Pixin Ran

List of Publications by Year
in descending order

109	5,064	172457	102487
papers	citations	29 h-index	66 g-index

128	128	128	5953
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biomass-related PM2.5 induces mitochondrial fragmentation and dysfunction in human airway epithelial cells. Environmental Pollution, 2022, 292, 118464.	7.5	19
2	Long-Term Ozone Exposure and Small Airway Dysfunction: The China Pulmonary Health (CPH) Study. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 450-458.	5.6	24
3	Chronic exposure to biomass ambient particulate matter triggers alveolar macrophage polarization and activation in the rat lung. Journal of Cellular and Molecular Medicine, 2022, 26, 1156-1168.	3.6	9
4	Associations of residential greenness with lung function and chronic obstructive pulmonary disease in China. Environmental Research, 2022, 209, 112877.	7.5	12
5	Association Between Extracellular Superoxide Dismutase Activity and 1-Year All-Cause Mortality in Patients With Acute Exacerbations of Chronic Obstructive Pulmonary Disease: A Prospective Cohort Study. Frontiers in Medicine, 2022, 9, 811975.	2.6	0
6	Association Between Serum Total Bilirubin and COPD: Results from a Cross-Sectional Study and a Bidirectional Mendelian Randomization Analysis. Clinical Epidemiology, 2022, Volume 14, 289-298.	3.0	4
7	Impaired AT2 to AT1 cell transition in PM2.5-induced mouse model of chronic obstructive pulmonary disease. Respiratory Research, 2022, 23, 70.	3.6	18
8	Validity of a portable spirometer in the communities of China. BMC Pulmonary Medicine, 2022, 22, 80.	2.0	1
9	Development and Validation of a Screening Questionnaire of COPD from a Large Epidemiological Study in China. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2022, 19, 118-124.	1.6	1
10	SARS-CoV-2-specific CD4+ T cells are associated with long-term persistence of neutralizing antibodies. Signal Transduction and Targeted Therapy, 2022, 7, 132.	17.1	16
11	Association Between Serum Total Bilirubin Level and Lung Function Decline in Patients with COPD: Results from a Pooled Study. International Journal of COPD, 2022, Volume 17, 1031-1039.	2.3	2
12	Association Between Serum Uric Acid and Lung Function in People with and without Chronic Obstructive Pulmonary Disease. International Journal of COPD, 2022, Volume 17, 1069-1080.	2.3	2
13	GATA3/long noncoding RNA MHC-R regulates the immune activity of dendritic cells in chronic obstructive pulmonary disease induced by air pollution particulate matter. Journal of Hazardous Materials, 2022, 438, 129459.	12.4	10
14	Association of hospital admission for bronchiectasis with air pollution: A province-wide time-series study in southern China. International Journal of Hygiene and Environmental Health, 2021, 231, 113654.	4.3	13
15	Association of change in air quality with hospital admission for acute exacerbation of chronic obstructive pulmonary disease in Guangdong, China: A province-wide ecological study. Ecotoxicology and Environmental Safety, 2021, 208, 111590.	6.0	18
16	Changes in the gut microbiome and metabolome in a rat model of pulmonary arterial hypertension. Bioengineered, 2021, 12, 5173-5183.	3.2	24
17	Platelet-derived growth factor-BB induces pulmonary venous smooth muscle cells proliferation by upregulating calcium sensing receptor under hypoxic conditions. Cytotechnology, 2021, 73, 189-201.	1.6	0
18	Analysis of pathological changes in the epithelium in COVID-19 patient airways. ERJ Open Research, 2021, 7, 00690-2020.	2.6	16

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19	Pulmonary tuberculosis as a risk factor for chronic obstructive pulmonary disease: a systematic review and meta-analysis. Annals of Translational Medicine, 2021, 9, 390-390.	1.7	29
20	NOX4-Derived ROS Promotes Collagen I Deposition in Bronchial Smooth Muscle Cells by Activating Noncanonical p38MAPK/Akt-Mediated TGF-Î² Signaling. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-20.	4.0	11
21	Exposure to SARS-CoV-2 generates T-cell memory in the absence of a detectable viral infection. Nature Communications, 2021, 12, 1724.	12.8	97
22	Long noncoding RNA IL6â€AS1 is highly expressed in chronic obstructive pulmonary disease and is associated with interleukin 6 by targeting miRâ€149â€5p and early Bâ€cell factorÂ1. Clinical and Translational Medicine, 2021, 11, e479.	4.0	26
23	Prevalence and characteristics of chronic obstructive pulmonary disease in China with a diagnostic criterion of FEV1/FVC less than the lower limit of normalâ€"a reanalysis of Chinese epidemiological survey of COPD (CESCOPD) study. Journal of Thoracic Disease, 2021, 13, 4043-4053.	1.4	1
24	Validity of the Handheld Expiratory Flowmeter for COPD Screening in the Primary Care Setting of China. International Journal of COPD, 2021, Volume 16, 2039-2047.	2.3	1
25	Lung Features in Individuals with Biomass Smoke Exposure Characterized by CT Scan and Changes in Pulmonary Function. International Journal of COPD, 2021, Volume 16, 2575-2584.	2.3	3
26	Exposure to biomass smoke induces pulmonary Th17 cell differentiation by activating TLR2 on dendritic cells in a COPD rat model. Toxicology Letters, 2021, 348, 28-39.	0.8	3
27	Effects of high-frequency temperature variabilities on the morbidity of chronic obstructive pulmonary disease: Evidence in 21 cities of Guangdong, South China. Environmental Research, 2021, 201, 111544.	7.5	8
28	Association of fine particulate matter air pollution and its constituents with lung function: The China Pulmonary Health study. Environment International, 2021, 156, 106707.	10.0	35
29	GSK-3Î² Inhibitors Attenuate the PM2.5-Induced Inflammatory Response in Bronchial Epithelial Cells. International Journal of COPD, 2021, Volume 16, 2845-2856.	2.3	5
30	Gut microbiota dysbiosis contributes to the development of chronic obstructive pulmonary disease. Respiratory Research, 2021, 22, 274.	3.6	56
31	Clinical characteristics of and risk factors for small airway dysfunction detected by impulse oscillometry. Respiratory Medicine, 2021, 190, 106681.	2.9	11
32	PM2.5 Induces Airway Remodeling in Chronic Obstructive Pulmonary Diseases via the Wnt5a/Î²-Catenin Pathway. International Journal of COPD, 2021, Volume 16, 3285-3295.	2.3	11
33	Rationale and design of the Early Chronic Obstructive Pulmonary Disease (ECOPD) study in Guangdong, China: a prospective observational cohort study. Journal of Thoracic Disease, 2021, 13, 6924-6935.	1.4	11
34	Anxiety and Depression in Patients with Chronic Obstructive Pulmonary Disease in China: Results from the China Pulmonary Health [CPH] Study. International Journal of COPD, 2021, Volume 16, 3387-3396.	2.3	9
35	Association Between Non-obstructive Chronic Bronchitis and Incident Chronic Obstructive Pulmonary Disease and All-Cause Mortality: A Systematic Review and Meta-Analysis. Frontiers in Medicine, 2021, 8, 805192.	2.6	6
36	Association of Total Airway Count on Computed Tomography with Pulmonary Function Decline in Early-Stage COPD: A Population-Based Prospective Cohort Study. International Journal of COPD, 2021, Volume 16, 3437-3448.	2.3	1

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37	Identification of an overlapping NF-Î²B/AP-2 positive transcription regulation element of the human GCLC gene. Minerva Surgery, 2021, , .	0.6	0
38	A novel function of calcium sensing receptor in chronic hypoxia-induced pulmonary venous smooth muscle cells proliferation. Hypertension Research, 2020, 43, 271-280.	2.7	1
39	Association of diurnal temperature range with daily hospitalization for exacerbation of chronic respiratory diseases in 21 cities, China. Respiratory Research, 2020, 21, 251.	3.6	24
40	Chronic exposure to ambient particulate matter induces gut microbial dysbiosis in a rat COPD model. Respiratory Research, 2020, 21, 271.	3.6	22
41	LncRNA RP11-86H7.1 promotes airway inflammation induced by TRAPM2.5 by acting as a ceRNA of miRNA-9-5p to regulate NFKB1 in HBECS. Scientific Reports, 2020, 10, 11587.	3.3	27
42	Prevalence and risk factors of small airway dysfunction, and association with smoking, in China: findings from a national cross-sectional study. Lancet Respiratory Medicine,the, 2020, 8, 1081-1093.	10.7	129
43	PM2.5 Induces the Expression of Inflammatory Cytokines via the Wnt5a/Ror2 Pathway in Human Bronchial Epithelial Cells . International Journal of COPD, 2020, Volume 15, 2653-2662.	2.3	28
44	High-dose N-acetylcysteine for long-term, regular treatment of early-stage chronic obstructive pulmonary disease (GOLD Iâ€“II): study protocol for a multicenter, double-blinded, parallel-group, randomized controlled trial in China. Trials, 2020, 21, 780.	1.6	5
45	Clinical characteristics of COVID-19 infection in chronic obstructive pulmonary disease: a multicenter, retrospective, observational study. Journal of Thoracic Disease, 2020, 12, 1811-1823.	1.4	60
46	COVID-19 Severity Correlates with Weaker T-Cell Immunity, Hypercytokinemia, and Lung Epithelium Injury. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 606-610.	5.6	35
47	Using Mobile Health Technology to Deliver a Community-Based Closed-Loop Management System for Chronic Obstructive Pulmonary Disease Patients in Remote Areas of China: Development and Prospective Observational Study. JMIR MHealth and UHealth, 2020, 8, e15978.	3.7	19
48	Regulating Bcl2L12 expression in mast cells inhibits food allergy. Theranostics, 2019, 9, 4982-4992.	10.0	8
49	IgE binding activities and in silico epitope prediction of Der f 32 in Dermatophagoides farinae. Immunology Letters, 2019, 213, 46-54.	2.5	4
50	Co-delivery of allergen epitope fragments and R848 inhibits food allergy by inducing tolerogenic dendritic cells and regulatory T cells . International Journal of Nanomedicine, 2019, Volume 14, 7053-7064.	6.7	16
51	Prevalence, risk factors, and management of asthma in China: a national cross-sectional study. Lancet, The, 2019, 394, 407-418.	13.7	377
52	Long Noncoding RNA COPDA1 Promotes Airway Smooth Muscle Cell Proliferation in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 584-596.	2.9	34
53	Benzo(a)pyrene facilitates dermatophagoides group 1 (Der f 1)â€induced epithelial cytokine release through aryl hydrocarbon receptor in asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 1675-1690.	5.7	58
54	Tiotropium discontinuation in patients with early-stage COPD: a prospective observational cohort study. ERJ Open Research, 2019, 5, 00175-2018.	2.6	10

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55	TRPC channels mediated calcium entry is required for proliferation of human airway smooth muscle cells induced by nicotine-nAChR. Biochimie, 2019, 158, 139-148.	2.6	7
56	Clinical impact of the lower limit of normal of FEV1/FVC on detecting chronic obstructive pulmonary disease: A follow-up study based on cross-sectional data. Respiratory Medicine, 2018, 139, 27-33.	2.9	14
57	Prevalence and risk factors of chronic obstructive pulmonary disease in China (the China Pulmonary) Tj ETQq1 1 0.784314 rgBT /Over	13.7	938
58	Two-pore channels mediated receptor-operated Ca 2+ entry in pulmonary artery smooth muscle cells in response to hypoxia. International Journal of Biochemistry and Cell Biology, 2018, 97, 28-35.	2.8	12
59	PM2.5 promotes human bronchial smooth muscle cell migration via the sonic hedgehog signaling pathway. Respiratory Research, 2018, 19, 37.	3.6	18
60	Small airway disease: <scp>A</scp> different phenotype of early stage <scp>COPD</scp> associated with biomass smoke exposure. Respirology, 2018, 23, 198-205.	2.3	40
61	Airflow Obstruction and Use of Solid Fuels for Cooking or Heating. BOLD (Burden of Obstructive) Tj ETQq1 1 0.784314 rgBT /Overloc	5.6	69
62	Topotecan prevents hypoxia-induced pulmonary arterial hypertension and inhibits hypoxia-inducible factor-1Î± and TRPC channels. International Journal of Biochemistry and Cell Biology, 2018, 104, 161-170.	2.8	14
63	PM2.5 Induced the Expression of Fibrogenic Mediators via HMGB1-RAGE Signaling in Human Airway Epithelial Cells. Canadian Respiratory Journal, 2018, 2018, 1-10.	1.6	16
64	Identification of abnormally expressed lncRNAs induced by PM2.5 in human bronchial epithelial cells. Bioscience Reports, 2018, 38, .	2.4	34
65	Association between exposure to ambient particulate matter and chronic obstructive pulmonary disease: results from a cross-sectional study in China. Thorax, 2017, 72, 788-795.	5.6	185
66	Pplase of Dermatophagoides farinae promotes ovalbumin-induced airway allergy by modulating the functions of dendritic cells in a mouse model. Scientific Reports, 2017, 7, 43322.	3.3	5
67	Exposure to Ambient Particulate Matter Induced COPD in a Rat Model and a Description of the Underlying Mechanism. Scientific Reports, 2017, 7, 45666.	3.3	57
68	Isolation, culture and identification of pulmonary arterial smooth muscle cells from rat distal pulmonary arteries. Cytotechnology, 2017, 69, 831-840.	1.6	18
69	Nicotine-Induced Airway Smooth Muscle Cell Proliferation Involves TRPC6-Dependent Calcium Influx Via Î±7 nAChR. Cellular Physiology and Biochemistry, 2017, 43, 986-1002.	1.6	35
70	Positive feedback of the amphiregulin-EGFR-ERK pathway mediates PM2.5 from wood smoke-induced MUC5AC expression in epithelial cells. Scientific Reports, 2017, 7, 11084.	3.3	31
71	Der f 31, a novel allergen from Dermatophagoides farinae, activates epithelial cells and enhances lung-resident group 2 innate lymphoid cells. Scientific Reports, 2017, 7, 8519.	3.3	12
72	Tiotropium in Early-Stage Chronic Obstructive Pulmonary Disease. New England Journal of Medicine, 2017, 377, 923-935.	27.0	189

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73	Tiotropium in Early-Stage COPD. New England Journal of Medicine, 2017, 377, 2292-2294.	27.0	3
74	Exposure to ambient particulate matter alters the microbial composition and induces immune changes in rat lung. Respiratory Research, 2017, 18, 143.	3.6	49
75	Two CHRN susceptibility variants for COPD are genetic determinants of emphysema and chest computed tomography manifestations in Chinese patients. International Journal of COPD, 2017, Volume 12, 1447-1455.	2.3	2
76	The association between ambient temperature and out-of-hospital cardiac arrest in Guangzhou, China. Science of the Total Environment, 2016, 572, 114-118.	8.0	35
77	An efficient method to genotype the polymorphisms of cholinergic nicotinic receptor subunit genes and their associations with COPD onset risk. Experimental Lung Research, 2016, 42, 267-274.	1.2	1
78	Identification of Î±-tubulin, Der f 33, as a novel allergen from Dermatophagoides farinae. Immunobiology, 2016, 221, 911-917.	1.9	10
79	Study Design and Interim Outcomes of Guangzhou Institute of Respiratory Disease COPD Biobank. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2016, 13, 203-213.	1.6	8
80	Nicotine reduces the levels of surfactant proteins A and D via Wnt/Î²-catenin and PKC signaling in human airway epithelial cells. Respiratory Physiology and Neurobiology, 2016, 221, 1-10.	1.6	11
81	Chronic Hypoxia Increases Intracellular Ca²⁺ Concentration via Enhanced Ca²⁺ Entry Through Receptor-Operated Ca²⁺ Channels in Pulmonary Venous Smooth Muscle Cells. Circulation Journal, 2015, 79, 2058-2068.	1.6	19
82	Exon sequencing identifies a novel CHRNA3â€CHRNA5â€CHRNB4 variant that increases the risk for chronic obstructive pulmonary disease. Respirology, 2015, 20, 790-798.	2.3	9
83	Duplicated copy of CHRNA7 increases risk and worsens prognosis of COPD and lung cancer. European Journal of Human Genetics, 2015, 23, 1019-1024.	2.8	20
84	Risk factors shared by COPD and lung cancer and mediation effect of COPD: two center caseâ€“control studies. Cancer Causes and Control, 2015, 26, 11-24.	1.8	26
85	tert-Butylhydroquinone mobilizes intracellular-bound zinc to stabilize Nrf2 through inhibiting phosphatase activity. American Journal of Physiology - Cell Physiology, 2015, 309, C148-C158.	4.6	11
86	The Pneumonia Severity Index as a Predictor of In-Hospital Mortality in Acute Exacerbation of Chronic Obstructive Pulmonary Disease. PLoS ONE, 2015, 10, e0133160.	2.5	20
87	Air pollution and COPD in China. Journal of Thoracic Disease, 2015, 7, 59-66.	1.4	34
88	Study on risk factors and phenotypes of acute exacerbations of chronic obstructive pulmonary disease in Guangzhou, China-design and baseline characteristics. Journal of Thoracic Disease, 2015, 7, 720-33.	1.4	9
89	The Pro-Proliferative Effects of Nicotine and Its Underlying Mechanism on Rat Airway Smooth Muscle Cells. PLoS ONE, 2014, 9, e93508.	2.5	18
90	Lung Function and Incidence of Chronic Obstructive Pulmonary Disease after Improved Cooking Fuels and Kitchen Ventilation: A 9-Year Prospective Cohort Study. PLoS Medicine, 2014, 11, e1001621.	8.4	148

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91	Genetic variant in the 3'-untranslated region of VEGFR1 gene influences chronic obstructive pulmonary disease and lung cancer development in Chinese population. Mutagenesis, 2014, 29, 311-317.	2.6	14
92	Early intervention with tiotropium in Chinese patients with GOLD stages Iâ€“II chronic obstructive pulmonary disease (Tie-COPD): study protocol for a multicentre, double-blinded, randomised, controlled trial. BMJ Open, 2014, 4, e003991.	1.9	10
93	Upregulation of Gelatinases and Epithelialâ€“Mesenchymal Transition in Small Airway Remodeling Associated with Chronic Exposure to Wood Smoke. PLoS ONE, 2014, 9, e96708.	2.5	18
94	Functional polymorphisms in NFÎºB1/IÎºBÎ± predict risks of chronic obstructive pulmonary disease and lung cancer in Chinese. Human Genetics, 2013, 132, 451-460.	3.8	31
95	Development and systematic oxidative stress of a rat model of chronic bronchitis and emphysema induced by biomass smoke. Experimental Lung Research, 2013, 39, 229-240.	1.2	24
96	The Association between BMI and COPD: The Results of Two Population-based Studies in Guangzhou, China. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2013, 10, 567-572.	1.6	45
97	Functional Polymorphisms of CHRNA3 Predict Risks of Chronic Obstructive Pulmonary Disease and Lung Cancer in Chinese. PLoS ONE, 2012, 7, e46071.	2.5	36
98	Association between Chronic Obstructive Pulmonary Disease and Lung Cancer: A Case-Control Study in Southern Chinese and a Meta-Analysis. PLoS ONE, 2012, 7, e46144.	2.5	46
99	A discriminant function model as an alternative method to spirometry for COPD screening in primary care settings in China. Journal of Thoracic Disease, 2012, 4, 594-600.	1.4	10
100	Risk of COPD From Exposure to Biomass Smoke. Chest, 2010, 138, 20-31.	0.8	280
101	Chronic obstructive pulmonary disease in the absence of chronic bronchitis in China. Respirology, 2010, 15, 1072-1078.	2.3	32
102	Sildenafil inhibits chronically hypoxic upregulation of canonical transient receptor potential expression in rat pulmonary arterial smooth muscle. American Journal of Physiology - Cell Physiology, 2010, 298, C114-C123.	4.6	56
103	Expression of store-operated Ca²⁺ entry and transient receptor potential canonical and vanilloid-related proteins in rat distal pulmonary venous smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 299, L621-L630.	2.9	39
104	Community based integrated intervention for prevention and management of chronic obstructive pulmonary disease (COPD) in Guangdong, China: cluster randomised controlled trial. BMJ: British Medical Journal, 2010, 341, c6387-c6387.	2.3	65
105	Isolation and primary culture of rat distal pulmonary venous smooth muscle cells. Hypertension Research, 2010, 33, 308-313.	2.7	16
106	Indoor air pollution as a lung health hazard: focus on populous countries. Current Opinion in Pulmonary Medicine, 2009, 15, 158-164.	2.6	14
107	Storeâ€operated Ca2+ entry (SOCE) and canonical transient receptor potential channel (TRPC) proteins are expressed in rat distal pulmonary venous smooth muscle. FASEB Journal, 2009, 23, 999.11.	0.5	0
108	Biomass fuels are the probable risk factor for chronic obstructive pulmonary disease in rural South China. Thorax, 2007, 62, 889-897.	5.6	229

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109	Prevalence of Chronic Obstructive Pulmonary Disease in China. American Journal of Respiratory and Critical Care Medicine, 2007, 176, 753-760.	5.6	600