

Zhen-guo Zhai

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

1,386
citations

17
h-index

34
g-index

115
ext. papers

1,853
ext. citations

3.9
avg, IF

4.61
L-index

#	Paper	IF	Citations
100	Tenecteplase in Pulmonary Embolism Patients: A Meta-Analysis and Systematic Review.. <i>Frontiers in Medicine</i> , 2022 , 9, 860565	4.9	
99	Clinical Phenotypes With Prognostic Implications in Pulmonary Embolism Patients With Syncope.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 836850	5.4	0
98	Reversal of NADPH Oxidase-Dependent Early Oxidative and Inflammatory Responses in Chronic Obstructive Pulmonary Disease by Puerarin. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 1-24	6.7	0
97	LMWHs dosage and outcomes in acute pulmonary embolism with renal insufficiency, an analysis from a large real-world study.. <i>Thrombosis Journal</i> , 2022 , 20, 26	5.6	
96	The accuracy and influencing factors of Doppler echocardiography in estimating pulmonary artery systolic pressure: comparison with right heart catheterization: a retrospective cross-sectional study.. <i>BMC Medical Imaging</i> , 2022 , 22, 91	2.9	0
95	Examining the Development of Chronic Thromboembolic Pulmonary Hypertension at the Single-Cell Level.. <i>Hypertension</i> , 2021 , HYPERTENSIONAHA12118105	8.5	1
94	A Feasibility Study on Using Single-Photon Emission Computed Tomography Pulmonary Perfusion/Ventilation Imaging for the Diagnosis of Chronic Thromboembolic Pulmonary Hypertension and Patient Risk Assessment. <i>International Journal of General Medicine</i> , 2021 , 14, 8029-8038	2.3	
93	Development and validation of a predictive score for venous thromboembolism in newly diagnosed non-small cell lung cancer. <i>Thrombosis Research</i> , 2021 , 208, 45-51	8.2	0
92	Higher Incidence of Chronic Thromboembolic Pulmonary Hypertension After Acute Pulmonary Embolism in Asians Than in Europeans: A Meta-Analysis. <i>Frontiers in Medicine</i> , 2021 , 8, 721294	4.9	1
91	Extracellular matrix collagen biomarkers levels in patients with chronic thromboembolic pulmonary hypertension. <i>Journal of Thrombosis and Thrombolysis</i> , 2021 , 52, 48-58	5.1	7
90	Radiomics study on pulmonary infarction mimicking community-acquired pneumonia. <i>Clinical Respiratory Journal</i> , 2021 , 15, 661-669	1.7	0
89	Discovery of plasma biomarkers with data-independent acquisition mass spectrometry and antibody microarray for diagnosis and risk stratification of pulmonary embolism. <i>Journal of Thrombosis and Haemostasis</i> , 2021 , 19, 1738-1751	15.4	1
88	Trends in risk stratification, in-hospital management and mortality of patients with acute pulmonary embolism: an analysis from the China pUlmonary thromboembolism REgistry Study (CURES). <i>European Respiratory Journal</i> , 2021 , 58,	13.6	4
87	Cell landscape atlas for patients with chronic thromboembolic pulmonary hypertension after pulmonary endarterectomy constructed using single-cell RNA sequencing. <i>Aging</i> , 2021 , 13, 16485-16499	5.6	1
86	Global reporting of pulmonary embolism-related deaths in the World Health Organization mortality database: Vital registration data from 123 countries. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2021 , 5, e12520	5.1	3
85	The genetics of venous thromboembolism: a systematic review of thrombophilia families. <i>Journal of Thrombosis and Thrombolysis</i> , 2021 , 51, 359-369	5.1	1
84	Radiological, histopathological findings, and clinical outcome of pulmonary artery sarcoma. <i>Pulmonary Circulation</i> , 2021 , 11, 2045894020940537	2.7	

83	Low molecular weight heparin and 28-day mortality among patients with coronavirus disease 2019: A cohort study in the early epidemic era. <i>Thrombosis Research</i> , 2021 , 198, 19-22	8.2	11
82	Plasminogen activator Inhibitor-2 inhibits pulmonary arterial smooth muscle cell proliferation in pulmonary arterial hypertension via PI3K/Akt and ERK signaling. <i>Experimental Cell Research</i> , 2021 , 398, 112392	4.2	4
81	Possible immune regulation mechanisms for the progression of chronic thromboembolic pulmonary hypertension. <i>Thrombosis Research</i> , 2021 , 198, 122-131	8.2	3
80	Surgical treatment of primary pulmonary artery sarcoma. <i>General Thoracic and Cardiovascular Surgery</i> , 2021 , 69, 638-645	1.6	3
79	Pulmonary vein stenosis after lung transplantation: a case report and literature review. <i>Annals of Translational Medicine</i> , 2021 , 9, 181	3.2	0
78	Diffusion capacity abnormalities for carbon monoxide in patients with COVID-19 at 3-month follow-up. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	43
77	A Retrospective Study of Lung Transplantation in Patients With Lymphangioleiomyomatosis: Challenges and Outcomes. <i>Frontiers in Medicine</i> , 2021 , 8, 584826	4.9	3
76	AKT2 regulates endothelial-mediated coagulation homeostasis and promotes intrathrombotic recanalization and thrombus resolution in a mouse model of venous thrombosis. <i>Journal of Thrombosis and Thrombolysis</i> , 2020 , 50, 98-111	5.1	1
75	Prevention and Treatment of Venous Thromboembolism Associated with Coronavirus Disease 2019 Infection: A Consensus Statement before Guidelines. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 937-948	7	221
74	Effect on thromboprophylaxis among hospitalized patients using a system-wide multifaceted quality improvement intervention: Rationale and design for a multicenter cluster randomized clinical trial in China. <i>American Heart Journal</i> , 2020 , 225, 44-54	4.9	0
73	Renal Insufficiency and Short-Term Outcomes of Acute Pulmonary Embolism: A Systemic Review and Meta-Analysis. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 1025-1034	7	4
72	Direct Determination of Coagulation Factor IIa and Plasmin Activities for Monitoring of Thrombotic State. <i>journal of applied laboratory medicine, The</i> , 2020 , 5, 1265-1276	2	1
71	Assessment of the Bova score for risk stratification of acute normotensive pulmonary embolism: A systematic review and meta-analysis. <i>Thrombosis Research</i> , 2020 , 193, 99-106	8.2	4
70	Rational and design of the China Pulmonary Thromboembolism Registry Study (CURES): A prospective multicenter registry. <i>International Journal of Cardiology</i> , 2020 , 316, 242-248	3.2	4
69	D-dimer Triage for COVID-19. <i>Academic Emergency Medicine</i> , 2020 , 27, 612-613	3.4	15
68	Gremlin-1 is a key regulator of endothelial-to-mesenchymal transition in human pulmonary artery endothelial cells. <i>Experimental Cell Research</i> , 2020 , 390, 111941	4.2	6
67	A survey of precision diagnosis and management capacity of pulmonary embolism in 90 hospitals of China. <i>Clinical Respiratory Journal</i> , 2020 , 14, 638-644	1.7	1
66	The filling defect of pulmonary artery, an imaging finding what we should know. <i>Pulmonary Circulation</i> , 2020 , 10, 2045894020910687	2.7	8

65	Evaluation of acute pulmonary embolism and clot burden on CTPA with deep learning. <i>European Radiology</i> , 2020 , 30, 3567-3575	8	30
64	d-dimer is a predictor of clot resolution in patients with pulmonary thromboembolism: A retrospective cohort study. <i>Clinical Respiratory Journal</i> , 2020 , 14, 549-556	1.7	1
63	Regional right ventricular longitudinal systolic strain for detection of severely impaired right ventricular performance in pulmonary hypertension. <i>Echocardiography</i> , 2020 , 37, 592-600	1.5	1
62	Awareness and Prophylaxis of Venous Thromboembolism in Patients with COVID-19: A National Cross-Sectional Survey in Epidemic Era. <i>Journal of Atherosclerosis and Thrombosis</i> , 2020 , 27, 1123-1137	4	0
61	Anxiety and depression in patients with pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension: Results from a Chinese survey. <i>Experimental and Therapeutic Medicine</i> , 2020 , 19, 3124-3132	2.1	10
60	CMR-based heart deformation analysis for quantification of hemodynamics and right ventricular dysfunction in patients with CTEPH. <i>Clinical Respiratory Journal</i> , 2020 , 14, 277-284	1.7	4
59	Response: D-dimer Triage for COVID-19. <i>Academic Emergency Medicine</i> , 2020 , 27, 931	3.4	
58	Validation of the IMPROVE bleeding risk score in Chinese medical patients during hospitalization: Findings from the dissolve-2 study. <i>The Lancet Regional Health - Western Pacific</i> , 2020 , 4, 100054	5	3
57	hsa-miR-106b-5p participates in the development of chronic thromboembolic pulmonary hypertension via targeting matrix metalloproteinase 2. <i>Pulmonary Circulation</i> , 2020 , 10, 2045894020928300	2.7	4
56	Guidance for the Management of Patients with Vascular Disease or Cardiovascular Risk Factors and COVID-19: Position Paper from VAS-European Independent Foundation in Angiology/Vascular Medicine. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 1597-1628	7	73
55	Impact of pulmonary thromboendarterectomy on tricuspid regurgitation in patients with chronic thromboembolic pulmonary hypertension: a single-center prospective cohort experience. <i>Journal of Thoracic Disease</i> , 2020 , 12, 758-764	2.6	2
54	Comparison of prediction value of four bleeding risk scores for pulmonary embolism with anticoagulation: A real-world study in Chinese patients. <i>Clinical Respiratory Journal</i> , 2019 , 13, 139-147	1.7	3
53	Evaluation of unmet clinical needs in prophylaxis and treatment of venous thromboembolism in high-risk patient groups: cancer and critically ill. <i>Thrombosis Journal</i> , 2019 , 17, 6	5.6	10
52	Pleuroparenchymal fibroelastosis secondary to autologous hematopoietic stem cell transplantation: A case report. <i>Experimental and Therapeutic Medicine</i> , 2019 , 17, 2557-2560	2.1	0
51	Circulating biomarkers in chronic thromboembolic pulmonary hypertension. <i>Pulmonary Circulation</i> , 2019 , 9, 2045894019844480	2.7	8
50	IgG4-related disease with tracheobronchial miliary nodules and asthma: a case report and review of the literature. <i>BMC Pulmonary Medicine</i> , 2019 , 19, 191	3.5	4
49	Evaluation of unmet clinical needs in prophylaxis and treatment of venous thromboembolism in at-risk patient groups: pregnancy, elderly and obese patients. <i>Thrombosis Journal</i> , 2019 , 17, 24	5.6	9
48	Trends in Hospitalization and In-Hospital Mortality From VTE, 2007 to 2016, in China. <i>Chest</i> , 2019 , 155, 342-353	5.3	29

47	Awareness and management of pulmonary embolism among physicians in China: a nationwide cross-sectional study. <i>Journal of Thrombosis and Thrombolysis</i> , 2019 , 47, 436-443	5.1	1
46	VTE Risk Profiles and Prophylaxis in Medical and Surgical Inpatients: The Identification of Chinese Hospitalized Patients Risk Profile for Venous Thromboembolism (Dissolve-2)-A Cross-sectional Study. <i>Chest</i> , 2019 , 155, 114-122	5.3	20
45	Bosentan therapy for pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension: A systemic review and meta-analysis. <i>Clinical Respiratory Journal</i> , 2018 , 12, 2065-2074	1.7	11
44	Clinical and imaging spectrum of tuberculosis-associated fibrosing mediastinitis. <i>Clinical Respiratory Journal</i> , 2018 , 12, 1974-1980	1.7	9
43	Identification of haptoglobin as a potential diagnostic biomarker of acute pulmonary embolism. <i>Blood Coagulation and Fibrinolysis</i> , 2018 , 29, 275-281	1	5
42	Differential Diagnosis of Pulmonary Artery Sarcoma and Central Chronic Pulmonary Thromboembolism Using CT and MR Images. <i>Heart Lung and Circulation</i> , 2018 , 27, 819-827	1.8	13
41	The value of speckle-tracking echocardiography in identifying right heart dysfunction in patients with chronic thromboembolic pulmonary hypertension. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 1895-1904	2.5	11
40	Identification of a low frequency missense mutation in MUC6 contributing to pulmonary artery hypertension by whole-exome sequencing. <i>Pulmonary Circulation</i> , 2018 , 8, 2045894018794374	2.7	1
39	Renin-angiotensin system regulates pulmonary arterial smooth muscle cell migration in chronic thromboembolic pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018 , 314, L276-L286	5.8	10
38	Pulmonary Hypertension in Glycogen Storage Disease Type II. <i>Chinese Medical Journal</i> , 2018 , 131, 1375-1376	2.3	0
37	Incidence and risk factors of chronic thromboembolic pulmonary hypertension after acute pulmonary embolism: a systematic review and meta-analysis of cohort studies. <i>Journal of Thoracic Disease</i> , 2018 , 10, 4751-4763	2.6	17
36	cGMP interacts with tropomyosin and downregulates actin-tropomyosin-myosin complex interaction. <i>Respiratory Research</i> , 2018 , 19, 201	7.3	0
35	Bone Marrow-Derived Endothelial Progenitor Cells Contribute to Monocrotaline-Induced Pulmonary Arterial Hypertension in Rats via Inhibition of Store-Operated Ca Channels. <i>BioMed Research International</i> , 2018 , 2018, 4892349	3	3
34	Successful thrombolytic therapy of post-operative massive pulmonary embolism after ultralong cardiopulmonary resuscitation: a case report and review of literature. <i>Clinical Respiratory Journal</i> , 2017 , 11, 383-390	1.7	1
33	Diabetes mellitus is associated with increased bleeding in pulmonary embolism receiving conventional anticoagulant therapy: findings from a "real-world" study. <i>Journal of Thrombosis and Thrombolysis</i> , 2017 , 43, 540-549	5.1	13
32	Metastatic synovial sarcoma of lung mimicking pulmonary embolism and deep venous thrombosis. <i>Thorax</i> , 2017 , 72, 186-188	7.3	
31	A Case of Pulmonary Hypertension Due to Fistulas Between Multiple Systemic Arteries and the Right Pulmonary Artery in an Adult Discovered for Occulted Dyspnoea. <i>Heart Lung and Circulation</i> , 2017 , 26, e54-e58	1.8	3
30	The impact and financial burden of pulmonary arterial hypertension on patients and caregivers: results from a national survey. <i>Medicine (United States)</i> , 2017 , 96, e6783	1.8	23

29	Microarray Analysis and Detection of MicroRNAs Associated with Chronic Thromboembolic Pulmonary Hypertension. <i>BioMed Research International</i> , 2017 , 2017, 8529796	3	13
28	Clinical Study of Acute Vasoreactivity Testing in Patients with Chronic Thromboembolic Pulmonary Hypertension. <i>Chinese Medical Journal</i> , 2017 , 130, 382-391	2.9	8
27	Pulmonary embolism risk stratification by European Society of Cardiology is associated with recurrent venous thromboembolism: Findings from a long-term follow-up study. <i>International Journal of Cardiology</i> , 2016 , 202, 275-81	3.2	10
26	Close concordance between pulmonary angiography and pathology in a canine model with chronic pulmonary thromboembolism and pathological mechanisms after lung ischemia reperfusion injury. <i>Journal of Thrombosis and Thrombolysis</i> , 2016 , 41, 581-91	5.1	4
25	Inverse relationship of bleeding risk with clot burden during pulmonary embolism treatment with LMW heparin. <i>Clinical Respiratory Journal</i> , 2016 , 10, 596-605	1.7	2
24	Hypertension associated with venous thromboembolism in patients with newly diagnosed lung cancer. <i>Scientific Reports</i> , 2016 , 6, 19603	4.9	10
23	Identification of downstream target genes regulated by the nitric oxide-soluble guanylate cyclase-cyclic guanosine monophosphate signal pathway in pulmonary hypertension. <i>Journal of International Medical Research</i> , 2016 , 44, 508-19	1.4	3
22	Pleural effusions as a predictive parameter for poor prognosis for patients with acute pulmonary thromboembolism. <i>Journal of Thrombosis and Thrombolysis</i> , 2016 , 42, 432-40	5.1	6
21	Red cell distribution width is increased in chronic thromboembolic pulmonary hypertension. <i>Clinical Respiratory Journal</i> , 2016 , 10, 54-60	1.7	15
20	Inflammatory response and pneumocyte apoptosis during lung ischemia-reperfusion injury in an experimental pulmonary thromboembolism model. <i>Journal of Thrombosis and Thrombolysis</i> , 2015 , 40, 42-53	5.1	21
19	Prognostic significance of arterial and venous thrombosis in resected specimens for non-small cell lung cancer. <i>Thrombosis Research</i> , 2015 , 136, 451-5	8.2	15
18	The sGC activator inhibits the proliferation and migration, promotes the apoptosis of human pulmonary arterial smooth muscle cells via the up regulation of plasminogen activator inhibitor-2. <i>Experimental Cell Research</i> , 2015 , 332, 278-87	4.2	11
17	Relationship between echocardiographic and cardiac magnetic resonance imaging-derived measures of right ventricular function in patients with chronic thromboembolic pulmonary hypertension. <i>Thrombosis Research</i> , 2015 , 135, 602-6	8.2	11
16	Long-term treatment with low-molecular-weight heparin prolonged the survival time for acute pulmonary embolism patients concurrent with malignancy: an observational analysis from a long-term follow-up study. <i>Thrombosis Research</i> , 2015 , 135, 582-7	8.2	6
15	Oxidative stress and nitric oxide signaling related biomarkers in patients with pulmonary hypertension: a case control study. <i>BMC Pulmonary Medicine</i> , 2015 , 15, 50	3.5	35
14	Incidence of pleural effusion in patients with pulmonary embolism. <i>Chinese Medical Journal</i> , 2015 , 128, 1032-6	2.9	14
13	Real-Time Three-Dimensional Echocardiography to Assess Right Ventricle Function in Patients with Pulmonary Hypertension. <i>PLoS ONE</i> , 2015 , 10, e0129557	3.7	10
12	Initial thrombolysis treatment compared with anticoagulation for acute intermediate-risk pulmonary embolism: a meta-analysis. <i>Journal of Thoracic Disease</i> , 2015 , 7, 810-21	2.6	19

11	Incidence and risk factors of chronic thromboembolic pulmonary hypertension in patients after acute pulmonary embolism. <i>Journal of Thoracic Disease</i> , 2015 , 7, 1927-38	2.6	37
10	Association between KLKB1 Polymorphisms and Pulmonary Thromboembolism. <i>Zhongguo Yi Xue Ke Xue Yuan Xue Bao Acta Academiae Medicinae Sinicae</i> , 2015 , 37, 274-8	0.9	
9	Beneficial effects of inhaled NO on apoptotic pneumocytes in pulmonary thromboembolism model. <i>Theoretical Biology and Medical Modelling</i> , 2014 , 11, 36	2.3	10
8	Prevalence and associations of VTE in patients with newly diagnosed lung cancer. <i>Chest</i> , 2014 , 146, 650-658	5.9	46
7	Lower dosage of recombinant tissue-type plasminogen activator (rt-PA) in the treatment of acute pulmonary embolism: a systematic review and meta-analysis. <i>Thrombosis Research</i> , 2014 , 133, 357-63	8.2	58
6	Pulmonary embolism incidence and fatality trends in chinese hospitals from 1997 to 2008: a multicenter registration study. <i>PLoS ONE</i> , 2011 , 6, e26861	3.7	62
5	Differences in ventilatory inefficiency between pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. <i>Chest</i> , 2011 , 140, 1284-1291	5.3	79
4	Efficacy and safety of low dose recombinant tissue-type plasminogen activator for the treatment of acute pulmonary thromboembolism: a randomized, multicenter, controlled trial. <i>Chest</i> , 2010 , 137, 254-62	5.3	175
3	Pulmonary hypertension in China: pulmonary vascular disease: the global perspective. <i>Chest</i> , 2010 , 137, 69S-77S	5.3	10
2	Clinical and genetic risk factors for venous thromboembolism in Chinese population. <i>Frontiers of Medicine in China</i> , 2010 , 4, 29-35		2
1	Recent research on venous thromboembolism in China: a brief report from China Venous Thromboembolism Study Group. <i>Chinese Medical Journal</i> , 2010 , 123, 485-90	2.9	2