increases Nitric-Oxide Production in Human Bronchial Epithelium. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 815-824.	1.3	46
82	Brain-Derived Neurotrophic Factor Enhances Calcium Regulatory Mechanisms in Human Airway Smooth Muscle. PLoS ONE, 2012, 7, e44343.	1.1	45
83	Measurements of Motoneuron Somal Volumes Using Laser Confocal Microscopy: Comparisons with Shape-Based Stereological Estimations. NeuroImage, 1993, 1, 95-107.	2.1	44
84	Corticosteroid effects on isotonic contractile properties of rat diaphragm muscle. Journal of Applied Physiology, 1997, 83, 1062-1067.	1.2	43
85	Subcellular localization of cyclic ADP-ribosyl cyclase and cyclic ADP-ribose hydrolase activities in porcine airway smooth muscle. Biochimica Et Biophysica Acta - Molecular Cell Research, 2000, 1498, 64-71.	1.9	43
86	Cyclic nucleotide regulation of store-operated Ca2+ influx in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L278-L283.	1.3	43
87	Mechanisms underlying hypothermia-induced cardiac contractile dysfunction. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H890-H897.	1.5	43
88	TRPC3 regulates release of brain-derived neurotrophic factor from human airway smooth muscle. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2953-2960.	1.9	43
89	Plasminogen Activator Inhibitor-1 Suppresses Profibrotic Responses in Fibroblasts from Fibrotic Lungs. Journal of Biological Chemistry, 2015, 290, 9428-9441.	1.6	43
90	Role of the Urokinase-Fibrinolytic System in Epithelialâ€“Mesenchymal Transition during Lung Injury. American Journal of Pathology, 2015, 185, 55-68.	1.9	40

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91	Brain-derived neurotrophic factor and airway fibrosis in asthma. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L360-L370.	1.3	40
92	Neonatal hyperoxia promotes asthma-like features through IL-33â€“dependent ILC2 responses. Journal of Allergy and Clinical Immunology, 2018, 142, 1100-1112.	1.5	39
93	Moderate hyperoxia induces senescence in developing human lung fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L525-L536.	1.3	39
94	Perinatal factors in neonatal and pediatric lung diseases. Expert Review of Respiratory Medicine, 2013, 7, 515-531.	1.0	38
95	Cigarette smoke enhances proliferation and extracellular matrix deposition by human fetal airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L978-L986.	1.3	38
96	Mechanisms of Cigarette Smoke Effects on Human Airway Smooth Muscle. PLoS ONE, 2015, 10, e0128778.	1.1	38
97	Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation. Journal of Applied Physiology, 1994, 77, 1128-1134.	1.2	37
98	Estrogen increases Ca2+efflux from female porcine coronary arterial smooth muscle. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H926-H934.	1.5	37
99	Probing Novel Roles of the Mitochondrial Uniporter in Ovarian Cancer Cells Using Nanoparticles. Journal of Biological Chemistry, 2013, 288, 17610-17618.	1.6	37
100	Cigarette Smoke and Estrogen Signaling in Human Airway Smooth Muscle. Cellular Physiology and Biochemistry, 2015, 36, 1101-1115.	1.1	37
101	Functional Effects of Cigarette Smokeâ€Induced Changes in Airway Smooth Muscle Mitochondrial Morphology. Journal of Cellular Physiology, 2017, 232, 1053-1068.	2.0	37
102	RNAi screening identifies a mechanosensitive ROCK-JAK2-STAT3 network central to myofibroblast activation. Journal of Cell Science, 2018, 131, .	1.2	37
103	Th1 cytokines TNF-Î± and IFN-Î³ promote corticosteroid resistance in developing human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L71-L81.	1.3	37
104	Vitamin D Attenuates Cytokineâ€Induced Remodeling in Human Fetal Airway Smooth Muscle Cells. Journal of Cellular Physiology, 2015, 230, 1189-1198.	2.0	36
105	Coming to terms with tissue engineering and regenerative medicine in the lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L625-L638.	1.3	35
106	Cyclic ADP-ribose stimulates sarcoplasmic reticulum calcium release in porcine coronary artery smooth muscle. American Journal of Physiology - Heart and Circulatory Physiology, 1996, 270, H801-H806.	1.5	34
107	Brain-Derived Neurotrophic Factor in Cigarette Smokeâ€“Induced Airway Hyperreactivity. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 431-438.	1.4	34
108	Nitric oxide inhibits calcium release from sarcoplasmic reticulum of porcine tracheal smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1997, 272, L1-L7.	1.3	33

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109	Effects of Volatile Anesthetics on Store-operated Ca2+Influx in Airway Smooth Muscle. Anesthesiology, 2004, 101, 373-380.	1.3	33
110	Caveolin-1 knockout mice exhibit airway hyperreactivity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L669-L681.	1.3	32
111	Store-operated Ca2+Influx in Airway Smooth Muscle. Anesthesiology, 2006, 105, 976-983.	1.3	31
112	Caveolin-1 in cytokine-induced enhancement of intracellular Ca²⁺ in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L607-L614.	1.3	31
113	Differential estrogenâ€receptor activation regulates extracellular matrix deposition in human airway smooth muscle remodeling via NFâ€ºB pathway. FASEB Journal, 2019, 33, 13935-13950.	0.2	30
114	Estrogen receptors differentially regulate intracellular calcium handling in human nonasthmatic and asthmatic airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L112-L124.	1.3	30
115	[17] Volume measurements in confocal microscopy. Methods in Enzymology, 1999, 307, 296-315.	0.4	29
116	Caveolin-1 and force regulation in porcine airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L920-L929.	1.3	29
117	Moderate hyperoxia induces extracellular matrix remodeling by human fetal airway smooth muscle cells. Pediatric Research, 2017, 81, 376-383.	1.1	29
118	Smooth muscle brainâ€derived neurotrophic factor contributes to airway hyperreactivity in a mouse model of allergic asthma. FASEB Journal, 2019, 33, 3024-3034.	0.2	29
119	Regulation of sarcoplasmic reticulum Ca²⁺reuptake in porcine airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L787-L796.	1.3	28
120	Temporal aspects of excitation-contraction coupling in airway smooth muscle. Journal of Applied Physiology, 2001, 91, 2266-2274.	1.2	27
121	Effects of the Inflammatory Cytokines TNF-Î± and IL-13 on Stromal Interaction Moleculeâ€“1 Aggregation in Human Airway Smooth Muscle Intracellular Ca²⁺ Regulation. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 601-608.	1.4	27
122	Mechanisms of BDNF regulation in asthmatic airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L270-L279.	1.3	27
123	Mechanisms Underlying Greater Sensitivity of Neonatal Cardiac Muscle to Volatile Anesthetics. Anesthesiology, 2002, 96, 893-906.	1.3	26
124	Role of Arginase in Impairing Relaxation of Lung Parenchyma of Hyperoxia-Exposed Neonatal Rats. Neonatology, 2012, 101, 106-115.	0.9	26
125	The Effect of Continuous Positive Airway Pressure in a Mouse Model of Hyperoxic Neonatal Lung Injury. Neonatology, 2016, 109, 6-13.	0.9	26
126	Differential Expression of Estrogen Receptor Variants in Response to Inflammation Signals in Human Airway Smooth Muscle. Journal of Cellular Physiology, 2017, 232, 1754-1760.	2.0	26

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127	Androgen Receptor-Mediated Regulation of Intracellular Calcium in Human Airway Smooth Muscle Cells. Cellular Physiology and Biochemistry, 2019, 53, 215-228.	1.1	26
128	Effects of salbutamol on intracellular calcium oscillations in porcine airway smooth muscle. Journal of Applied Physiology, 1997, 82, 1836-1843.	1.2	25
129	Spatial and temporal aspects of calcium sparks in porcine tracheal smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L1018-L1025.	1.3	25
130	Comparison of Volatile Anesthetic Effects on Actinâ€“Myosin Cross-bridge Cycling in Neonatal versusÂ Adult Cardiac Muscle. Anesthesiology, 2000, 92, 1114-1125.	1.3	25
131	Obesity, Metabolic Syndrome, and Airway Disease. Immunology and Allergy Clinics of North America, 2014, 34, 785-796.	0.7	25
132	TNFÎ± decreases mitochondrial movement in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L166-L176.	1.3	25
133	The role of caveolae in the pathophysiology of lung diseases. Expert Review of Respiratory Medicine, 2014, 8, 111-122.	1.0	24
134	Effects of Halothane on Sarcoplasmic Reticulum Calcium Release Channels in Porcine Airway Smooth Muscle Cells. Anesthesiology, 2001, 95, 207-215.	1.3	23
135	cAMP-mediated secretion of brain-derived neurotrophic factor in developing airway smooth muscle. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2506-2514.	1.9	23
136	cADP ribose and [Ca²⁺]_iregulation in rat cardiac myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H1482-H1489.	1.5	22
137	Changes in actomyosin ATP consumption rate in rat diaphragm muscle fibers during postnatal development. Journal of Applied Physiology, 2003, 94, 1896-1902.	1.2	22
138	Hepatoma derived growth factor (HDGF) dynamics in ovarian cancer cells. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 329-339.	2.2	22
139	Effects of antenatal lipopolysaccharide and postnatal hyperoxia on airway reactivity and remodeling in a neonatal mouse model. Pediatric Research, 2016, 79, 391-400.	1.1	22
140	Alterations of diaphragm neuromuscular junctions with hypothyroidism. Journal of Applied Physiology, 1996, 81, 1240-1248.	1.2	21
141	Nitric oxide affects sarcoplasmic calcium release in skeletal myotubes. Journal of Applied Physiology, 2001, 91, 2117-2124.	1.2	21
142	Neurokinin-neurotrophin interactions in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L91-L98.	1.3	21
143	Role of Hypoxia-Induced Brain Derived Neurotrophic Factor in Human Pulmonary Artery Smooth Muscle. PLoS ONE, 2015, 10, e0129489.	1.1	21
144	Growth-related alterations in motor endplates of type-identified diaphragm muscle fibres. Journal of Neurocytology, 1995, 24, 225-235.	1.6	20

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145	NHERF-2 maintains endothelial homeostasis. Blood, 2012, 119, 4798-4806.	0.6	20
146	Secretory function of autophagy in innate immune cells. Cellular Microbiology, 2014, 16, 1637-1645.	1.1	20
147	Sex Steroids Influence Brain-Derived Neurotropic Factor Secretion From Human Airway Smooth Muscle Cells. Journal of Cellular Physiology, 2016, 231, 1586-1592.	2.0	20
148	Sex, Cells, and Asthma. Mayo Clinic Proceedings, 2021, 96, 1955-1969.	1.4	20
149	Why Do Former Preterm Infants Wheeze?. Journal of Pediatrics, 2013, 162, 443-444.	0.9	19
150	Inflammation, caveolae and CD38-mediated calcium regulation in human airway smooth muscle. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 346-351.	1.9	19
151	Asthma and sarcoplasmic reticulum Ca²⁺ reuptake in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L794-L794.	1.3	18
152	Arachidonate-Regulated Ca²⁺ Influx in Human Airway Smooth Muscle. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 68-76.	1.4	18
153	Cellular Senescence in Aging Lungs and Diseases. Cells, 2022, 11, 1781.	1.8	18
154	K_{Ca}3.1 channels facilitate K⁺ secretion or Na⁺ absorption depending on apical or basolateral P2Y receptor stimulation. Journal of Physiology, 2011, 589, 3483-3494.	1.3	17
155	YAP/TAZ are Activated by Mechanical and Hormonal Stimuli in Myometrium and Exhibit Increased Baseline Activation in Uterine Fibroids. Reproductive Sciences, 2020, 27, 1074-1085.	1.1	17
156	Cholinergic neuroplasticity in asthma driven by TrkB signaling. FASEB Journal, 2020, 34, 7703-7717.	0.2	17
157	Aging increases senescence, calcium signaling, and extracellular matrix deposition in human airway smooth muscle. PLoS ONE, 2021, 16, e0254710.	1.1	17
158	Regional differences in serotonergic input to canine parasternal intercostal motoneurons. Journal of Applied Physiology, 2000, 88, 1581-1589.	1.2	16
159	Top-down Synthesis of Versatile Polyaspartamide Linkers for Single-Step Protein Conjugation to Materials. Bioconjugate Chemistry, 2011, 22, 2377-2382.	1.8	16
160	Caveolae and propofol effects on airway smooth muscle. British Journal of Anaesthesia, 2012, 109, 444-453.	1.5	16
161	Hyperoxia-induced changes in estradiol metabolism in postnatal airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L141-L146.	1.3	16
162	Phrenic motoneuron structural plasticity across models of diaphragm muscle paralysis. Journal of Comparative Neurology, 2018, 526, 2973-2983.	0.9	16

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163	Caveolae, caveolin-1 and lung diseases of aging. Expert Review of Respiratory Medicine, 2019, 13, 291-300.	1.0	16
164	Comparison of cross-bridge cycling kinetics in neonatal vs. adult rat ventricular muscle. Journal of Muscle Research and Cell Motility, 1999, 20, 717-723.	0.9	15
165	Volatile anaesthetic effects on Na + â€Ca 2+ exchange in rat cardiac myocytes. Journal of Physiology, 2001, 532, 91-104.	1.3	15
166	Heterogeneity in dynamic regulation of intracellular calcium in airway smooth muscle cells. Canadian Journal of Physiology and Pharmacology, 1997, 75, 878-88.	0.7	15
167	Nitric oxide inhibits ACh-induced intracellular calcium oscillations in porcine tracheal smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1997, 272, L588-L596.	1.3	14
168	Upregulation of airway smooth muscle calcium-sensing receptor by low-molecular-weight hyaluronan. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L459-L471.	1.3	14
169	Network and co-expression analysis of airway smooth muscle cell transcriptome delineates potential gene signatures in asthma. Scientific Reports, 2021, 11, 14386.	1.6	14
170	Agonist-induced cyclic ADP ribose production in airway smooth muscle. Archives of Biochemistry and Biophysics, 2006, 452, 102-107.	1.4	13
171	Effect of denervation on ATP consumption rate of diaphragm muscle fibers. Journal of Applied Physiology, 2007, 103, 858-866.	1.2	13
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