Venkatachalem Sathish

List of Publications by Year
in descending order

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90 papers	2,084 citations	185998 28 h-index	264894 42 g-index
95 all docs	95 docs citations	95 times ranked	2427 citing authors

#	Article	IF	Citations
1	Angiotensin-Converting Enzyme 2 (ACE2), Transmembrane Peptidase Serine 2 (TMPRSS2), and Furin Expression Increases in the Lungs of Patients with Idiopathic Pulmonary Fibrosis (IPF) and Lymphangioleiomyomatosis (LAM): Implications for SARS-CoV-2 (COVID-19) Infections. Journal of Clinical Medicine, 2022, 11, 777.	1.0	4
2	Kisspeptins inhibit human airway smooth muscle proliferation. JCI Insight, 2022, , .	2.3	4
3	Th1 cytokines synergize to change gene expression and promote corticosteroid insensitivity in pediatric airway smooth muscle. Respiratory Research, 2022, 23, 126.	1.4	4
4	Sex-Steroid Signaling in Lung Diseases and Inflammation. Advances in Experimental Medicine and Biology, 2021, 1303, 243-273.	0.8	16
5	Sex Steroids and Their Influence in Lung Diseases Across the Lifespan. Physiology in Health and Disease, 2021, , 39-72.	0.2	5
6	2D Nanomaterial, Ti3C2 MXene-Based Sensor to Guide Lung Cancer Therapy and Management. Biosensors, 2021, 11, 40.	2.3	17
7	Kisspeptin Inhibits Airway Hyperresponsiveness in a Murine Model of Asthma. FASEB Journal, 2021, 35, .	0.2	0
8	Androgen receptor activation alleviates airway hyperresponsiveness, inflammation, and remodeling in a murine model of asthma. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L803-L818.	1.3	12
9	Glialâ€derived neurotrophic factor in human airway smooth muscle. Journal of Cellular Physiology, 2021, 236, 8184-8196.	2.0	6
10	Nicotinic Î±7 acetylcholine receptor (Î±7nAChR) in human airway smooth muscle. Archives of Biochemistry and Biophysics, 2021, 706, 108897.	1.4	13
11	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
12	Iminodibenzyl redirected cyclooxygenase-2 catalyzed dihomo-Î³-linolenic acid peroxidation pattern in lung cancer. Free Radical Biology and Medicine, 2021, 172, 167-180.	1.3	4
13	Iminodibenzyl induced redirected COX-2 activity inhibits breast cancer progression. Npj Breast Cancer, 2021, 7, 122.	2.3	2
14	Neurotrophin Regulation and Signaling in Airway Smooth Muscle. Advances in Experimental Medicine and Biology, 2021, 1304, 109-121.	0.8	2
15	Targeted Polymeric Nanoparticles for Drug Delivery to Hypoxic, Triple-Negative Breast Tumors. ACS Applied Bio Materials, 2021, 4, 1450-1460.	2.3	29
16	Targeting Estrogen Receptor-Positive Breast Microtumors with Endoxifen-Conjugated, Hypoxia-Sensitive Polymersomes. ACS Omega, 2021, 6, 27654-27667.	1.6	6
17	Cellular and Biochemical Analysis of Bronchoalveolar Lavage Fluid from Murine Lungs. Methods in Molecular Biology, 2021, 2223, 201-215.	0.4	10
18	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

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19	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
20	EpCAM-Targeted 3WJ RNA Nanoparticle Harboring Delta-5-Desaturase siRNA Inhibited Lung Tumor Formation via DGLA Peroxidation. Molecular Therapy - Nucleic Acids, 2020, 22, 222-235.	2.3	17
21	Growth inhibitory and anti-metastatic activity of epithelial cell adhesion molecule targeted three-way junctional delta-5-desaturase siRNA nanoparticle for breast cancer therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 30, 102298.	1.7	9
22	Hypoxia-Responsive, Polymeric Nanocarriers for Targeted Drug Delivery to Estrogen Receptor-Positive Breast Cancer Cell Spheroids. Molecular Pharmaceutics, 2020, 17, 4312-4322.	2.3	32
23	Estrogen Receptors Differentially Regulate the Overall Contractility of Human Airway Smooth Muscle. FASEB Journal, 2020, 34, 1-1.	0.2	1
24	Development of a Novel Ï‰â€6 Polyunsaturated Fatty Acid Based Treatment Strategy for Nonâ€Melanoma Skin Cancer by Inhibiting Deltaâ€5â€Desaturase. FASEB Journal, 2020, 34, 1-1.	0.2	0
25	Second Hand Cigarette Smoke Exposure Impairs the Vasodilator Response to Apelin in Rat Coronary Arteries. FASEB Journal, 2020, 34, 1-1.	0.2	0
26	New Deltaâ€5â€Desaturase Inhibitor Suppress Lung Cancer Progression: A Paradigm Shift on COXâ€2 Biology in Lung Cancer Treatment. FASEB Journal, 2020, 34, 1-1.	0.2	0
27	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
28	Role of Differential Estrogen Receptor Activation in Airway Hyperreactivity and Remodeling in a Murine Model of Asthma. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 469-480.	1.4	38
29	Laser-capture microdissection of murine lung for differential cellular RNA analysis. Cell and Tissue Research, 2019, 376, 425-432.	1.5	13
30	Downstream vascular changes after flow-diverting device deployment in a rabbit model. Journal of NeuroInterventional Surgery, 2019, 11, 523-527.	2.0	6
31	Role of Estrogen Receptors Î± and Î² in a Murine Model of Asthma: Exacerbated Airway Hyperresponsiveness and Remodeling in ERÎ² Knockout Mice. Frontiers in Pharmacology, 2019, 10, 1499.	1.6	35
32	Androgen Receptor-Mediated Regulation of Intracellular Calcium in Human Airway Smooth Muscle Cells. Cellular Physiology and Biochemistry, 2019, 53, 215-228.	1.1	26
33	Estrogen Signaling on Mitochondrial Dynamics in Human Airway Smooth Muscle Cells. FASEB Journal, 2019, 33, 734.12.	0.2	0
34	Estrogen Receptors Differentially Regulates Intracellular Calcium Handling in Human Asthmatic Airway Smooth Muscle Cells. FASEB Journal, 2019, 33, 735.7.	0.2	0
35	Estrogen receptor beta signaling inhibits PDGF induced human airway smooth muscle proliferation. Molecular and Cellular Endocrinology, 2018, 476, 37-47.	1.6	48
36	3D Printability of Alginate-Carboxymethyl Cellulose Hydrogel. Materials, 2018, 11, 454.	1.3	192

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37	Estrogen Receptor Signaling and Intracellular Calcium Regulation in Human Airway Smooth Muscle. FASEB Journal, 2018, 32, 840.10.	0.2	0
38	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
39	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
40	Sex Differences in Pulmonary Anatomy and Physiology. , 2016, , 89-103.		11
41	Secreted Brain-Derived Neurotrophic Factor and Asthma Severity. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 297-297.	1.4	1
42	577: Inflammation alters intracellular calcium regulation in human uterine smooth cells. American Journal of Obstetrics and Gynecology, 2016, 214, S310.	0.7	0
43	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
44	Mechanisms of Cigarette Smoke Effects on Human Airway Smooth Muscle. PLoS ONE, 2015, 10, e0128778.	1.1	38
45	Cigarette Smoke and Estrogen Signaling in Human Airway Smooth Muscle. Cellular Physiology and Biochemistry, 2015, 36, 1101-1115.	1.1	37
46	Sex steroid signaling: Implications for lung diseases. , 2015, 150, 94-108.		125
47	Calcium-sensing receptor antagonists abrogate airway hyperresponsiveness and inflammation in allergic asthma. Science Translational Medicine, 2015, 7, 284ra60.	5.8	142
48	Plasminogen Activator Inhibitor-1 Suppresses Profibrotic Responses in Fibroblasts from Fibrotic Lungs. Journal of Biological Chemistry, 2015, 290, 9428-9441.	1.6	43
49	Role of the Urokinase-Fibrinolytic System in Epithelialâ€“Mesenchymal Transition during Lung Injury. American Journal of Pathology, 2015, 185, 55-68.	1.9	40
50	Role of Hypoxia-Induced Brain Derived Neurotrophic Factor in Human Pulmonary Artery Smooth Muscle. PLoS ONE, 2015, 10, e0129489.	1.1	21
51	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
52	Sex Steroid Signaling in the Airway. , 2014, , 321-332.		0
53	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
54	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

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55	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
56	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
57	Caveolin-1 regulation of store-operated Ca²⁺influx in human airway smooth muscle. European Respiratory Journal, 2012, 40, 470-478.	3.1	68
58	Caveolae and propofol effects on airway smooth muscle. British Journal of Anaesthesia, 2012, 109, 444-453.	1.5	16
59	Direct Effect Of Cigarette Smoke On TRPC3 Calcium Responses And Human Airway Smooth Muscle Cell Proliferation. , 2012, , .		0
60	Mechanisms Underlying Estrogen Effects On Airway Smooth Muscle Proliferation. , 2012, , .		0
61	TrkB Mediated Brain-Derived Neurotrophic Factor (BDNF) Effects On Human Airway Smooth Muscle. , 2012, , .		1
62	Caveolin-1, Cavins And CD38-Mediated Ca2+ Regulation In Airway Inflammation. , 2012, , .		0
63	Cigarette Smoke Exposure Alters Estrogen Signaling In Human Airway Smooth Muscle. , 2012, , .		0
64	Brain-Derived Neurotrophic Factor Enhances Calcium Regulatory Mechanisms in Human Airway Smooth Muscle. PLoS ONE, 2012, 7, e44343.	1.1	45
65	Human Airway Smooth Muscle Cells Express Thymic Stromal Lymphopoietin Receptors. , 2011, , .		0
66	Role Of Caveolae In Regulation Of Store-Operated Ca2+ Influx In Human Airway Smooth Muscle. , 2011, , .		0
67	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
68	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
69	Sodium-Calcium Exchange in Intracellular Calcium Handling of Human Airway Smooth Muscle. PLoS ONE, 2011, 6, e23662.	1.1	47
70	Cigarette smoke enhances TRPC and CD38 expression in human airway smooth muscle. FASEB Journal, 2011, 25, .	0.2	0
71	Mechanisms of Neurotrophin Action on Human Airway Smooth Muscle. FASEB Journal, 2011, 25, 864.9.	0.2	0
72	Thymic Stromal Lymphopoietin In Cigarette Smoke Effects On Human Airway Smooth Muscle. , 2010, , .		0

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73	Cigarette Smoke Exposure And Estrogen Signaling In Human Airway. , 2010, , .		0
74	Regulation Of Caveolae In Human Airway Smooth Muscle By Inflammatory Cytokines. , 2010, , .		0
75	Thymic Stromal Lymphopoietin in Cigarette Smoke-Exposed Human Airway Smooth Muscle. Journal of Immunology, 2010, 185, 3035-3040.	0.4	91
76	Synergistic effect of nicorandil and amlodipine on mitochondrial function during isoproterenol-induced myocardial infarction in rats. Journal of Pharmacy and Pharmacology, 2010, 54, 133-137.	1.2	33
77	Inflammation enhances Na + /Ca 2+ exchange in human airway smooth muscle. FASEB Journal, 2010, 24, 1062.6.	0.2	0
78	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
79	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
80	Effect of Hydrogen Sulfide on [Ca2+]i Regulation in Airway Smooth Muscle. FASEB Journal, 2009, 23, 622.5.	0.2	1
81	Corrigendum to: Role of neuronal nitric oxide synthase in lipopolysaccharide-induced tumor necrosis factor-alpha expression in cardiomyocytes. Cardiovascular Research, 2008, 81, 814-814.	1.8	0
82	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
83	Role of neuronal nitric oxide synthase in lipopolysaccharide-induced tumor necrosis factor-alpha expression in neonatal mouse cardiomyocytes. Cardiovascular Research, 2007, 75, 408-416.	1.8	24
84	Synergistic effect of Nicorandil and Amlodipine on tissue defense system during experimental myocardial infarction in rats. Molecular and Cellular Biochemistry, 2003, 243, 133-138.	1.4	45
85	Biochemical changes on the cardioprotective effect of nicorandil and amlodipine during experimental myocardial infarction in rats. Pharmacological Research, 2003, 48, 565-570.	3.1	23
86	Effect of L-arginine and L-lysine on lysosomal hydrolases and membrane bound phosphatases in experimentally induced myocardial infarction in rats. Molecular and Cellular Biochemistry, 2003, 247, 163-169.	1.4	22
87	Effect of arginine and lysine on mitochondrial function during isoproterenol induced myocardial infarction in rats. Nutrition Research, 2003, 23, 1269-1277.	1.3	7
88	Effect of arginine and lysine on mitochondrial function during isoproterenol induced myocardial infarction in rats. Nutrition Research, 2003, 23, 1417-1425.	1.3	6
89	Synergistic effect of nicorandil and amlodipine on lysosomal hydrolases during experimental myocardial infarction in rats. Biomedicine and Pharmacotherapy, 2003, 57, 309-313.	2.5	29
90	2D Nanomaterial, Ti3C2 MXene-Based Sensor to Guide Lung Cancer Therapy and Management. , 0, , .		3