

# Rajkumar Savai

## List of Publications by Year in descending order

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Version: 2024-02-01

167  
papers

14,718  
citations

19608

61  
h-index

19690

117  
g-index

170  
all docs

170  
docs citations

170  
times ranked

15349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sildenafil Citrate Therapy for Pulmonary Arterial Hypertension. <i>New England Journal of Medicine</i> , 2005, 353, 2148-2157.	13.9	2,237
2	Reversal of experimental pulmonary hypertension by PDGF inhibition. <i>Journal of Clinical Investigation</i> , 2005, 115, 2811-2821.	3.9	917
3	Inflammation, Growth Factors, and Pulmonary Vascular Remodeling. <i>Journal of the American College of Cardiology</i> , 2009, 54, S10-S19.	1.2	605
4	Mechanisms of disease: pulmonary arterial hypertension. <i>Nature Reviews Cardiology</i> , 2011, 8, 443-455.	6.1	605
5	Real-time quantitative RT-PCR after laser-assisted cell picking. <i>Nature Medicine</i> , 1998, 4, 1329-1333.	15.2	547
6	Imatinib Mesylate as Add-on Therapy for Pulmonary Arterial Hypertension. <i>Circulation</i> , 2013, 127, 1128-1138.	1.6	482
7	Imatinib for the Treatment of Pulmonary Arterial Hypertension. <i>New England Journal of Medicine</i> , 2005, 353, 1412-1413.	13.9	440
8	Imatinib in Pulmonary Arterial Hypertension Patients with Inadequate Response to Established Therapy. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1171-1177.	2.5	331
9	Immune and Inflammatory Cell Involvement in the Pathology of Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 897-908.	2.5	296
10	Inducible NOS Inhibition Reverses Tobacco-Smoke-Induced Emphysema and Pulmonary Hypertension in Mice. <i>Cell</i> , 2011, 147, 293-305.	13.5	293
11	Classical transient receptor potential channel 6 (TRPC6) is essential for hypoxic pulmonary vasoconstriction and alveolar gas exchange. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 19093-19098.	3.3	273
12	Pro-proliferative and inflammatory signaling converge on FoxO1 transcription factor in pulmonary hypertension. <i>Nature Medicine</i> , 2014, 20, 1289-1300.	15.2	233
13	Redirecting tumor-associated macrophages to become tumoricidal effectors as a novel strategy for cancer therapy. <i>Oncotarget</i> , 2017, 8, 48436-48452.	0.8	216
14	S1PR1 on tumor-associated macrophages promotes lymphangiogenesis and metastasis via NLRP3/IL-1 $\beta$ . <i>Journal of Experimental Medicine</i> , 2017, 214, 2695-2713.	4.2	216
15	Inhibition of MicroRNA-17 Improves Lung and Heart Function in Experimental Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 185, 409-419.	2.5	206
16	Long Noncoding RNA MANTIS Facilitates Endothelial Angiogenic Function. <i>Circulation</i> , 2017, 136, 65-79.	1.6	196
17	Macrophage and Cancer Cell Cross-talk via CCR2 and CX3CR1 Is a Fundamental Mechanism Driving Lung Cancer. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 437-447.	2.5	186
18	Upregulation of NAD(P)H oxidase 1 in hypoxia activates hypoxia-inducible factor 1 via increase in reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2004, 36, 1279-1288.	1.3	183

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19	Adventitial Fibroblasts Induce a Distinct Proinflammatory/Profibrotic Macrophage Phenotype in Pulmonary Hypertension. <i>Journal of Immunology</i> , 2014, 193, 597-609.	0.4	162
20	Tumor-derived exosomes in the regulation of macrophage polarization. <i>Inflammation Research</i> , 2020, 69, 435-451.	1.6	153
21	Phytochemicals as modulators of M1-M2 macrophages in inflammation. <i>Oncotarget</i> , 2018, 9, 17937-17950.	0.8	143
22	Combined Tyrosine and Serine/Threonine Kinase Inhibition by Sorafenib Prevents Progression of Experimental Pulmonary Hypertension and Myocardial Remodeling. <i>Circulation</i> , 2008, 118, 2081-2090.	1.6	139
23	Targeting cancer with phosphodiesterase inhibitors. <i>Expert Opinion on Investigational Drugs</i> , 2010, 19, 117-131.	1.9	123
24	Phosphodiesterase-4 promotes proliferation and angiogenesis of lung cancer by crosstalk with HIF. <i>Oncogene</i> , 2013, 32, 1121-1134.	2.6	120
25	Targeting non-malignant disorders with tyrosine kinase inhibitors. <i>Nature Reviews Drug Discovery</i> , 2010, 9, 956-970.	21.5	118
26	Role of Epidermal Growth Factor Inhibition in Experimental Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 181, 158-167.	2.5	118
27	Translational Advances in the Field of Pulmonary Hypertension. From Cancer Biology to New Pulmonary Arterial Hypertension Therapeutics. Targeting Cell Growth and Proliferation Signaling Hubs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 425-437.	2.5	117
28	Reprogramming of tumor-associated macrophages by targeting $\beta$ -catenin/FOSL2/ARID5A signaling: A potential treatment of lung cancer. <i>Science Advances</i> , 2020, 6, eaaz6105.	4.7	110
29	Spatial Density and Distribution of Tumor-Associated Macrophages Predict Survival in Non-Small Cell Lung Carcinoma. <i>Cancer Research</i> , 2020, 80, 4414-4425.	0.4	109
30	Role of Src Tyrosine Kinases in Experimental Pulmonary Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1354-1365.	1.1	108
31	Heterogeneity in Lung <sup>18</sup> F FDG Uptake in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2013, 128, 1214-1224.	1.6	107
32	Aberrant expression and activity of histone deacetylases in sporadic idiopathic pulmonary fibrosis. <i>Thorax</i> , 2015, 70, 1022-1032.	2.7	106
33	Hypoxia-inducible factor signaling in pulmonary hypertension. <i>Journal of Clinical Investigation</i> , 2020, 130, 5638-5651.	3.9	104
34	Microenvironmental Th9 and Th17 lymphocytes induce metastatic spreading in lung cancer. <i>Journal of Clinical Investigation</i> , 2020, 130, 3560-3575.	3.9	103
35	Immune and Inflammatory Cell Composition of Human Lung Cancer Stroma. <i>PLoS ONE</i> , 2015, 10, e0139073.	1.1	101
36	The Soluble Guanylate Cyclase Stimulator Riociguat Ameliorates Pulmonary Hypertension Induced by Hypoxia and SU5416 in Rats. <i>PLoS ONE</i> , 2012, 7, e43433.	1.1	100

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37	The Noncanonical WNT Pathway Is Operative in Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 40, 683-691.	1.4	93
38	Notch1 signalling regulates endothelial proliferation and apoptosis in pulmonary arterial hypertension. <i>European Respiratory Journal</i> , 2016, 48, 1137-1149.	3.1	89
39	Role of Hypoxia-Inducible Factor-1 $\alpha$ in Hypoxia-Induced Apoptosis of Primary Alveolar Epithelial Type II Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 32, 395-403.	1.4	87
40	Evaluation of Angiogenesis Using Micro-Computed Tomography in a Xenograft Mouse Model of Lung Cancer. <i>Neoplasia</i> , 2009, 11, 48-56.	2.3	87
41	FoxO3 an important player in fibrogenesis and therapeutic target for idiopathic pulmonary fibrosis. <i>EMBO Molecular Medicine</i> , 2018, 10, 276-293.	3.3	85
42	Expression and Activity of Phosphodiesterase Isoforms during Epithelial Mesenchymal Transition: The Role of Phosphodiesterase 4. <i>Molecular Biology of the Cell</i> , 2009, 20, 4751-4765.	0.9	84
43	Role of the Prostanoid EP4 Receptor in Iloprost-mediated Vasodilatation in Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 188-196.	2.5	82
44	Stimulation of Soluble Guanylate Cyclase Prevents Cigarette Smoke-induced Pulmonary Hypertension and Emphysema. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 1359-1373.	2.5	80
45	Increased Protein Arginine Methylation in Chronic Hypoxia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 35, 436-443.	1.4	78
46	ASK1 Inhibition Halts Disease Progression in Preclinical Models of Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 373-385.	2.5	78
47	A RASSF1A-HIF1 $\alpha$ loop drives Warburg effect in cancer and pulmonary hypertension. <i>Nature Communications</i> , 2019, 10, 2130.	5.8	77
48	Macrophage and Tumor Cell Cross-Talk Is Fundamental for Lung Tumor Progression: We Need to Talk. <i>Frontiers in Oncology</i> , 2020, 10, 324.	1.3	76
49	cDNA Array Hybridization after Laser-Assisted Microdissection from Nonneoplastic Tissue. <i>American Journal of Pathology</i> , 2002, 160, 81-90.	1.9	75
50	Novel and Emerging Therapies for Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 394-400.	2.5	75
51	Differential Effects of Drugs Targeting Cancer Stem Cell (CSC) and Non-CSC Populations on Lung Primary Tumors and Metastasis. <i>PLoS ONE</i> , 2013, 8, e79798.	1.1	75
52	CRISPR-Cas9-based target validation for p53-reactivating model compounds. <i>Nature Chemical Biology</i> , 2016, 12, 22-28.	3.9	74
53	Hypoxia-driven proliferation of human pulmonary artery fibroblasts: cross-talk between HIF1 $\alpha$ and an autocrine angiotensin system. <i>FASEB Journal</i> , 2005, 19, 1-26.	0.2	72
54	p38 MAPK Inhibition Improves Heart Function in Pressure-Loaded Right Ventricular Hypertrophy. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 603-614.	1.4	72

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55	Lung cancer-associated pulmonary hypertension: Role of microenvironmental inflammation based on tumor cell-immune cell cross-talk. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	69
56	Therapeutic Targeting of Th17/Tc17 Cells Leads to Clinical Improvement of Lichen Planus. <i>Frontiers in Immunology</i> , 2019, 10, 1808.	2.2	69
57	Targeting cyclin-dependent kinases for the treatment of pulmonary arterial hypertension. <i>Nature Communications</i> , 2019, 10, 2204.	5.8	69
58	Targeting histone acetylation in pulmonary hypertension and right ventricular hypertrophy. <i>British Journal of Pharmacology</i> , 2021, 178, 54-71.	2.7	69
59	RNA interference for HIF-1 $\alpha$ inhibits its downstream signalling and affects cellular proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 571-577.	1.0	68
60	Mitochondrial Hyperpolarization in Pulmonary Vascular Remodeling. Mitochondrial Uncoupling Protein Deficiency as Disease Model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 358-367.	1.4	66
61	Amplified canonical transforming growth factor- $\beta$ signalling via heat shock protein 90 in pulmonary fibrosis. <i>European Respiratory Journal</i> , 2017, 49, 1501941.	3.1	66
62	Potential Applications of Flat-Panel Volumetric CT in Morphologic, Functional Small Animal Imaging. <i>Neoplasia</i> , 2005, 7, 730-740.	2.3	63
63	Future Perspectives for the Treatment of Pulmonary Arterial Hypertension. <i>Journal of the American College of Cardiology</i> , 2009, 54, S108-S117.	1.2	62
64	Function of NADPH Oxidase 1 in Pulmonary Arterial Smooth Muscle Cells After Monocrotaline-Induced Pulmonary Vascular Remodeling. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 2213-2231.	2.5	62
65	Zyxin Is a Transforming Growth Factor- $\beta$ (TGF- $\beta$ )/Smad3 Target Gene That Regulates Lung Cancer Cell Motility via Integrin $\alpha$ 5 $\beta$ 1. <i>Journal of Biological Chemistry</i> , 2012, 287, 31393-31405.	1.6	61
66	The Role of Dimethylarginine Dimethylaminohydrolase in Idiopathic Pulmonary Fibrosis. <i>Science Translational Medicine</i> , 2011, 03, 87ra53.	5.8	59
67	Constitutive Reprogramming of Fibroblast Mitochondrial Metabolism in Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 47-57.	1.4	59
68	Interactions between neutrophils and non-small cell lung cancer cells: enhancement of tumor proliferation and inflammatory mediator synthesis. <i>Cancer Immunology, Immunotherapy</i> , 2014, 63, 1297-1306.	2.0	58
69	PDGF Receptor and its Antagonists: Role in Treatment of PAH. <i>Advances in Experimental Medicine and Biology</i> , 2010, 661, 435-446.	0.8	55
70	miR-223-IGF-IR signalling in hypoxia- and load-induced right-ventricular failure: a novel therapeutic approach. <i>Cardiovascular Research</i> , 2016, 111, 184-193.	1.8	54
71	Inactivation of nuclear histone deacetylases by EP300 disrupts the MiCEE complex in idiopathic pulmonary fibrosis. <i>Nature Communications</i> , 2019, 10, 2229.	5.8	53
72	Impact of HIF-1 $\alpha$ and HIF-2 $\alpha$ on proliferation and migration of human pulmonary artery fibroblasts in hypoxia. <i>FASEB Journal</i> , 2006, 20, 163-165.	0.2	52

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73	S1PR4 ablation reduces tumor growth and improves chemotherapy via CD8+ T cell expansion. <i>Journal of Clinical Investigation</i> , 2020, 130, 5461-5476.	3.9	48
74	Inhibition of Urokinase Activity Reduces Primary Tumor Growth and Metastasis Formation in a Murine Lung Carcinoma Model. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 181, 611-619.	2.5	46
75	Eplerenone attenuates pathological pulmonary vascular rather than right ventricular remodeling in pulmonary arterial hypertension. <i>BMC Pulmonary Medicine</i> , 2018, 18, 41.	0.8	46
76	Classical IL-6 signaling: a promising therapeutic target for pulmonary arterial hypertension. <i>Journal of Clinical Investigation</i> , 2018, 128, 1720-1723.	3.9	46
77	Endotoxin induces proliferation of NSCLC in vitro and in vivo: role of COX-2 and EGFR activation. <i>Cancer Immunology, Immunotherapy</i> , 2013, 62, 309-320.	2.0	45
78	Lamin B1 loss promotes lung cancer development and metastasis by epigenetic derepression of RET. <i>Journal of Experimental Medicine</i> , 2019, 216, 1377-1395.	4.2	45
79	Neoadjuvant anti-programmed death-1 immunotherapy by pembrolizumab in resectable non-small cell lung cancer: First clinical experience. <i>Lung Cancer</i> , 2021, 153, 150-157.	0.9	45
80	cAMP Phosphodiesterase Inhibitors Increases Nitric Oxide Production by Modulating Dimethylarginine Dimethylaminohydrolases. <i>Circulation</i> , 2011, 123, 1194-1204.	1.6	42
81	Targeting Jak-Stat Signaling in Experimental Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 100-114.	1.4	37
82	Histological Characterization of Mast Cell Chymase in Patients with Pulmonary Hypertension and Chronic Obstructive Pulmonary Disease. <i>Pulmonary Circulation</i> , 2014, 4, 128-136.	0.8	36
83	Effects of multikinase inhibitors on pressure overload-induced right ventricular remodeling. <i>International Journal of Cardiology</i> , 2013, 167, 2630-2637.	0.8	35
84	Polypharmacology or Promiscuity? Structural Interactions of Resveratrol With Its Bandwagon of Targets. <i>Frontiers in Pharmacology</i> , 2018, 9, 1201.	1.6	35
85	Macrophage-derived IL-6 trans-signalling as a novel target in the pathogenesis of bronchopulmonary dysplasia. <i>European Respiratory Journal</i> , 2022, 59, 2002248.	3.1	35
86	Lipoteichoic acids from <i>Staphylococcus aureus</i> stimulate proliferation of human non-small-cell lung cancer cells in vitro. <i>Cancer Immunology, Immunotherapy</i> , 2017, 66, 799-809.	2.0	33
87	Analysis of Tumor Vessel Supply in Lewis Lung Carcinoma in Mice by Fluorescent Microsphere Distribution and Imaging with Micro- and Flat-Panel Computed Tomography. <i>American Journal of Pathology</i> , 2005, 167, 937-946.	1.9	32
88	The emerging role of epigenetics in pulmonary hypertension. <i>European Respiratory Journal</i> , 2016, 48, 903-917.	3.1	32
89	Cell Density Regulates Neutrophil IL-8 Synthesis: Role of IL-1 Receptor Antagonist and Soluble TNF Receptors. <i>Journal of Immunology</i> , 2001, 166, 6287-6293.	0.4	30
90	Tumor-stromal interactions in lung cancer: novel candidate targets for therapeutic intervention. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 1107-1122.	1.9	30

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91	miR-574-5p as RNA decoy for CUGBP1 stimulates human lung tumor growth by mPGES-1 induction. <i>FASEB Journal</i> , 2019, 33, 6933-6947.	0.2	30
92	Non-invasive lung cancer diagnosis by detection of <i>GATA6</i> and <i>NKX2-1</i> isoforms in exhaled breath condensate. <i>EMBO Molecular Medicine</i> , 2016, 8, 1380-1389.	3.3	29
93	Cigarette Smoke-Induced Emphysema and Pulmonary Hypertension Can Be Prevented by Phosphodiesterase 4 and 5 Inhibition in Mice. <i>PLoS ONE</i> , 2015, 10, e0129327.	1.1	29
94	A Combination Hybrid-Based Vaccination/Adoptive Cellular Therapy to Prevent Tumor Growth by Involvement of T Cells. <i>Cancer Research</i> , 2007, 67, 5443-5453.	0.4	26
95	The Multi-Modal Effect of the Anti-fibrotic Drug Pirfenidone on NSCLC. <i>Frontiers in Oncology</i> , 2019, 9, 1550.	1.3	26
96	Riociguat for treatment of pulmonary hypertension in COPD: a translational study. <i>European Respiratory Journal</i> , 2019, 53, 1802445.	3.1	25
97	Metabolism in tumour-associated macrophages: a quid pro quo with the tumour microenvironment. <i>European Respiratory Review</i> , 2020, 29, 200134.	3.0	25
98	Identification of tumor-associated macrophage subsets that are associated with breast cancer prognosis. <i>Clinical and Translational Medicine</i> , 2020, 10, e239.	1.7	25
99	E-cadherin Controls Bronchiolar Progenitor Cells and Onset of Preneoplastic Lesions in Mice. <i>Neoplasia</i> , 2012, 14, 1164-IN31.	2.3	24
100	ABCB4 is frequently epigenetically silenced in human cancers and inhibits tumor growth. <i>Scientific Reports</i> , 2014, 4, 6899.	1.6	24
101	Direct eicosanoid profiling of the hypoxic lung by comprehensive analysis via capillary liquid chromatography with dual online photodiode-array and tandem mass-spectrometric detection. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 697-714.	1.9	23
102	Impact of S-Adenosylmethionine Decarboxylase 1 on Pulmonary Vascular Remodeling. <i>Circulation</i> , 2014, 129, 1510-1523.	1.6	23
103	NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD. <i>Nature Metabolism</i> , 2020, 2, 532-546.	5.1	23
104	Repurposing Thioridazine (TDZ) as an anti-inflammatory agent. <i>Scientific Reports</i> , 2018, 8, 12471.	1.6	22
105	Small extracellular vesicle-derived miR-574-5p regulates PGE2 biosynthesis via TLR7/8 in lung cancer. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12143.	5.5	21
106	SPARC, a Novel Regulator of Vascular Cell Function in Pulmonary Hypertension. <i>Circulation</i> , 2022, 145, 916-933.	1.6	21
107	Mistletoe lectin has a shiga toxin-like structure and should be combined with other Toll-like receptor ligands in cancer therapy. <i>Cancer Immunology, Immunotherapy</i> , 2013, 62, 1283-1292.	2.0	19
108	Phenotypic Plasticity of Fibroblasts during Mammary Carcinoma Development. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4438.	1.8	19



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109	Macrophage Regulation during Vascular Remodeling: Implications for Pulmonary Hypertension Therapy. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 556-558.	1.4	18
110	Maintained right ventricular pressure overload induces ventricular-arterial decoupling in mice. <i>Experimental Physiology</i> , 2017, 102, 180-189.	0.9	18
111	Kinases as potential targets for treatment of pulmonary hypertension and right ventricular dysfunction. <i>British Journal of Pharmacology</i> , 2021, 178, 31-53.	2.7	18
112	Nintedanib in Severe Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 808-810.	2.5	17
113	Epithelial cell plasticity defines heterogeneity in lung cancer. <i>Cellular Signalling</i> , 2020, 65, 109463.	1.7	17
114	Epigenetic Mechanisms in Parenchymal Lung Diseases: Bystanders or Therapeutic Targets?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 546.	1.8	16
115	Epigenetic reactivation of transcriptional programs orchestrating fetal lung development in human pulmonary hypertension. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	15
116	Spatiotemporal Expression of flk-1 in Pulmonary Epithelial Cells during Lung Development. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 163-170.	1.4	14
117	Epigenetic silencing of downstream genes mediated by tandem orientation in lung cancer. <i>Scientific Reports</i> , 2017, 7, 3896.	1.6	14
118	<sup>3</sup> Deoxy- <sup>3</sup> [18F]Fluorothymidine Positron Emission Tomography Depicts Heterogeneous Proliferation Pathology in Idiopathic Pulmonary Arterial Hypertension Patient Lung. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007402.	1.3	14
119	Epigenetic Inactivation of the Tumor Suppressor IRX1 Occurs Frequently in Lung Adenocarcinoma and Its Silencing Is Associated with Impaired Prognosis. <i>Cancers</i> , 2020, 12, 3528.	1.7	13
120	Myeloid-cell-specific deletion of inducible nitric oxide synthase protects against smoke-induced pulmonary hypertension in mice. <i>European Respiratory Journal</i> , 2022, 59, 2101153.	3.1	13
121	Amplification of Lipopolysaccharide-Induced Cytokine Synthesis in Non-Small Cell Lung Cancer/Neutrophil Cocultures. <i>Molecular Cancer Research</i> , 2009, 7, 1729-1735.	1.5	12
122	Depletion of Bone Marrow-Derived Fibrocytes Attenuates TAA-Induced Liver Fibrosis in Mice. <i>Cells</i> , 2019, 8, 1210.	1.8	12
123	Fibroblast Growth Factor-14 Acts as Tumor Suppressor in Lung Adenocarcinomas. <i>Cells</i> , 2020, 9, 1755.	1.8	12
124	Disrupted PI3K subunit p110 $\alpha$ signaling protects against pulmonary hypertension and reverses established disease in rodents. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	12
125	Adenylate Kinase 4A Key Regulator of Proliferation and Metabolic Shift in Human Pulmonary Arterial Smooth Muscle Cells via Akt and HIF-1 $\alpha$ Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10371.	1.8	11
126	Phosphatidylserine Synthase PTDSS1 Shapes the Tumor Lipidome to Maintain Tumor-Promoting Inflammation. <i>Cancer Research</i> , 2022, 82, 1617-1632.	0.4	11



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127	Sequential Salinomycin Treatment Results in Resistance Formation through Clonal Selection of Epithelial-Like Tumor Cells. <i>Translational Oncology</i> , 2014, 7, 702-711.	1.7	10
128	Evaluating Systolic and Diastolic Cardiac Function in Rodents Using Microscopic Computed Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007653.	1.3	10
129	Interferon Regulatory Factor 9 Promotes Lung Cancer Progression via Regulation of Versican. <i>Cancers</i> , 2021, 13, 208.	1.7	10
130	Disruption of Prostaglandin E2 Signaling in Cancer-Associated Fibroblasts Limits Mammary Carcinoma Growth but Promotes Metastasis. <i>Cancer Research</i> , 2022, 82, 1380-1395.	0.4	10
131	Tyrosine kinase inhibitors with antiangiogenic properties for the treatment of non-small cell lung cancer. <i>Expert Opinion on Investigational Drugs</i> , 2011, 20, 61-74.	1.9	9
132	Elimination of B-RAF in Oncogenic C-RAF-expressing Alveolar Epithelial Type II Cells Reduces MAPK Signal Intensity and Lung Tumor Growth. <i>Journal of Biological Chemistry</i> , 2014, 289, 26804-26816.	1.6	9
133	Effects of macitentan and tadalafil monotherapy or their combination on the right ventricle and plasma metabolites in pulmonary hypertensive rats. <i>Pulmonary Circulation</i> , 2020, 10, 1-16.	0.8	9
134	Metastasis-Associated Protein 2 Represses NF- $\kappa$ B to Reduce Lung Tumor Growth and Inflammation. <i>Cancer Research</i> , 2020, 80, 4199-4211.	0.4	9
135	Epigenetic Regulation by <i>Suv4-20h1</i> in Cardiopulmonary Progenitor Cells Is Required to Prevent Pulmonary Hypertension and Chronic Obstructive Pulmonary Disease. <i>Circulation</i> , 2021, 144, 1042-1058.	1.6	9
136	Genetic deletion of p66shc and/or cyclophilin D results in decreased pulmonary vascular tone. <i>Cardiovascular Research</i> , 2022, 118, 305-315.	1.8	8
137	Non-invasive screening of lung nodules in mice comparing a novel volumetric computed tomography with a clinical multislice CT. <i>Oncology Reports</i> , 2007, 17, 707-12.	1.2	8
138	IRAG1 Deficient Mice Develop PKG1 $\beta$ Dependent Pulmonary Hypertension. <i>Cells</i> , 2020, 9, 2280.	1.8	7
139	Hidden Treasures: Macrophage Long Non-Coding RNAs in Lung Cancer Progression. <i>Cancers</i> , 2021, 13, 4127.	1.7	7
140	Mitochondrial Respiration in Peripheral Blood Mononuclear Cells Negatively Correlates with Disease Severity in Pulmonary Arterial Hypertension. <i>Journal of Clinical Medicine</i> , 2022, 11, 4132.	1.0	7
141	Noninvasive Surrogate Markers of Pulmonary Hypertension Are Associated with Poor Survival in Patients with Lung Cancer. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 1316-1319.	2.5	6
142	Targeting CREB-binding protein overrides LPS induced radioresistance in non-small cell lung cancer cell lines. <i>Oncotarget</i> , 2018, 9, 28976-28988.	0.8	6
143	Depletion of Numb and Numblike in Murine Lung Epithelial Cells Ameliorates Bleomycin-Induced Lung Fibrosis by Inhibiting the $\beta$ -Catenin Signaling Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 639162.	1.8	5
144	Picturing of the Lung Tumor Cellular Composition by Multispectral Flow Cytometry. <i>Frontiers in Immunology</i> , 2022, 13, 827719.	2.2	5

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145	Association of Clonal Hematopoiesis of Indeterminate Potential with Inflammatory Gene Expression in Patients with COPD. <i>Cells</i> , 2022, 11, 2121.	1.8	5
146	Reply to Bogaard et al.: Emphysema Isâ€”at the Mostâ€”Only a Mild Phenotype in the Sugden/Hypoxia Rat Model of Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1450-1452.	2.5	4
147	Therapeutic Potential of Regorafenibâ€”A Multikinase Inhibitor in Pulmonary Hypertension. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1502.	1.8	4
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