List of Publications by Year in descending order

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#	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. Critical Care, 2016, 20, 385.	5.8	79
2	Melatonin Balance the Autophagy and Apoptosis by Regulating UCP2 in the LPS-Induced Cardiomyopathy. Molecules, 2018, 23, 675.	3.8	65
3	Clinical classification of tissue perfusion based on the central venous oxygen saturation and the peripheral perfusion index. Critical Care, 2015, 19, 330.	5.8	55
4	Role of sTREM-1 in predicting mortality of infection: a systematic review and meta-analysis. BMJ Open, 2016, 6, e010314.	1.9	50
5	High central venous-to-arterial CO2 difference/arterial-central venous O2 difference ratio is associated with poor lactate clearance in septic patients after resuscitation. Journal of Critical Care, 2016, 31, 76-81.	2.2	50
6	Dexamethasone Suppressed LPS-Induced Matrix Metalloproteinase and Its Effect on Endothelial Glycocalyx Shedding. Mediators of Inflammation, 2015, 2015, 1-8.	3.0	49
7	Association between elevated central venous pressure and outcomes in critically ill patients. Annals of Intensive Care, 2017, 7, 83.	4.6	49
8	Renal failure in critically ill patients, beware of applying (central venous) pressure on the kidney. Annals of Intensive Care, 2018, 8, 91.	4.6	48
9	The potential mechanism of mitochondrial dysfunction in septic cardiomyopathy. Journal of International Medical Research, 2018, 46, 2157-2169.	1.0	41
10	Role of vimentin in modulating immune cell apoptosis and inflammatory responses in sepsis. Scientific Reports, 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. Critical Care, 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. Critical Care Medicine, 2017, 45, e485-e492.	0.9	28
13	Colloids and the Microcirculation. Anesthesia and Analgesia, 2018, 126, 1747-1754.	2.2	27
14	Integrated Cardiopulmonary Sonography. Journal of Ultrasound in Medicine, 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. Journal of Critical Care, 2016, 33, 106-113.	2.2	25
16	Positive End-expiratory Pressure Titration after Alveolar Recruitment Directed by Electrical Impedance Tomography. Chinese Medical Journal, 2015, 128, 1421-1427.	2.3	22
17	Using Critical Care Chest Ultrasonic Examination in Emergency Consultation: A Pilot Study. Ultrasound in Medicine and Biology, 2015, 41, 401-406.	1.5	22
18	Inhibition of the mTOR Pathway Exerts Cardioprotective Effects Partly through Autophagy in CLP Rats. Mediators of Inflammation, 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. BMC Geriatrics, 2017, 17, 173.	2.7	21
20	Efficacy and Safety of Esmolol in Treatment of Patients with Septic Shock. Chinese Medical Journal, 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. Clinical Infectious Diseases, 2018, 67, S153-S161.	5.8	20
22	TREM-1 promoted apoptosis and inhibited autophagy in LPS-treated HK-2 cells through the NF-κB pathway. International Journal of Medical Sciences, 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. Annals of Intensive Care, 2019, 9, 113.	4.6	20
24	The Effect of Mechanical Ventilation on Peripheral Perfusion Index and Its Association With the Prognosis of Critically III Patients. Critical Care Medicine, 2019, 47, 685-690.	0.9	19
25	The Use of the Ratio between the Veno-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. Chinese Medical Journal, 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. Critical Care, 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. Annals of Translational Medicine, 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. Intensive Care Medicine Experimental, 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. Respiratory Research, 2020, 21, 325.	3.6	15
30	The correlation between CVP-derived parameters and the prognosis of critically ill patients. Journal of Critical Care, 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. Critical Care, 2020, 24, 73.	5.8	14
32	P(v-a)CO2/C(a-v)O2-directed resuscitation does not improve prognosis compared with SvO2 in severe sepsis and septic shock: A prospective multicenter randomized controlled clinical study. Journal of Critical Care, 2018, 48, 314-320.	2.2	13
33	Serum NLRP3: A biomarker for identifying high-risk septic patients. Cytokine, 2022, 149, 155725.	3.2	13
34	mTOR Modulates Lymphocyte Differentiation through T-bet and Eomesodermin in Response to Invasive Pulmonary Aspergillosis in Rats. Chinese Medical Journal, 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. Chinese Medical Journal, 2018, 131, 1158-1166.	2.3	12
36	Nurse-performed ultrasound: a new weapon against COVID-19. Critical Care, 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. Cardiovascular Ultrasound, 2020, 18, 20.	1.6	12
38	Plasma mitochondrial DNA levels are associated with acute lung injury and mortality in septic patients. BMC Pulmonary Medicine, 2021, 21, 66.	2.0	12
39	Passive Leg Raising in Intensive Care Medicine. Chinese Medical Journal, 2016, 129, 1755-1758.	2.3	11
40	Changes in perfusion can detect changes in the cardiac index in patients with septic shock. Journal of International Medical Research, 2020, 48, 030006052093167.	1.0	11
41	Prevalence and prognostic value of various types of right ventricular dysfunction in mechanically ventilated septic patients. Annals of Intensive Care, 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. Journal of Ultrasound in Medicine, 2015, 34, 2209-2215.	1.7	10
43	Central venous-to-arterial CO2 difference/arterial-central venous O2 difference ratio: An experimental model or a bedside clinical tool?. Journal of Critical Care, 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. Chinese Medical Journal, 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. Frontiers in Medicine, 2019, 6, 216.	2.6	10
46	Microcirculation-guided protection strategy in hemodynamic therapy. Clinical Hemorheology and Microcirculation, 2020, 75, 243-253.	1.7	10
47	Cross-sectional study for the clinical application of extracorporeal membrane oxygenation in Mainland China, 2018. Critical Care, 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. Critical Care, 2022, 26, 24.	5.8	10
49	Permissive hypoxemia/conservative oxygenation strategy: Dr. Jekyll or Mr. Hyde?. Journal of Thoracic Disease, 2016, 8, 748-750.	1.4	9
50	Understanding elevated Pv-aCO2 gap and Pv-aCO2/Ca-vO2 ratio in venous hyperoxia condition. Journal of Clinical Monitoring and Computing, 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. Chinese Medical Journal, 2017, 130, 1202-1210.	2.3	9
52	Myocardial strain/stress changes identified by echocardiography may reveal early sepsis-induced myocardial dysfunction. Journal of International Medical Research, 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. Chinese Medical Journal, 2019, 132, 1336-1343.	2.3	9
54	Left Ventricular Longitudinal Systolic Function in Septic Shock Patients with Normal Ejection Fraction. Chinese Medical Journal, 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. International Journal of Medical Sciences, 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. Journal of Thoracic Disease, 2018, 10, 3399-3408.	1.4	8
57	Placement of a Jejunal Feeding Tube via an Ultrasound-Guided Antral Progressive Water Injection Method. Chinese Medical Journal, 2018, 131, 1680-1685.	2.3	8
58	Personalized Critical Hemodynamic Therapy Concept for Shock Resuscitation. Chinese Medical Journal, 2018, 131, 1240-1243.	2.3	8
59	Total pancreatic necrosis after organophosphate intoxication. Frontiers of Medicine, 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. Journal of Applied Physiology, 2019, 127, 40-46.	2.5	8
61	Pulmonary hypertension with adult respiratory distress syndrome: prevalence, clinical impact, and association with central venous pressure. Pulmonary Circulation, 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. Annals of Translational Medicine, 2021, 9, 278-278.	1.7	8
63	Retrospective Study of Critically III COVID-19 Patients With and Without Extracorporeal Membrane Oxygenation Support in Wuhan, China. Frontiers in Medicine, 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. International Journal of Antimicrobial Agents, 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. Inflammation, 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. Medical Science Monitor, 2020, 26, e924009.	1.1	7
67	Bloodstream Infection with Carbapenem-resistant Klebsiella Pneumoniae and Multidrug-resistant Acinetobacter Baumannii: a Case Report. Chinese Medical Sciences Journal, 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. Journal of Clinical Monitoring and Computing, 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. Journal of Critical Care, 2017, 40, 305-306.	2.2	6
70	Clarifications on Continuous Renal Replacement Therapy and Hemodynamics. Chinese Medical Journal, 2017, 130, 1244-1248.	2.3	6
71	Tricuspid annular plane systolic excursion and central venous pressure in mechanically ventilated critically ill patients. Cardiovascular Ultrasound, 2018, 16, 11.	1.6	6
72	Infection management strategy based on prevention and control of nosocomial infections in intensive care units. Chinese Medical Journal, 2019, 132, 115-119.	2.3	6

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73	From critical care nephrology to critical care blood purification. Journal of Translational Internal Medicine, 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. BMC Infectious Diseases, 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. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 1912-1918.	1.3	5
76	Vimentin regulation of autophagy activation in lung fibroblasts in response to lipopolysaccharide exposure in vitro. Annals of Translational Medicine, 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. Chinese Medical Journal, 2021, 134, 1747-1749.	2.3	5
78	Relationship between inferior vena cava diameter ratio and central venous pressure. Journal of Clinical Ultrasound, 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. Chinese Medical Journal, 2018, 131, 1185-1190.	2.3	4
80	Resuscitation incoherence and dynamic circulation-perfusion coupling in circulatory shock. Chinese Medical Journal, 2019, 132, 1218-1227.	2.3	4
81	Invasive Fungal Disease in Critically III Patients at High Risk: Usefulness of Lymphocyte Subtyping. Journal of Intensive Care Medicine, 2020, 35, 909-918.	2.8	4
82	Effects of Quality Control Targets (SpO2â‰100%, PaCO2/<40 mmHg, Pmean/>10 cmH2O) on Outcomes in Patients in the ICU. Frontiers in Medicine, 2020, 7, 111.	2.6	4
83	Mind the influence of arterial oxygen tension on central venous oxygen saturation. Critical Care, 2014, 18, 569.	5.8	3
84	Fluid bolus therapy is a medical therapy or a diagnostic method?. Critical Care, 2015, 19, 360.	5.8	3
85	mTOR modulates CD8+ T cell differentiation in mice with invasive pulmonary aspergillosis. Open Life Sciences, 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. European Journal of Medical Research, 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. Annals of Translational Medicine, 2021, 9, 561-561.	1.7	3
88	Shock in China 2018 (SIC-study): a cross-sectional survey. Annals of Translational Medicine, 2021, 9, 1219-1219.	1.7	3
89	Acute respiratory distress syndrome: focusing on secondary injury. Chinese Medical Journal, 2021, 134, 2017-2024.	2.3	3
90	Hemodynamic Influences on Mesenteric Blood Flow in Shock Conditions. American Journal of the Medical Sciences, 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. Shock, 2021, 56, 412-418.	2.1	3
92	The relationship between arterial transducer level and pulse contour waveform-derived measurements. Critical Care, 2015, 19, 31.	5.8	2
93	The pitfall of pulse pressure variation in the cardiac dysfunction condition. Critical Care, 2015, 19, 242.	5.8	2
94	Delirium in Intensive Care Unit Patients. Chinese Medical Journal, 2017, 130, 2498-2502.	2.3	2
95	Lactate and stepwise lactate kinetics can be used to guide resuscitation. Critical Care, 2017, 21, 267.	5.8	2
96	Ten Things to be Considered in Practicing Critical Care Echocardiography. Chinese Medical Journal, 2018, 131, 1738-1743.	2.3	2
97	Fluctuations of driving pressure during mechanical ventilation indicates elevated central venous pressure and poor outcomes. Pulmonary Circulation, 2020, 10, 1-8.	1.7	2
98	Physicians' abilities to obtain and interpret focused cardiac ultrasound images from critically ill patients after a 2-day training course. BMC Cardiovascular Disorders, 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. Journal of Cardiothoracic and Vascular Anesthesia, 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. Frontiers in Medicine, 2022, 9, 878075.	2.6	2
101	Respiratory and Cardiac Characteristics of ICU Patients Aged 90 Years and Older: A Report of 12 Cases. Chinese Medical Sciences Journal, 2016, 31, 37-42.	0.4	1
102	Stepwise lactate kinetics in critically ill patients: prognostic, influencing factors, and clinical phenotype. BMC Anesthesiology, 2021, 21, 86.	1.8	1
103	Prognostic Significance of the Fission1/Parkin Ratio for Sepsis: A Prospective Cohort Study. Frontiers in Medicine, 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. BMC Anesthesiology, 2021, 21, 25.	1.8	1
105	Resistance Index of the Superior Mesenteric Artery: Correlation With Lactate Concentration and Kinetics Prediction After Cardiac Surgery. Frontiers in Medicine, 2021, 8, 762376.	2.6	1
106	PPV May Be a Starting Point to Achieve Circulatory Protective Mechanical Ventilation. Frontiers in Medicine, 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. Chinese Medical Journal, 2014, 127, 36-42.	2.3	1
108	Response to: Understanding the null hypothesis (H0) in non-inferiority trials. Critical Care, 2017, 21, 201.	5.8	0

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109	Relationship of relevant factors to P(v-a)CO2/C(a-v)O2 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