

# Zhe Luo

## List of Publications by Year in descending order

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Version: 2024-02-01

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	A novel predictive model for poor in-hospital outcomes in patients with acute kidney injury after cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2023, 165, 1180-1191.e7.	0.8	7
2	Ginsenoside Rb1 Reduces D-GalN/LPS-induced Acute Liver Injury by Regulating TLR4/NF- $\kappa$ B Signaling and NLRP3 Inflammasome. <i>Journal of Clinical and Translational Hepatology</i> , 2022, 10, 474-485.	1.4	15
3	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. <i>BMJ Open</i> , 2022, 12, e047090.	1.9	2
4	Improvement of cardiac function after coronary artery bypass grafting surgery reduces the risk of postoperative acute kidney injury. <i>Clinical Cardiology</i> , 2022, 45, 173-179.	1.8	2
5	Ginsenoside Rb1 Modulates the Migration of Bone-Derived Mesenchymal Stem Cells through the SDF-1/CXCR4 Axis and PI3K/Akt Pathway. <i>Disease Markers</i> , 2022, 2022, 1-11.	1.3	1
6	Exosome-Derived From Sepsis Patients' Blood Promoted Pyroptosis of Cardiomyocytes by Regulating miR-885-5p/HMBOX1. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 774193.	2.4	12
7	Remifentanyl versus Dexmedetomidine in Cardiac Surgery Patients with Noninvasive Ventilation Intolerance: Protocol for the REDNIVI Trial. <i>Reviews in Cardiovascular Medicine</i> , 2022, 23, 084.	1.4	0
8	Usage of compromised lung volume in monitoring steroid therapy on severe COVID-19. <i>Respiratory Research</i> , 2022, 23, 105.	3.6	1
9	Preliminary Study on the Combination Effect of Clindamycin and Low Dose Trimethoprim-Sulfamethoxazole on Severe Pneumocystis Pneumonia After Renal Transplantation. <i>Frontiers in Medicine</i> , 2022, 9, .	2.6	1
10	Psychological impact and workload of COVID-19 on healthcare workers in China during the early time of the pandemic: A cross-sectional study. <i>Disaster Medicine and Public Health Preparedness</i> , 2022, , 1-21.	1.3	2
11	Recombinant human brain natriuretic peptide ameliorates venous return function in congestive heart failure. <i>ESC Heart Failure</i> , 2022, 9, 2635-2644.	3.1	4
12	The Effect of Postoperative Fluid Balance on the Occurrence and Progression of Acute Kidney Injury After Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 2700-2706.	1.3	11
13	Clinical predictors of COVID-19 disease progression and death: Analysis of 214 hospitalised patients from Wuhan, China. <i>Clinical Respiratory Journal</i> , 2021, 15, 293-309.	1.6	17
14	Effect of liver injury on prognosis and treatment of hospitalized patients with COVID-19 pneumonia. <i>Annals of Translational Medicine</i> , 2021, 9, 10-10.	1.7	4
15	Demystifying medical aerosols in acute and critical care. <i>Annals of Translational Medicine</i> , 2021, 9, 587-587.	1.7	1
16	Inhaled pulmonary vasodilators: a narrative review. <i>Annals of Translational Medicine</i> , 2021, 9, 597-597.	1.7	21
17	Erythrocyte transfusion limits the role of elevated red cell distribution width on predicting cardiac surgery associated acute kidney injury. <i>Cardiology Journal</i> , 2021, 28, 255-261.	1.2	6
18	Inhaled nitric oxide reduces the intrapulmonary shunt to ameliorate severe hypoxemia after acute type A aortic dissection surgery. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 109-110, 26-32.	2.7	3

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19	Veno-Arterial Extracorporeal Membrane Oxygenation for Patients Undergoing Acute Type A Aortic Dissection Surgery: A Six-Year Experience. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 652527.	2.4	5
20	Propensity score matching with R: conventional methods and new features. <i>Annals of Translational Medicine</i> , 2021, 9, 812-812.	1.7	93
21	Development and Validation of a Machine-Learning Model for Prediction of Extubation Failure in Intensive Care Units. <i>Frontiers in Medicine</i> , 2021, 8, 676343.	2.6	34
22	Mesenchymal Stem Cell-Derived Extracellular Vesicles: A Potential Therapeutic Strategy for Acute Kidney Injury. <i>Frontiers in Immunology</i> , 2021, 12, 684496.	4.8	11
23	Predictors of mortality for hospitalized young adults aged less than 60 years old with severe COVID-19: a retrospective study. <i>Journal of Thoracic Disease</i> , 2021, 13, 3628-3642.	1.4	6
24	Dobutamine-sparing strategy in managing patients with impaired ejection fraction undergoing coronary artery bypass grafting: less is more?. <i>Journal of Thoracic Disease</i> , 2021, 13, 3923-3926.	1.4	0
25	Association Between Syndecan-1, Fluid Overload, and Progressive Acute Kidney Injury After Adult Cardiac Surgery. <i>Frontiers in Medicine</i> , 2021, 8, 648397.	2.6	5
26	Change in left ventricular velocity time integral during Trendelenburg maneuver predicts fluid responsiveness in cardiac surgical patients in the operating room. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 3133-3145.	2.0	5
27	Influence of Spectral Peaks on EMG Parameter Estimation for Vibration-Exercise Analysis. <i>IEEE Sensors Journal</i> , 2021, 21, 14141-14147.	4.7	2
28	Tailoring glucocorticoids in patients with severe COVID-19: a narrative review. <i>Annals of Translational Medicine</i> , 2021, 9, 1261-1261.	1.7	3
29	Myeloid-Derived Suppressor Cells Alleviate Renal Fibrosis Progression via Regulation of CCL5-CCR5 Axis. <i>Frontiers in Immunology</i> , 2021, 12, 698894.	4.8	12
30	Trendelenburg maneuver predicts fluid responsiveness in patients on veno-arterial extracorporeal membrane oxygenation. <i>Annals of Intensive Care</i> , 2021, 11, 16.	4.6	10
31	Dynamics in perioperative neutrophil-to-lymphocyte*platelet ratio as a predictor of early acute kidney injury following cardiovascular surgery. <i>Renal Failure</i> , 2021, 43, 1012-1019.	2.1	11
32	Levosimendan to Facilitate Weaning From Cardiorespiratory Support in Critically Ill Patients: A Meta-Analysis. <i>Frontiers in Medicine</i> , 2021, 8, 741108.	2.6	10
33	Comprehensive Molecular and Cellular Characterization of Acute Kidney Injury Progression to Renal Fibrosis. <i>Frontiers in Immunology</i> , 2021, 12, 699192.	4.8	9
34	The transition and outcomes of perioperative low ejection fraction status in cardiac surgical patients. <i>Reviews in Cardiovascular Medicine</i> , 2021, 22, 1721.	1.4	0
35	Veno-Arterial Extracorporeal Membrane Oxygenation for Patients Undergoing Heart Transplantation: A 7-Year Experience. <i>Frontiers in Medicine</i> , 2021, 8, 774644.	2.6	2
36	Early Enteral Nutrition Tolerance in Patients With Cardiogenic Shock Requiring Mechanical Circulatory Support. <i>Frontiers in Medicine</i> , 2021, 8, 765424.	2.6	3

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37	Preoperative cardiac function parameters as valuable predictors for nurses to recognise delirium after cardiac surgery: A prospective cohort study. <i>European Journal of Cardiovascular Nursing</i> , 2020, 19, 310-319.	0.9	9
38	Efficacy of Early Goal-Directed Renal Replacement Therapy for the Treatment of Acute Kidney Injury After Heart Transplantation: A Single-Center 10-Year Experience. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 1534-1541.	1.3	4
39	Inflammatory biomarkers to predict adverse outcomes in postoperative patients with acute type A aortic dissection. <i>Scandinavian Cardiovascular Journal</i> , 2020, 54, 37-46.	1.2	21
40	Changes in Stroke Volume Variation Induced by Passive Leg Raising to Predict Fluid Responsiveness in Cardiac Surgical Patients With Protective Ventilation. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 1526-1533.	1.3	10
41	Cyclic helix B peptide alleviates sepsis-induced acute lung injury by downregulating NLRP3 inflammasome activation in alveolar macrophages. <i>International Immunopharmacology</i> , 2020, 88, 106849.	3.8	9
42	Prevalence, Predictors, and Early Outcomes of Post-operative Delirium in Patients With Type A Aortic Dissection During Intensive Care Unit Stay. <i>Frontiers in Medicine</i> , 2020, 7, 572581.	2.6	18
43	Evaluation of radial artery pulse pressure effects on detection of stroke volume changes after volume loading maneuvers in cardiac surgical patients. <i>Annals of Translational Medicine</i> , 2020, 8, 787-787.	1.7	1
44	D-dimer as a biomarker for disease severity and mortality in COVID-19 patients: a case control study. <i>Journal of Intensive Care</i> , 2020, 8, 49.	2.9	418
45	Tailoring steroids in the treatment of COVID-19 pneumonia assisted by CT scans: three case reports. <i>Journal of X-Ray Science and Technology</i> , 2020, 28, 885-892.	1.0	7
46	Remifentanyl versus dexmedetomidine for treatment of cardiac surgery patients with moderate to severe noninvasive ventilation intolerance (REDNIVIN): a prospective, cohort study. <i>Journal of Thoracic Disease</i> , 2020, 12, 5857-5868.	1.4	8
47	The role of respiratory therapists in fighting the COVID-19 crisis: unsung heroes in Wuhan. <i>Annals of Palliative Medicine</i> , 2020, 9, 4423-4426.	1.2	5
48	Neutrophil-to-Lymphocyte Ratio Predicts Mortality in Adult Renal Transplant Recipients with Severe Community-Acquired Pneumonia. <i>Pathogens</i> , 2020, 9, 913.	2.8	11
49	Effect of Sequential Noninvasive Ventilation on Early Extubation After Acute Type A Aortic Dissection. <i>Respiratory Care</i> , 2020, 65, 1160-1167.	1.6	3
50	Myocardial injury and COVID-19: Serum hs-cTnl level in risk stratification and the prediction of 30-day fatality in COVID-19 patients with no prior cardiovascular disease. <i>Theranostics</i> , 2020, 10, 9663-9673.	10.0	45
51	The effect of RAS blockers on the clinical characteristics of COVID-19 patients with hypertension. <i>Annals of Translational Medicine</i> , 2020, 8, 430-430.	1.7	68
52	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. <i>Journal of Infection</i> , 2020, 81, 647-679.	3.3	33
53	Serum N-terminal Pro-B-type Natriuretic Peptide Predicts Mortality in Cardiac Surgery Patients Receiving Renal Replacement Therapy. <i>Frontiers in Medicine</i> , 2020, 7, 153.	2.6	4
54	Volume-associated hemodynamic variables for prediction of cardiac surgery-associated acute kidney injury. <i>Clinical and Experimental Nephrology</i> , 2020, 24, 798-805.	1.6	4

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55	Hemodynamic monitoring in patients with venoarterial extracorporeal membrane oxygenation. <i>Annals of Translational Medicine</i> , 2020, 8, 792-792.	1.7	32
56	A Machine-Learning Approach for Dynamic Prediction of Sepsis-Induced Coagulopathy in Critically Ill Patients With Sepsis. <i>Frontiers in Medicine</i> , 2020, 7, 637434.	2.6	22
57	Prognostic Accuracy of Early Warning Scores for Clinical Deterioration in Patients With COVID-19. <i>Frontiers in Medicine</i> , 2020, 7, 624255.	2.6	27
58	Risk factors for COVID-19 patients with cardiac injury: pulmonary ventilation dysfunction and oxygen inhalation insufficiency are not the direct causes. <i>Aging</i> , 2020, 12, 23464-23477.	3.1	5
59	Cascaded deep transfer learning on thoracic CT in COVID-19 patients treated with steroids. <i>Journal of Medical Imaging</i> , 2020, 8, 014501.	1.5	6
60	Early risk stratification of acute type A aortic dissection: development and validation of a predictive score. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 1827-1838.	1.7	3
61	Recommendations for the medical task force against COVID-19: Zhongshan experience in Wuhan. <i>Annals of Translational Medicine</i> , 2020, 8, 1618-1618.	1.7	0
62	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. <i>Annals of Intensive Care</i> , 2020, 10, 90.	4.6	7
63	Preoperative hidden renal dysfunction add an age dependent risk of progressive chronic kidney disease after cardiac surgery. <i>Journal of Cardiothoracic Surgery</i> , 2019, 14, 151.	1.1	8
64	CXCL16/CXCR6 is involved in LPS-induced acute lung injury via P38 signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 5380-5389.	3.6	28
65	Reliability of three-dimensional color flow Doppler and two-dimensional pulse wave Doppler transthoracic echocardiography for estimating cardiac output after cardiac surgery. <i>Cardiovascular Ultrasound</i> , 2019, 17, 5.	1.6	1
66	Initial clinical impact of inhaled nitric oxide therapy for refractory hypoxemia following type A acute aortic dissection surgery. <i>Journal of Thoracic Disease</i> , 2019, 11, 495-504.	1.4	12
67	Ulinastatin ameliorates LPS-induced pulmonary inflammation and injury by blocking the MAPK/NF- $\kappa$ B signaling pathways in rats. <i>Molecular Medicine Reports</i> , 2019, 20, 3347-3354.	2.4	16
68	Evaluation of five different renal recovery definitions for estimation of long-term outcomes of cardiac surgery associated acute kidney injury. <i>BMC Nephrology</i> , 2019, 20, 427.	1.8	19
69	A big pinball-like thrombus in the heart. <i>Intensive Care Medicine</i> , 2019, 45, 1017-1018.	8.2	0
70	End-expiratory occlusion test predicts fluid responsiveness in cardiac surgical patients in the operating theatre. <i>Annals of Translational Medicine</i> , 2019, 7, 315-315.	1.7	8
71	Preemptive renal replacement therapy in post-cardiotomy cardiogenic shock patients: a historically controlled cohort study. <i>Annals of Translational Medicine</i> , 2019, 7, 534-534.	1.7	5
72	Lactate dehydrogenase as a prognostic marker of renal transplant recipients with severe community-acquired pneumonia: a 10-year retrospective study. <i>Annals of Translational Medicine</i> , 2019, 7, 660-660.	1.7	15

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73	The Immune System Regulation in Sepsis: From Innate to Adaptive. <i>Current Protein and Peptide Science</i> , 2019, 20, 799-816.	1.4	23
74	Understanding Gene Therapy in Acute Respiratory Distress Syndrome. <i>Current Gene Therapy</i> , 2019, 19, 93-99.	2.0	7
75	Potentially Modifiable Predictors for Renal Replacement Therapy in Patients with Cardiac Surgery Associated-Acute Kidney Injury: a Propensity Score-Matched Case-Control Study. <i>Brazilian Journal of Cardiovascular Surgery</i> , 2019, 34, 33-40.	0.6	3
76	The pathways and mechanisms of muramyl dipeptide transcellular transport mediated by PepT1 in enterogenous infection. <i>Annals of Translational Medicine</i> , 2019, 7, 473-473.	1.7	3
77	Role of Body Mass Index in Acute Kidney Injury Patients after Cardiac Surgery. <i>CardioRenal Medicine</i> , 2018, 8, 9-17.	1.9	18
78	Impact of cardiac catheterization timing and contrast media dose on acute kidney injury after cardiac surgery. <i>BMC Cardiovascular Disorders</i> , 2018, 18, 191.	1.7	12
79	MicroRNA-27a alleviates LPS-induced acute lung injury in mice via inhibiting inflammation and apoptosis through modulating TLR4/MyD88/NF- $\kappa$ B pathway. <i>Cell Cycle</i> , 2018, 17, 2001-2018.	2.6	169
80	A quality improvement program with nutrition therapy: restriction of lipid emulsions in cardiac surgical patients. <i>Journal of Thoracic Disease</i> , 2018, 10, 920-929.	1.4	2
81	Internal jugular vein variability predicts fluid responsiveness in cardiac surgical patients with mechanical ventilation. <i>Annals of Intensive Care</i> , 2018, 8, 6.	4.6	28
82	Role of elevated red cell distribution width on acute kidney injury patients after cardiac surgery. <i>BMC Cardiovascular Disorders</i> , 2018, 18, 166.	1.7	14
83	Urinary TIMP-2 and IGFBP7 for the prediction of acute kidney injury following cardiac surgery. <i>BMC Nephrology</i> , 2017, 18, 177.	1.8	44
84	Reversible preoperative renal dysfunction does not add to the risk of postoperative acute kidney injury after cardiac valve surgery. <i>Therapeutics and Clinical Risk Management</i> , 2017, Volume 13, 1499-1505.	2.0	4
85	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. <i>BMC Nephrology</i> , 2017, 18, 264.	1.8	40
86	Glucocorticoid attenuates acute lung injury through induction of type 2 macrophage. <i>Journal of Translational Medicine</i> , 2017, 15, 181.	4.4	94
87	Impact of Presurgical Mild Acute Respiratory Distress Syndrome on Surgical Mortality After Surgical Repair of Acute Type A Aortic Dissection. <i>International Heart Journal</i> , 2017, 58, 739-745.	1.0	17
88	Early Kinetics of Procalcitonin in Predicting Surgical Outcomes in Type A Aortic Dissection Patients. <i>Chinese Medical Journal</i> , 2017, 130, 1175-1181.	2.3	14
89	Acute transverse myelitis of the cervical spine secondary to psoas abscess. <i>BMC Infectious Diseases</i> , 2016, 16, 579.	2.9	5
90	A comparison of preemptive versus standard renal replacement therapy for acute kidney injury after cardiac surgery. <i>Journal of Surgical Research</i> , 2016, 204, 205-212.	1.6	17

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91	Dynamic Predictive Scores for Cardiac Surgeryâ€“Associated Acute Kidney Injury. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	63
92	Acute quadriplegia caused by necrotizing myopathy in a renal transplant recipient with severe pneumonia: acute onset and complete recovery. <i>European Journal of Medical Research</i> , 2015, 20, 11.	2.2	2
93	Early- and late-onset severe pneumonia after renal transplantation. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 1324-32.	1.3	10
94	Moderate-dose glucocorticoids as salvage therapy for severe pneumonia in renal transplant recipients: a single-center feasibility study. <i>Renal Failure</i> , 2014, 36, 202-209.	2.1	11
95	An interdisciplinary approach for renal transplant recipients with severe pneumonia: a single ICU experience. <i>Intensive Care Medicine</i> , 2014, 40, 914-915.	8.2	23
96	Combination of caspofungin and lowâ€“dose trimethoprim/sulfamethoxazole for the treatment of severe <sc>P</sc>neumocystis jirovecii pneumonia in renal transplant recipients. <i>Nephrology</i> , 2013, 18, 736-742.	1.6	38
97	Steroids Therapy in Patients With Severe COVID-19: Association With Decreasing of Pneumonia Fibrotic Tissue Volume. <i>Frontiers in Medicine</i> , 0, 9, .	2.6	0