

Da-wei Liu

List of Publications by Year in descending order

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113
papers

1,465
citations

394390

19
h-index

454934

30
g-index

150
all docs

150
docs citations

150
times ranked

1938
citing authors

#	ARTICLE	IF	CITATIONS
1	Lung ultrasound can be used to predict the potential of prone positioning and assess prognosis in patients with acute respiratory distress syndrome. <i>Critical Care</i> , 2016, 20, 385.	5.8	79
2	Melatonin Balance the Autophagy and Apoptosis by Regulating UCP2 in the LPS-Induced Cardiomyopathy. <i>Molecules</i> , 2018, 23, 675.	3.8	65
3	Clinical classification of tissue perfusion based on the central venous oxygen saturation and the peripheral perfusion index. <i>Critical Care</i> , 2015, 19, 330.	5.8	55
4	Role of sTREM-1 in predicting mortality of infection: a systematic review and meta-analysis. <i>BMJ Open</i> , 2016, 6, e010314.	1.9	50
5	High central venous-to-arterial CO ₂ difference/arterial-central venous O ₂ difference ratio is associated with poor lactate clearance in septic patients after resuscitation. <i>Journal of Critical Care</i> , 2016, 31, 76-81.	2.2	50
6	Dexamethasone Suppressed LPS-Induced Matrix Metalloproteinase and Its Effect on Endothelial Glycocalyx Shedding. <i>Mediators of Inflammation</i> , 2015, 2015, 1-8.	3.0	49
7	Association between elevated central venous pressure and outcomes in critically ill patients. <i>Annals of Intensive Care</i> , 2017, 7, 83.	4.6	49
8	Renal failure in critically ill patients, beware of applying (central venous) pressure on the kidney. <i>Annals of Intensive Care</i> , 2018, 8, 91.	4.6	48
9	The potential mechanism of mitochondrial dysfunction in septic cardiomyopathy. <i>Journal of International Medical Research</i> , 2018, 46, 2157-2169.	1.0	41
10	Role of vimentin in modulating immune cell apoptosis and inflammatory responses in sepsis. <i>Scientific Reports</i> , 2019, 9, 5747.	3.3	40
11	Use of stepwise lactate kinetics-oriented hemodynamic therapy could improve the clinical outcomes of patients with sepsis-associated hyperlactatemia. <i>Critical Care</i> , 2017, 21, 33.	5.8	39
12	Elevated Mean Airway Pressure and Central Venous Pressure in the First Day of Mechanical Ventilation Indicated Poor Outcome. <i>Critical Care Medicine</i> , 2017, 45, e485-e492.	0.9	28
13	Colloids and the Microcirculation. <i>Anesthesia and Analgesia</i> , 2018, 126, 1747-1754.	2.2	27
14	Integrated Cardiopulmonary Sonography. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 1231-1239.	1.7	25
15	Prognostic value of extravascular lung water and its potential role in guiding fluid therapy in septic shock after initial resuscitation. <i>Journal of Critical Care</i> , 2016, 33, 106-113.	2.2	25
16	Positive End-expiratory Pressure Titration after Alveolar Recruitment Directed by Electrical Impedance Tomography. <i>Chinese Medical Journal</i> , 2015, 128, 1421-1427.	2.3	22
17	Using Critical Care Chest Ultrasonic Examination in Emergency Consultation: A Pilot Study. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 401-406.	1.5	22
18	Inhibition of the mTOR Pathway Exerts Cardioprotective Effects Partly through Autophagy in CLP Rats. <i>Mediators of Inflammation</i> , 2018, 2018, 1-9.	3.0	22

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19	Comparison of procalcitonin and high-sensitivity C-reactive protein for the diagnosis of sepsis and septic shock in the oldest old patients. <i>BMC Geriatrics</i> , 2017, 17, 173.	2.7	21
20	Efficacy and Safety of Esmolol in Treatment of Patients with Septic Shock. <i>Chinese Medical Journal</i> , 2016, 129, 1658-1665.	2.3	20
21	The Current Epidemiological Landscape of Ventilator-associated Pneumonia in the Intensive Care Unit: A Multicenter Prospective Observational Study in China. <i>Clinical Infectious Diseases</i> , 2018, 67, S153-S161.	5.8	20
22	TREM-1 promoted apoptosis and inhibited autophagy in LPS-treated HK-2 cells through the NF- κ B pathway. <i>International Journal of Medical Sciences</i> , 2021, 18, 8-17.	2.5	20
23	Respiratory variations of inferior vena cava fail to predict fluid responsiveness in mechanically ventilated patients with isolated left ventricular dysfunction. <i>Annals of Intensive Care</i> , 2019, 9, 113.	4.6	20
24	The Effect of Mechanical Ventilation on Peripheral Perfusion Index and Its Association With the Prognosis of Critically Ill Patients. <i>Critical Care Medicine</i> , 2019, 47, 685-690.	0.9	19
25	The Use of the Ratio between the Venous-arterial Carbon Dioxide Difference and the Arterial-venous Oxygen Difference to Guide Resuscitation in Cardiac Surgery Patients with Hyperlactatemia and Normal Central Venous Oxygen Saturation. <i>Chinese Medical Journal</i> , 2015, 128, 1306-1313.	2.3	18
26	Urine sTREM-1 may be a valuable biomarker in diagnosis and prognosis of sepsis-associated acute kidney injury. <i>Critical Care</i> , 2015, 19, 281.	5.8	17
27	The effects of UCP2 on autophagy through the AMPK signaling pathway in septic cardiomyopathy and the underlying mechanism. <i>Annals of Translational Medicine</i> , 2021, 9, 259-259.	1.7	16
28	Microcirculation dysfunction in endotoxic shock rabbits is associated with impaired S-nitrosohemoglobin-mediated nitric oxide release from red blood cells: a preliminary study. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 1.	1.9	15
29	Five novel clinical phenotypes for critically ill patients with mechanical ventilation in intensive care units: a retrospective and multi database study. <i>Respiratory Research</i> , 2020, 21, 325.	3.6	15
30	The correlation between CVP-derived parameters and the prognosis of critically ill patients. <i>Journal of Critical Care</i> , 2017, 40, 257-264.	2.2	14
31	Effects of a national quality improvement program on ICUs in China: a controlled pre-post cohort study in 586 hospitals. <i>Critical Care</i> , 2020, 24, 73.	5.8	14
32	P(v-a)CO ₂ /C(a-v)O ₂ -directed resuscitation does not improve prognosis compared with SvO ₂ in severe sepsis and septic shock: A prospective multicenter randomized controlled clinical study. <i>Journal of Critical Care</i> , 2018, 48, 314-320.	2.2	13
33	Serum NLRP3: A biomarker for identifying high-risk septic patients. <i>Cytokine</i> , 2022, 149, 155725.	3.2	13
34	mTOR Modulates Lymphocyte Differentiation through T-bet and Eomesodermin in Response to Invasive Pulmonary Aspergillosis in Rats. <i>Chinese Medical Journal</i> , 2016, 129, 1704-1710.	2.3	12
35	Role of Combining Peripheral with Sublingual Perfusion on Evaluating Microcirculation and Predicting Prognosis in Patients with Septic Shock. <i>Chinese Medical Journal</i> , 2018, 131, 1158-1166.	2.3	12
36	Nurse-performed ultrasound: a new weapon against COVID-19. <i>Critical Care</i> , 2020, 24, 430.	5.8	12

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37	Prognostic implications of tricuspid annular plane systolic excursion/pulmonary arterial systolic pressure ratio in septic shock patients. <i>Cardiovascular Ultrasound</i> , 2020, 18, 20.	1.6	12
38	Plasma mitochondrial DNA levels are associated with acute lung injury and mortality in septic patients. <i>BMC Pulmonary Medicine</i> , 2021, 21, 66.	2.0	12
39	Passive Leg Raising in Intensive Care Medicine. <i>Chinese Medical Journal</i> , 2016, 129, 1755-1758.	2.3	11
40	Changes in perfusion can detect changes in the cardiac index in patients with septic shock. <i>Journal of International Medical Research</i> , 2020, 48, 030006052093167.	1.0	11
41	Prevalence and prognostic value of various types of right ventricular dysfunction in mechanically ventilated septic patients. <i>Annals of Intensive Care</i> , 2021, 11, 108.	4.6	11
42	Use of Lung Ultrasound to Assess the Efficacy of an Alveolar Recruitment Maneuver in Rabbits With Acute Respiratory Distress Syndrome. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 2209-2215.	1.7	10
43	Central venous-to-arterial CO ₂ difference/arterial-central venous O ₂ difference ratio: An experimental model or a bedside clinical tool?. <i>Journal of Critical Care</i> , 2016, 35, 219-220.	2.2	10
44	Role of Triggering Receptor Expressed on Myeloid Cell-1 Expression in Mammalian Target of Rapamycin Modulation of CD8+ T-cell Differentiation during the Immune Response to Invasive Pulmonary Aspergillosis. <i>Chinese Medical Journal</i> , 2017, 130, 1211-1217.	2.3	10
45	Central Venous Pressure (CVP) Reduction Associated With Higher Cardiac Output (CO) Favors Good Prognosis of Circulatory Shock: A Single-Center, Retrospective Cohort Study. <i>Frontiers in Medicine</i> , 2019, 6, 216.	2.6	10
46	Microcirculation-guided protection strategy in hemodynamic therapy. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 75, 243-253.	1.7	10
47	Cross-sectional study for the clinical application of extracorporeal membrane oxygenation in Mainland China, 2018. <i>Critical Care</i> , 2020, 24, 554.	5.8	10
48	Association between hospital and ICU structural factors and patient outcomes in China: a secondary analysis of the National Clinical Improvement System Data in 2019. <i>Critical Care</i> , 2022, 26, 24.	5.8	10
49	Permissive hypoxemia/conservative oxygenation strategy: Dr. Jekyll or Mr. Hyde?. <i>Journal of Thoracic Disease</i> , 2016, 8, 748-750.	1.4	9
50	Understanding elevated Pv-aCO ₂ gap and Pv-aCO ₂ /Ca-vO ₂ ratio in venous hyperoxia condition. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 1321-1323.	1.6	9
51	Monitoring Changes in Hepatic Venous Velocities Flow after a Fluid Challenge Can Identify Shock Patients Who Lack Fluid Responsiveness. <i>Chinese Medical Journal</i> , 2017, 130, 1202-1210.	2.3	9
52	Myocardial strain/stress changes identified by echocardiography may reveal early sepsis-induced myocardial dysfunction. <i>Journal of International Medical Research</i> , 2018, 46, 1439-1454.	1.0	9
53	Vimentin modulates apoptosis and inflammatory cytokine release by a human monocytic cell line (THP-1) in response to lipopolysaccharides in vitro. <i>Chinese Medical Journal</i> , 2019, 132, 1336-1343.	2.3	9
54	Left Ventricular Longitudinal Systolic Function in Septic Shock Patients with Normal Ejection Fraction. <i>Chinese Medical Journal</i> , 2017, 130, 1169-1174.	2.3	8

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55	IL-12 Influence mTOR to Modulate CD8 ⁺ T Cells Differentiation through T-bet and Eomesodermin in Response to Invasive Pulmonary Aspergillosis. <i>International Journal of Medical Sciences</i> , 2017, 14, 977-983.	2.5	8
56	Effect of pneumoperitoneum and steep reverse-Trendelenburg position on mean systemic filling pressure, venous return, and microcirculation during esophagectomy. <i>Journal of Thoracic Disease</i> , 2018, 10, 3399-3408.	1.4	8
57	Placement of a Jejunal Feeding Tube via an Ultrasound-Guided Antral Progressive Water Injection Method. <i>Chinese Medical Journal</i> , 2018, 131, 1680-1685.	2.3	8
58	Personalized Critical Hemodynamic Therapy Concept for Shock Resuscitation. <i>Chinese Medical Journal</i> , 2018, 131, 1240-1243.	2.3	8
59	Total pancreatic necrosis after organophosphate intoxication. <i>Frontiers of Medicine</i> , 2019, 13, 285-288.	3.4	8
60	Effects of high PEEP and fluid administration on systemic circulation, pulmonary microcirculation, and alveoli in a canine model. <i>Journal of Applied Physiology</i> , 2019, 127, 40-46.	2.5	8
61	Pulmonary hypertension with adult respiratory distress syndrome: prevalence, clinical impact, and association with central venous pressure. <i>Pulmonary Circulation</i> , 2020, 10, 1-8.	1.7	8
62	Compliance with the Surviving Sepsis Campaign guideline 1-hour bundle for septic shock in China in 2018. <i>Annals of Translational Medicine</i> , 2021, 9, 278-278.	1.7	8
63	Retrospective Study of Critically Ill COVID-19 Patients With and Without Extracorporeal Membrane Oxygenation Support in Wuhan, China. <i>Frontiers in Medicine</i> , 2021, 8, 659793.	2.6	8
64	Impact of initial empirical antifungal agents on the outcome of critically ill patients with invasive candidiasis: analysis of the China-SCAN study. <i>International Journal of Antimicrobial Agents</i> , 2017, 50, 74-80.	2.5	7
65	The Pannexin-1 Channel Inhibitor Probenecid Attenuates Skeletal Muscle Cellular Energy Crisis and Histopathological Injury in a Rabbit Endotoxemia Model. <i>Inflammation</i> , 2018, 41, 2030-2040.	3.8	7
66	Outcomes of VA-ECMO with and without Left Centricular (LV) Decompression Using Intra-Aortic Balloon Pumping (IABP) versus Other LV Decompression Techniques: A Systematic Review and Meta-Analysis. <i>Medical Science Monitor</i> , 2020, 26, e924009.	1.1	7
67	Bloodstream Infection with Carbapenem-resistant <i>Klebsiella Pneumoniae</i> and Multidrug-resistant <i>Acinetobacter Baumanni</i> : a Case Report. <i>Chinese Medical Sciences Journal</i> , 2014, 29, 51-54.	0.4	6
68	The effect of variable arterial transducer level on the accuracy of pulse contour waveform-derived measurements in critically ill patients. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 569-575.	1.6	6
69	The pseudo-normalization of the ratio index of the venous-to-arterial CO ₂ tension difference to the arterial-central venous O ₂ difference in hypoxemia combined with a high oxygen consumption condition. <i>Journal of Critical Care</i> , 2017, 40, 305-306.	2.2	6
70	Clarifications on Continuous Renal Replacement Therapy and Hemodynamics. <i>Chinese Medical Journal</i> , 2017, 130, 1244-1248.	2.3	6
71	Tricuspid annular plane systolic excursion and central venous pressure in mechanically ventilated critically ill patients. <i>Cardiovascular Ultrasound</i> , 2018, 16, 11.	1.6	6
72	Infection management strategy based on prevention and control of nosocomial infections in intensive care units. <i>Chinese Medical Journal</i> , 2019, 132, 115-119.	2.3	6

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73	From critical care nephrology to critical care blood purification. <i>Journal of Translational Internal Medicine</i> , 2021, 9, 4-7.	2.5	6
74	Initial therapeutic strategy of invasive candidiasis for intensive care unit patients: a retrospective analysis from the China-SCAN study. <i>BMC Infectious Diseases</i> , 2017, 17, 93.	2.9	5
75	Physicians' Ability to Visually Estimate Left Ventricular Ejection Fraction, Right Ventricular Enlargement, and Paradoxical Septal Motion After a 2-Day Focused Cardiac Ultrasound Training Course. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 1912-1918.	1.3	5
76	Vimentin regulation of autophagy activation in lung fibroblasts in response to lipopolysaccharide exposure in vitro. <i>Annals of Translational Medicine</i> , 2021, 9, 304-304.	1.7	5
77	Analysis of factors influencing 3-and 6-h compliance with the surviving sepsis campaign guidelines based on medical-quality intensive care unit data from China. <i>Chinese Medical Journal</i> , 2021, 134, 1747-1749.	2.3	5
78	Relationship between inferior vena cava diameter ratio and central venous pressure. <i>Journal of Clinical Ultrasound</i> , 2018, 46, 450-454.	0.8	4
79	Accelerated Autophagy of Cecal Ligation and Puncture-Induced Myocardial Dysfunction and Its Correlation with Mammalian Target of Rapamycin Pathway in Rats. <i>Chinese Medical Journal</i> , 2018, 131, 1185-1190.	2.3	4
80	Resuscitation incoherence and dynamic circulation-perfusion coupling in circulatory shock. <i>Chinese Medical Journal</i> , 2019, 132, 1218-1227.	2.3	4
81	Invasive Fungal Disease in Critically Ill Patients at High Risk: Usefulness of Lymphocyte Subtyping. <i>Journal of Intensive Care Medicine</i> , 2020, 35, 909-918.	2.8	4
82	Effects of Quality Control Targets (SpO ₂ ≥100%, PaCO ₂ <40 mmHg, Pmean/>10 cmH ₂ O) on Outcomes in Patients in the ICU. <i>Frontiers in Medicine</i> , 2020, 7, 111.	2.6	4
83	Mind the influence of arterial oxygen tension on central venous oxygen saturation. <i>Critical Care</i> , 2014, 18, 569.	5.8	3
84	Fluid bolus therapy is a medical therapy or a diagnostic method?. <i>Critical Care</i> , 2015, 19, 360.	5.8	3
85	mTOR modulates CD8+ T cell differentiation in mice with invasive pulmonary aspergillosis. <i>Open Life Sciences</i> , 2018, 13, 129-136.	1.4	3
86	Analysis of structure indicators influencing 3-h and 6-h compliance with the surviving sepsis campaign guidelines in China: a systematic review. <i>European Journal of Medical Research</i> , 2021, 26, 27.	2.2	3
87	Effect of norepinephrine challenge on cardiovascular determinants assessed using a mathematical model in septic shock: a physiological study. <i>Annals of Translational Medicine</i> , 2021, 9, 561-561.	1.7	3
88	Shock in China 2018 (SIC-study): a cross-sectional survey. <i>Annals of Translational Medicine</i> , 2021, 9, 1219-1219.	1.7	3
89	Acute respiratory distress syndrome: focusing on secondary injury. <i>Chinese Medical Journal</i> , 2021, 134, 2017-2024.	2.3	3
90	Hemodynamic Influences on Mesenteric Blood Flow in Shock Conditions. <i>American Journal of the Medical Sciences</i> , 2021, 362, 243-251.	1.1	3

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91	Serum Mitochondrial Quality Control Related Biomarker Levels are Associated with Organ Dysfunction in Septic Patients. <i>Shock</i> , 2021, 56, 412-418.	2.1	3
92	The relationship between arterial transducer level and pulse contour waveform-derived measurements. <i>Critical Care</i> , 2015, 19, 31.	5.8	2
93	The pitfall of pulse pressure variation in the cardiac dysfunction condition. <i>Critical Care</i> , 2015, 19, 242.	5.8	2
94	Delirium in Intensive Care Unit Patients. <i>Chinese Medical Journal</i> , 2017, 130, 2498-2502.	2.3	2
95	Lactate and stepwise lactate kinetics can be used to guide resuscitation. <i>Critical Care</i> , 2017, 21, 267.	5.8	2
96	Ten Things to be Considered in Practicing Critical Care Echocardiography. <i>Chinese Medical Journal</i> , 2018, 131, 1738-1743.	2.3	2
97	Fluctuations of driving pressure during mechanical ventilation indicates elevated central venous pressure and poor outcomes. <i>Pulmonary Circulation</i> , 2020, 10, 1-8.	1.7	2
98	Physicians's abilities to obtain and interpret focused cardiac ultrasound images from critically ill patients after a 2-day training course. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 151.	1.7	2
99	Prognostic Value of Tricuspid Annular Plane Systolic Excursion and Right Ventricular Outflow Tract Fractional Shortening in Mechanically Ventilated Septic Patients. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 1670-1677.	1.3	2
100	Association Between Different DVT Prevention Methods and Outcomes of Septic Shock Caused by Intestinal Perforation in China: A Cross-Sectional Study. <i>Frontiers in Medicine</i> , 2022, 9, 878075.	2.6	2
101	Respiratory and Cardiac Characteristics of ICU Patients Aged 90 Years and Older: A Report of 12 Cases. <i>Chinese Medical Sciences Journal</i> , 2016, 31, 37-42.	0.4	1
102	Stepwise lactate kinetics in critically ill patients: prognostic, influencing factors, and clinical phenotype. <i>BMC Anesthesiology</i> , 2021, 21, 86.	1.8	1
103	Prognostic Significance of the Fission1/Parkin Ratio for Sepsis: A Prospective Cohort Study. <i>Frontiers in Medicine</i> , 2021, 8, 642749.	2.6	1
104	Negative central venous to arterial lactate gradient in patients receiving vasopressors is associated with higher ICU 30-day mortality: a retrospective cohort study. <i>BMC Anesthesiology</i> , 2021, 21, 25.	1.8	1
105	Resistance Index of the Superior Mesenteric Artery: Correlation With Lactate Concentration and Kinetics Prediction After Cardiac Surgery. <i>Frontiers in Medicine</i> , 2021, 8, 762376.	2.6	1
106	PPV May Be a Starting Point to Achieve Circulatory Protective Mechanical Ventilation. <i>Frontiers in Medicine</i> , 2021, 8, 745164.	2.6	1
107	Altered CD8(+) T-cell counts as an early predictor of prognosis in critically ill immunocompromised patients with invasive pulmonary aspergillosis. <i>Chinese Medical Journal</i> , 2014, 127, 36-42.	2.3	1
108	Response to: Understanding the null hypothesis (H0) in non-inferiority trials. <i>Critical Care</i> , 2017, 21, 201.	5.8	0

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109	Relationship of relevant factors to P(v-a)CO ₂ /C(a-v)O ₂ ratio in critically ill patients. Journal of International Medical Research, 2020, 48, 030006051985463.	1.0	0
110	Effect of focused cardiac ultrasound in combination with lung ultrasound on critically ill patients: a multicenter observational study in China. Chinese Medical Sciences Journal, 2019, 36, 1.	0.4	0
111	Hemodynamic therapy: timing and targeting. Chinese Medical Journal, 2013, 126, 1974-7.	2.3	0
112	Hemodynamic characteristics and early warnings in very old patients.. American Journal of Translational Research (discontinued), 2021, 13, 13310-13320.	0.0	0
113	Assessing a novel critical care ultrasonography training program for intensive care unit nurses in China. Chinese Medical Journal, 2022, Publish Ahead of Print, .	2.3	0