Zhe Luo

List of Publications by Year
in descending order

97 papers	1,895 citations	394421 19 h-index	315739 38 g-index
107 all docs	107 docs citations	107 times ranked	2849 citing authors

#	Article	IF	Citations
1	D-dimer as a biomarker for disease severity and mortality in COVID-19 patients: a case control study. Journal of Intensive Care, 2020, 8, 49.	2.9	418
2	MicroRNA-27a alleviates LPS-induced acute lung injury in mice via inhibiting inï¬ammation and apoptosis through modulating TLR4/MyD88/NF-Î²B pathway. Cell Cycle, 2018, 17, 2001-2018.	2.6	169
3	Glucocorticoid attenuates acute lung injury through induction of type 2 macrophage. Journal of Translational Medicine, 2017, 15, 181.	4.4	94
4	Propensity score matching with R: conventional methods and new features. Annals of Translational Medicine, 2021, 9, 812-812.	1.7	93
5	The effect of RAS blockers on the clinical characteristics of COVID-19 patients with hypertension. Annals of Translational Medicine, 2020, 8, 430-430.	1.7	68
6	Dynamic Predictive Scores for Cardiac Surgeryâ€“Associated Acute Kidney Injury. Journal of the American Heart Association, 2016, 5, .	3.7	63
7	Myocardial injury and COVID-19: Serum hs-cTnI level in risk stratification and the prediction of 30-day fatality in COVID-19 patients with no prior cardiovascular disease. Theranostics, 2020, 10, 9663-9673.	10.0	45
8	Urinary TIMP-2 and IGFBP7 for the prediction of acute kidney injury following cardiac surgery. BMC Nephrology, 2017, 18, 177.	1.8	44
9	A comparison of early versus late initiation of renal replacement therapy for acute kidney injury in critically ill patients: an updated systematic review and meta-analysis of randomized controlled trials. BMC Nephrology, 2017, 18, 264.	1.8	40
10	Combination of caspofungin and lowâ€dose trimethoprim/sulfamethoxazole for the treatment of severe <scp>P</scp>neumocystis jirovecii pneumonia in renal transplant recipients. Nephrology, 2013, 18, 736-742.	1.6	38
11	Development and Validation of a Machine-Learning Model for Prediction of Extubation Failure in Intensive Care Units. Frontiers in Medicine, 2021, 8, 676343.	2.6	34
12	Comparison of CRB-65 and quick sepsis-related organ failure assessment for predicting the need for intensive respiratory or vasopressor support in patients with COVID-19. Journal of Infection, 2020, 81, 647-679.	3.3	33
13	Hemodynamic monitoring in patients with venoarterial extracorporeal membrane oxygenation. Annals of Translational Medicine, 2020, 8, 792-792.	1.7	32
14	Internal jugular vein variability predicts fluid responsiveness in cardiac surgical patients with mechanical ventilation. Annals of Intensive Care, 2018, 8, 6.	4.6	28
15	CXCL16/CXCR6 is involved in LPSâ€induced acute lung injury via P38 signalling. Journal of Cellular and Molecular Medicine, 2019, 23, 5380-5389.	3.6	28
16	Prognostic Accuracy of Early Warning Scores for Clinical Deterioration in Patients With COVID-19. Frontiers in Medicine, 2020, 7, 624255.	2.6	27
17	An interdisciplinary approach for renal transplant recipients with severe pneumonia: a single ICU experience. Intensive Care Medicine, 2014, 40, 914-915.	8.2	23
18	The Immune System Regulation in Sepsis: From Innate to Adaptive. Current Protein and Peptide Science, 2019, 20, 799-816.	1.4	23

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19	A Machine-Learning Approach for Dynamic Prediction of Sepsis-Induced Coagulopathy in Critically Ill Patients With Sepsis. Frontiers in Medicine, 2020, 7, 637434.	2.6	22
20	Inflammatory biomarkers to predict adverse outcomes in postoperative patients with acute type A aortic dissection. Scandinavian Cardiovascular Journal, 2020, 54, 37-46.	1.2	21
21	Inhaled pulmonary vasodilators: a narrative review. Annals of Translational Medicine, 2021, 9, 597-597.	1.7	21
22	Evaluation of five different renal recovery definitions for estimation of long-term outcomes of cardiac surgery associated acute kidney injury. BMC Nephrology, 2019, 20, 427.	1.8	19
23	Role of Body Mass Index in Acute Kidney Injury Patients after Cardiac Surgery. CardioRenal Medicine, 2018, 8, 9-17.	1.9	18
24	Prevalence, Predictors, and Early Outcomes of Post-operative Delirium in Patients With Type A Aortic Dissection During Intensive Care Unit Stay. Frontiers in Medicine, 2020, 7, 572581.	2.6	18
25	A comparison of preemptive versus standard renal replacement therapy for acute kidney injury after cardiac surgery. Journal of Surgical Research, 2016, 204, 205-212.	1.6	17
26	Impact of Presurgical Mild Acute Respiratory Distress Syndrome on Surgical Mortality After Surgical Repair of Acute Type A Aortic Dissection. International Heart Journal, 2017, 58, 739-745.	1.0	17
27	Clinical predictors of COVIDâ€19 disease progression and death: Analysis of 214 hospitalised patients from Wuhan, China. Clinical Respiratory Journal, 2021, 15, 293-309.	1.6	17
28	Ulinastatin ameliorates LPSâ€‘induced pulmonary inflammation and injury by blocking the MAPK/NFâ€Î²B signaling pathways in rats. Molecular Medicine Reports, 2019, 20, 3347-3354.	2.4	16
29	Ginsenoside Rb1 Reduces D-GalN/LPS-induced Acute Liver Injury by Regulating TLR4/NF-ÎºB Signaling and NLRP3 Inflammasome. Journal of Clinical and Translational Hepatology, 2022, 10, 474-485.	1.4	15
30	Lactate dehydrogenase as a prognostic marker of renal transplant recipients with severe community-acquired pneumonia: a 10-year retrospective study. Annals of Translational Medicine, 2019, 7, 660-660.	1.7	15
31	Early Kinetics of Procalcitonin in Predicting Surgical Outcomes in Type A Aortic Dissection Patients. Chinese Medical Journal, 2017, 130, 1175-1181.	2.3	14
32	Role of elevated red cell distribution width on acute kidney injury patients after cardiac surgery. BMC Cardiovascular Disorders, 2018, 18, 166.	1.7	14
33	Impact of cardiac catheterization timing and contrast media dose on acute kidney injury after cardiac surgery. BMC Cardiovascular Disorders, 2018, 18, 191.	1.7	12
34	Initial clinical impact of inhaled nitric oxide therapy for refractory hypoxemia following type A acute aortic dissection surgery. Journal of Thoracic Disease, 2019, 11, 495-504.	1.4	12
35	Myeloid-Derived Suppressor Cells Alleviate Renal Fibrosis Progression via Regulation of CCL5-CCR5 Axis. Frontiers in Immunology, 2021, 12, 698894.	4.8	12
36	Exosome-Derived From Sepsis Patients' Blood Promoted Pyroptosis of Cardiomyocytes by Regulating miR-885-5p/HMBOX1. Frontiers in Cardiovascular Medicine, 2022, 9, 774193.	2.4	12

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37	Moderate-dose glucocorticoids as salvage therapy for severe pneumonia in renal transplant recipients: a single-center feasibility study. Renal Failure, 2014, 36, 202-209.	2.1	11
38	The Effect of Postoperative Fluid Balance on the Occurrence and Progression of Acute Kidney Injury After Cardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 2700-2706.	1.3	11
39	Neutrophil-to-Lymphocyte Ratio Predicts Mortality in Adult Renal Transplant Recipients with Severe Community-Acquired Pneumonia. Pathogens, 2020, 9, 913.	2.8	11
40	Mesenchymal Stem Cell-Derived Extracellular Vesicles: A Potential Therapeutic Strategy for Acute Kidney Injury. Frontiers in Immunology, 2021, 12, 684496.	4.8	11
41	Dynamics in perioperative neutrophil-to-lymphocyte*platelet ratio as a predictor of early acute kidney injury following cardiovascular surgery. Renal Failure, 2021, 43, 1012-1019.	2.1	11
42	Changes in Stroke Volume Variation Induced by Passive Leg Raising to Predict Fluid Responsiveness in Cardiac Surgical Patients With Protective Ventilation. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 1526-1533.	1.3	10
43	Trendelenburg maneuver predicts fluid responsiveness in patients on veno-arterial extracorporeal membrane oxygenation. Annals of Intensive Care, 2021, 11, 16.	4.6	10
44	Levosimendan to Facilitate Weaning From Cardiorespiratory Support in Critically Ill Patients: A Meta-Analysis. Frontiers in Medicine, 2021, 8, 741108.	2.6	10
45	Early- and late-onset severe pneumonia after renal transplantation. International Journal of Clinical and Experimental Medicine, 2015, 8, 1324-32.	1.3	10
46	Preoperative cardiac function parameters as valuable predictors for nurses to recognise delirium after cardiac surgery: A prospective cohort study. European Journal of Cardiovascular Nursing, 2020, 19, 310-319.	0.9	9
47	Cyclic helix B peptide alleviates sepsis-induced acute lung injury by downregulating NLRP3 inflammasome activation in alveolar macrophages. International Immunopharmacology, 2020, 88, 106849.	3.8	9
48	Comprehensive Molecular and Cellular Characterization of Acute Kidney Injury Progression to Renal Fibrosis. Frontiers in Immunology, 2021, 12, 699192.	4.8	9
49	Preoperative hidden renal dysfunction add an age dependent risk of progressive chronic kidney disease after cardiac surgery. Journal of Cardiothoracic Surgery, 2019, 14, 151.	1.1	8
50	Remifentanil versus dexmedetomidine for treatment of cardiac surgery patients with moderate to severe noninvasive ventilation intolerance (REDNIVIN): a prospective, cohort study. Journal of Thoracic Disease, 2020, 12, 5857-5868.	1.4	8
51	End-expiratory occlusion test predicts fluid responsiveness in cardiac surgical patients in the operating theatre. Annals of Translational Medicine, 2019, 7, 315-315.	1.7	8
52	Tailoring steroids in the treatment of COVID-19 pneumonia assisted by CT scans: three case reports. Journal of X-Ray Science and Technology, 2020, 28, 885-892.	1.0	7
53	A novel predictive model for poor in-hospital outcomes in patients with acute kidney injury after cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2023, 165, 1180-1191.e7.	0.8	7
54	Understanding Gene Therapy in Acute Respiratory Distress Syndrome. Current Gene Therapy, 2019, 19, 93-99.	2.0	7

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55	Comparison of the proximal and distal approaches for axillary vein catheterization under ultrasound guidance (PANDA) in cardiac surgery patients susceptible to bleeding: a randomized controlled trial. Annals of Intensive Care, 2020, 10, 90.	4.6	7
56	Erythrocyte transfusion limits the role of elevated red cell distribution width on predicting cardiac surgery associated acute kidney injury. Cardiology Journal, 2021, 28, 255-261.	1.2	6
57	Predictors of mortality for hospitalized young adults aged less than 60 years old with severe COVID-19: a retrospective study. Journal of Thoracic Disease, 2021, 13, 3628-3642.	1.4	6
58	Cascaded deep transfer learning on thoracic CT in COVID-19 patients treated with steroids. Journal of Medical Imaging, 2020, 8, 014501.	1.5	6
59	Acute transverse myelitis of the cervical spine secondary to psoas abscess. BMC Infectious Diseases, 2016, 16, 579.	2.9	5
60	The role of respiratory therapists in fighting the COVID-19 crisis: unsung heroes in Wuhan. Annals of Palliative Medicine, 2020, 9, 4423-4426.	1.2	5
61	Veno-Arterial Extracorporeal Membrane Oxygenation for Patients Undergoing Acute Type A Aortic Dissection Surgery: A Six-Year Experience. Frontiers in Cardiovascular Medicine, 2021, 8, 652527.	2.4	5
62	Association Between Syndecan-1, Fluid Overload, and Progressive Acute Kidney Injury After Adult Cardiac Surgery. Frontiers in Medicine, 2021, 8, 648397.	2.6	5
63	Change in left ventricular velocity time integral during Trendelenburg maneuver predicts fluid responsiveness in cardiac surgical patients in the operating room. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3133-3145.	2.0	5
64	Risk factors for COVID-19 patients with cardiac injury: pulmonary ventilation dysfunction and oxygen inhalation insufficiency are not the direct causes. Aging, 2020, 12, 23464-23477.	3.1	5
65	Preemptive renal replacement therapy in post-cardiotomy cardiogenic shock patients: a historically controlled cohort study. Annals of Translational Medicine, 2019, 7, 534-534.	1.7	5
66	Reversible preoperative renal dysfunction does not add to the risk of postoperative acute kidney injury after cardiac valve surgery. Therapeutics and Clinical Risk Management, 2017, Volume 13, 1499-1505.	2.0	4
67	Efficacy of Early Goal-Directed Renal Replacement Therapy for the Treatment of Acute Kidney Injury After Heart Transplantation: A Single-Center 10-Year Experience. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 1534-1541.	1.3	4
68	Serum N-terminal Pro-B-type Natriuretic Peptide Predicts Mortality in Cardiac Surgery Patients Receiving Renal Replacement Therapy. Frontiers in Medicine, 2020, 7, 153.	2.6	4
69	Volume-associated hemodynamic variables for prediction of cardiac surgery-associated acute kidney injury. Clinical and Experimental Nephrology, 2020, 24, 798-805.	1.6	4
70	Effect of liver injury on prognosis and treatment of hospitalized patients with COVID-19 pneumonia. Annals of Translational Medicine, 2021, 9, 10-10.	1.7	4
71	Recombinant human brain natriuretic peptide ameliorates venous return function in congestive heart failure. ESC Heart Failure, 2022, 9, 2635-2644.	3.1	4
72	Effect of Sequential Noninvasive Ventilation on Early Extubation After Acute Type A Aortic Dissection. Respiratory Care, 2020, 65, 1160-1167.	1.6	3

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73	Inhaled nitric oxide reduces the intrapulmonary shunt to ameliorate severe hypoxemia after acute type A aortic dissection surgery. Nitric Oxide - Biology and Chemistry, 2021, 109-110, 26-32.	2.7	3
74	Tailoring glucocorticoids in patients with severe COVID-19: a narrative review. Annals of Translational Medicine, 2021, 9, 1261-1261.	1.7	3
75	Potentially Modifiable Predictors for Renal Replacement Therapy in Patients with Cardiac Surgery Associated-Acute Kidney Injury: a Propensity Score-Matched Case-Control Study. Brazilian Journal of Cardiovascular Surgery, 2019, 34, 33-40.	0.6	3
76	The pathways and mechanisms of muramyl dipeptide transcellular transport mediated by PepT1 in enterogenous infection. Annals of Translational Medicine, 2019, 7, 473-473.	1.7	3
77	Early risk stratification of acute type A aortic dissection: development and validation of a predictive score. Cardiovascular Diagnosis and Therapy, 2020, 10, 1827-1838.	1.7	3
78	Early Enteral Nutrition Tolerance in Patients With Cardiogenic Shock Requiring Mechanical Circulatory Support. Frontiers in Medicine, 2021, 8, 765424.	2.6	3
79	Acute quadriplegia caused by necrotizing myopathy in a renal transplant recipient with severe pneumonia: acute onset and complete recovery. European Journal of Medical Research, 2015, 20, 11.	2.2	2
80	A quality improvement program with nutrition therapy: restriction of lipid emulsions in cardiac surgical patients. Journal of Thoracic Disease, 2018, 10, 920-929.	1.4	2
81	Influence of Spectral Peaks on EMG Parameter Estimation for Vibration-Exercise Analysis. IEEE Sensors Journal, 2021, 21, 14141-14147.	4.7	2
82	Effects of hyperuricaemia, with the superposition of being overweight and hyperlipidaemia, on the incidence of acute kidney injury following cardiac surgery: a retrospective cohort study. BMJ Open, 2022, 12, e047090.	1.9	2
83	Improvement of cardiac function after coronary artery bypass grafting surgery reduces the risk of postoperative acute kidney injury. Clinical Cardiology, 2022, 45, 173-179.	1.8	2
84	Veno-Arterial Extracorporeal Membrane Oxygenation for Patients Undergoing Heart Transplantation: A 7-Year Experience. Frontiers in Medicine, 2021, 8, 774644.	2.6	2
85	Psychological impact and workload of COVID-19 on healthcare workers in China during the early time of the pandemic: A cross-sectional study. Disaster Medicine and Public Health Preparedness, 2022, , 1-21.	1.3	2
86	Reliability of three-dimensional color flow Doppler and two-dimensional pulse wave Doppler transthoracic echocardiography for estimating cardiac output after cardiac surgery. Cardiovascular Ultrasound, 2019, 17, 5.	1.6	1
87	Evaluation of radial artery pulse pressure effects on detection of stroke volume changes after volume loading maneuvers in cardiac surgical patients. Annals of Translational Medicine, 2020, 8, 787-787.	1.7	1
88	Demystifying medical aerosols in acute and critical care. Annals of Translational Medicine, 2021, 9, 587-587.	1.7	1
89	Ginsenoside Rb1 Modulates the Migration of Bone-Derived Mesenchymal Stem Cells through the SDF-1/CXCR4 Axis and PI3K/Akt Pathway. Disease Markers, 2022, 2022, 1-11.	1.3	1
90	Usage of compromised lung volume in monitoring steroid therapy on severe COVID-19. Respiratory Research, 2022, 23, 105.	3.6	1

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91	Preliminary Study on the Combination Effect of Clindamycin and Low Dose Trimethoprim-Sulfamethoxazole on Severe Pneumocystis Pneumonia After Renal Transplantation. Frontiers in Medicine, 2022, 9, .	2.6	1
92	A big pinball-like thrombus in the heart. Intensive Care Medicine, 2019, 45, 1017-1018.	8.2	0
93	Dobutamine-sparing strategy in managing patients with impaired ejection fraction undergoing coronary artery bypass grafting: less is more?. Journal of Thoracic Disease, 2021, 13, 3923-3926.	1.4	0
94	Recommendations for the medical task force against COVID-19: Zhongshan experience in Wuhan. Annals of Translational Medicine, 2020, 8, 1618-1618.	1.7	0
95	The transition and outcomes of perioperative low ejection fraction status in cardiac surgical patients. Reviews in Cardiovascular Medicine, 2021, 22, 1721.	1.4	0
96	Remifentanil versus Dexmedetomidine in Cardiac Surgery Patients with Noninvasive Ventilation Intolerance: Protocol for the REDNIVI Trial. Reviews in Cardiovascular Medicine, 2022, 23, 084.	1.4	0
97	Steroids Therapy in Patients With Severe COVID-19: Association With Decreasing of Pneumonia Fibrotic Tissue Volume. Frontiers in Medicine, 0, 9, .	2.6	0