Longxiang Su

List of Publications by Year
in descending order

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108	2,218	279778	276858
papers	citations	23 h-index	41 g-index

124	124	124	3901
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	State of the Art of Machine Learningâ€“Enabled Clinical Decision Support in Intensive Care Units: Literature Review. JMIR Medical Informatics, 2022, 10, e28781.	2.6	17
3	Using Procalcitonin to Guide Antibiotic Escalation in Patients With Suspected Bacterial Infection: A New Application of Procalcitonin in the Intensive Care Unit. Frontiers in Cellular and Infection Microbiology, 2022, 12, 844134.	3.9	2
4	Establishment and Implementation of Potential Fluid Therapy Balance Strategies for ICU Sepsis Patients Based on Reinforcement Learning. Frontiers in Medicine, 2022, 9, 766447.	2.6	3
5	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
6	TREM-1 promoted apoptosis and inhibited autophagy in LPS-treated HK-2 cells through the NF-Î¹B pathway. International Journal of Medical Sciences, 2021, 18, 8-17.	2.5	20
7	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
8	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
9	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
10	Stepwise lactate kinetics in critically ill patients: prognostic, influencing factors, and clinical phenotype. BMC Anesthesiology, 2021, 21, 86.	1.8	1
11	Noninvasive Real-Time Mortality Prediction in Intensive Care Units Based on Gradient Boosting Method: Model Development and Validation Study. JMIR Medical Informatics, 2021, 9, e23888.	2.6	2
12	A Clinical Prediction Model to Predict Heparin Treatment Outcomes and Provide Dosage Recommendations: Development and Validation Study. Journal of Medical Internet Research, 2021, 23, e27118.	4.3	6
13	Mean airway pressure has the potential to become the core pressure indicator of mechanical ventilation: Raising to the front from behind the clinical scenes. Journal of Intensive Medicine, 2021, 1, 96-98.	2.1	6
14	Early Prediction of Mortality, Severity, and Length of Stay in the Intensive Care Unit of Sepsis Patients Based on Sepsis 3.0 by Machine Learning Models. Frontiers in Medicine, 2021, 8, 664966.	2.6	23
15	Selection strategy for sedation depth in critically ill patients on mechanical ventilation. BMC Medical Informatics and Decision Making, 2021, 21, 79.	3.0	3
16	Early warning of citric acid overdose and timely adjustment of regional citrate anticoagulation based on machine learning methods. BMC Medical Informatics and Decision Making, 2021, 21, 126.	3.0	9
17	FUNDC1 Regulates Autophagy by Inhibiting ROS-NLRP3 Signaling to Avoid Apoptosis in the Lung in a Lipopolysaccharide-Induced Mouse Model. Shock, 2021, 56, 773-781.	2.1	8
18	Shock in China 2018 (SIC-study): a cross-sectional survey. Annals of Translational Medicine, 2021, 9, 1219-1219.	1.7	3

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19	The Risk Factors for Weaning Failure of Mechanically Ventilated Patients With COVID-19: A Retrospective Study in National Medical Team Work. Frontiers in Medicine, 2021, 8, 678157.	2.6	5
20	Recognizing blood pressure patterns in sedated critically ill patients on mechanical ventilation by spectral clustering. Annals of Translational Medicine, 2021, 9, 1404-1404.	1.7	2
21	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
22	The Availability and Safety Study of Remimazolam Besylate for Injection on Sedation of ERAS Patients Under Mechanical Ventilation in ICU: Protocol for a Randomized, Open-Label, Controlled Trial. Frontiers in Medicine, 2021, 8, 735473.	2.6	6
23	Editorial: Coronavirus Disease (COVID-19): Pathophysiology, Epidemiology, Clinical Management and Public Health Response. Frontiers in Public Health, 2021, 9, 807159.	2.7	2
24	PPV May Be a Starting Point to Achieve Circulatory Protective Mechanical Ventilation. Frontiers in Medicine, 2021, 8, 745164.	2.6	1
25	Editorial: Clinical Application of Artificial Intelligence in Emergency and Critical Care Medicine, Volume I. Frontiers in Medicine, 2021, 8, 809478.	2.6	1
26	Microcirculation-guided protection strategy in hemodynamic therapy. Clinical Hemorheology and Microcirculation, 2020, 75, 243-253.	1.7	10
27	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
28	IP-10 and MCP-1 as biomarkers associated with disease severity of COVID-19. Molecular Medicine, 2020, 26, 97.	4.4	196
29	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
30	Clinical Multi-Omics Study on the Gut Microbiota in Critically Ill Patients After Cardiovascular Surgery Combined With Cardiopulmonary Bypass With or Without Sepsis (MUL-GM-CSCPB Study): A Prospective Study Protocol. Frontiers in Medicine, 2020, 7, 269.	2.6	8
31	Correlation between cytokines and coagulation-related parameters in patients with coronavirus disease 2019 admitted to ICU. Clinica Chimica Acta, 2020, 510, 47-53.	1.1	18
32	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
33	Evaluation of the Secondary Transmission Pattern and Epidemic Prediction of COVID-19 in the Four Metropolitan Areas of China. Frontiers in Medicine, 2020, 7, 171.	2.6	30
34	Classification of the Gut Microbiota of Patients in Intensive Care Units During Development of Sepsis and Septic Shock. Genomics, Proteomics and Bioinformatics, 2020, 18, 696-707.	6.9	29
35	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
36	Toward Optimal Heparin Dosing by Comparing Multiple Machine Learning Methods: Retrospective Study. JMIR Medical Informatics, 2020, 8, e17648.	2.6	17

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37	Prognostic Assessment of COVID-19 in the Intensive Care Unit by Machine Learning Methods: Model Development and Validation. Journal of Medical Internet Research, 2020, 22, e23128.	4.3	90
38	Association Between Doppler Snuffbox Resistive Index and Tissue Perfusion in Septic Patients. Shock, 2020, 54, 723-730.	2.1	3
39	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
40	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
41	Role of vimentin in modulating immune cell apoptosis and inflammatory responses in sepsis. Scientific Reports, 2019, 9, 5747.	3.3	40
42	The Effect of Mechanical Ventilation on Peripheral Perfusion Index and Its Association With the Prognosis of Critically Ill Patients. Critical Care Medicine, 2019, 47, 685-690.	0.9	19
43	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
44	Relationship between inferior vena cava diameter ratio and central venous pressure. Journal of Clinical Ultrasound, 2018, 46, 450-454.	0.8	4
45	Fondaparinux in a critically Ill patient with heparin-induced thrombocytopenia. Medicine (United) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	4
46	mTOR modulates CD8+ T cell differentiation in mice with invasive pulmonary aspergillosis. Open Life Sciences, 2018, 13, 129-136.	1.4	3
47	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
48	Inhibition of the mTOR Pathway Exerts Cardioprotective Effects Partly through Autophagy in CLP Rats. Mediators of Inflammation, 2018, 2018, 1-9.	3.0	22
49	Melatonin Balance the Autophagy and Apoptosis by Regulating UCP2 in the LPS-Induced Cardiomyopathy. Molecules, 2018, 23, 675.	3.8	65
50	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
51	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
52	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
53	No effect of artificial gravity on lung function with exercise training during head-down bed rest-Retraction. International Journal of Astrobiology, 2017, 16, 200-200.	1.6	0
54	The correlation between CVP-derived parameters and the prognosis of critically ill patients. Journal of Critical Care, 2017, 40, 257-264.	2.2	14

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55	The authors reply. Critical Care Medicine, 2017, 45, e1204-e1205.	0.9	0
56	The authors reply. Critical Care Medicine, 2017, 45, e739-e740.	0.9	1
57	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
58	Response to: Understanding the null hypothesis (H0) in non-inferiority trials. Critical Care, 2017, 21, 201.	5.8	0
59	Lactate and stepwise lactate kinetics can be used to guide resuscitation. Critical Care, 2017, 21, 267.	5.8	2
60	No effect of artificial gravity on lung function with exercise training during head-down bed rest. International Journal of Astrobiology, 2016, 15, 147-153.	1.6	0
61	Role of sTREM-1 in predicting mortality of infection: a systematic review and meta-analysis. BMJ Open, 2016, 6, e010314.	1.9	50
62	Effects of Vaporized Perfluorocarbon on Surfactant Proteins in an Animal Model of LPS-Induced Acute Lung Injury. Chest, 2016, 149, A154.	0.8	0
63	Clinical and Experimental Significance of Vitamin D-Binding Protein in Patients With Sepsis and the Mouse Sepsis Model. Chest, 2016, 149, A181.	0.8	0
64	Diagnosis of Sepsis with Cell-free DNA by Next-Generation Sequencing Technology in ICU Patients. Archives of Medical Research, 2016, 47, 365-371.	3.3	168
65	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
66	Impact of a short-term exposure to spaceflight on the phenotype, genome, transcriptome and proteome ofEscherichia coli. International Journal of Astrobiology, 2015, 14, 435-444.	1.6	10
67	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
68	Pheochromocytoma Crisis With Severe Cyclic Blood Pressure Fluctuations in a Cardiac Pheochromocytoma Patient Successfully Resuscitated by Extracorporeal Membrane Oxygenation. Medicine (United States), 2015, 94, e790.	1.0	12
69	A Case Report of Churgâ€“Strauss Syndrome Presenting With Cardiogenic Shock Treated With Extracorporeal Membrane Oxygenation. Medicine (United States), 2015, 94, e1757.	1.0	9
70	Dynamic Changes in Amino Acid Concentration Profiles in Patients with Sepsis. PLoS ONE, 2015, 10, e0121933.	2.5	88
71	Dexamethasone Suppressed LPS-Induced Matrix Metalloproteinase and Its Effect on Endothelial Glycocalyx Shedding. Mediators of Inflammation, 2015, 2015, 1-8.	3.0	49
72	Î±-1-Acid glycoprotein as a biomarker for the early diagnosis and monitoring the prognosis of sepsis. Journal of Critical Care, 2015, 30, 744-751.	2.2	20

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73	The Role of Uncoupling Protein 2 During Myocardial Dysfunction in a Canine Model of Endotoxin Shock. Shock, 2015, 43, 292-297.	2.1	22
74	Alterations of T Helper Lymphocyte Subpopulations in Sepsis, Severe Sepsis, and Septic Shock: A Prospective Observational Study. Inflammation, 2015, 38, 995-1002.	3.8	57
75	Use of genome sequencing to assess nucleotide structure variation of Staphylococcus aureus strains cultured in spaceflight on Shenzhou-X, under simulated microgravity and on the ground. Microbiological Research, 2015, 170, 61-68.	5.3	16
76	Prognostic Value of Procalcitonin in Adult Patients with Sepsis: A Systematic Review and Meta-Analysis. PLoS ONE, 2015, 10, e0129450.	2.5	128
77	Prognostic value of different scoring models in patients with multiple organ dysfunction syndrome associated with acute COPD exacerbation. Journal of Thoracic Disease, 2015, 7, 329-36.	1.4	8
78	Discrimination of sepsis stage metabolic profiles with an LC/MS-MS-based metabolomics approach. BMJ Open Respiratory Research, 2014, 1, e000056.	3.0	50
79	Comparative genomic analysis of Klebsiella pneumonia (LCT-KP214) and a mutant strain (LCT-KP289) obtained after spaceflight. BMC Genomics, 2014, 15, 589.	2.8	13
80	Space mutagenesis of genetically engineered bacteria expressing recombinant human interferon Î±1b and screening of higher yielding strains. World Journal of Microbiology and Biotechnology, 2014, 30, 943-949.	3.6	12
81	WWTR1 promotes cell proliferation and inhibits apoptosis through cyclin A and CTGF regulation in non-small cell lung cancer. Tumor Biology, 2014, 35, 463-468.	1.8	21
82	The synergistic therapeutic effect of hepatocyte growth factor and granulocyte colony-stimulating factor on pulmonary hypertension in rats. Heart and Vessels, 2014, 29, 520-531.	1.2	15
83	Transcriptomic and proteomic responses of Serratia marcescens to spaceflight conditions involve large-scale changes in metabolic pathways. Advances in Space Research, 2014, 53, 1108-1117.	2.6	13
84	Phenotypic, genomic, transcriptomic and proteomic changes in Bacillus cereus after a short-term space flight. Advances in Space Research, 2014, 53, 18-29.	2.6	30
85	Genome Sequence of Bacillus cereus Strain LCT-BC235, Carried by the Shenzhou VIII Spacecraft. Genome Announcements, 2014, 2, .	0.8	1
86	Draft Genome Sequence of Bacillus cereus LCT-BC25, Isolated from Space Flight. Genome Announcements, 2014, 2, .	0.8	2
87	Genomic Evolution of 11 Type Strains within Family Planctomycetaceae. PLoS ONE, 2014, 9, e86752.	2.5	18
88	Prognosis and weaning of elderly multiple organ dysfunction syndrome patients with invasive mechanical ventilation. Chinese Medical Journal, 2014, 127, 11-7.	2.3	14
89	A multi-omic analysis of an Enterococcus faecium mutant reveals specific genetic mutations and dramatic changes in mRNA and protein expression. BMC Microbiology, 2013, 13, 304.	3.3	14
90	The efficacy of MSC-HGF in treating pulmonary arterial hypertension (PAH) and connexin remodelling. Open Life Sciences, 2013, 8, 240-251.	1.4	2

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91	Draft Genome Sequence of Escherichia coli Strain LCT-EC59. Genome Announcements, 2013, 1, .	0.8	1
92	Draft Genome Sequences of the Enterococcus faecium Strain LCT-EF258. Genome Announcements, 2013, 1, .	0.8	1
93	Diagnostic Value of Dynamics Serum sCD163, sTREM-1, PCT, and CRP in Differentiating Sepsis, Severity Assessment, and Prognostic Prediction. Mediators of Inflammation, 2013, 2013, 1-9.	3.0	59
94	The development of space microbiology in the future: the value and significance of space microbiology research. Future Microbiology, 2013, 8, 5-8.	2.0	29
95	Urinary proteomics analysis for sepsis biomarkers with iTRAQ labeling and two-dimensional liquid chromatographyâ€“tandem mass spectrometry. Journal of Trauma and Acute Care Surgery, 2013, 74, 940-945.	2.1	25
96	Identification of Novel Biomarkers for Sepsis Prognosis via Urinary Proteomic Analysis Using iTRAQ Labeling and 2D-LC-MS/MS. PLoS ONE, 2013, 8, e54237.	2.5	69
97	Genome Sequence of Enterococcus faecium Clinical Isolate LCT-EF128. Journal of Bacteriology, 2012, 194, 4765-4765.	2.2	4
98	Draft Genome Sequence of Enterococcus faecium Strain LCT-EF90. Journal of Bacteriology, 2012, 194, 3556-3557.	2.2	2
99	Draft Genome Sequence of Pseudomonas aeruginosa Strain ATCC 27853. Journal of Bacteriology, 2012, 194, 3755-3755.	2.2	14
100	Whole-Genome Sequence of Klebsiella pneumonia Strain LCT-KP214. Journal of Bacteriology, 2012, 194, 3281-3281.	2.2	9
101	Draft Genome Sequence of Escherichia coli LCT-EC106. Journal of Bacteriology, 2012, 194, 4443-4444.	2.2	7
102	Draft Genome Sequence of Bacillus cereus Strain LCT-BC244. Journal of Bacteriology, 2012, 194, 3549-3549.	2.2	4
103	Whole-Genome Sequence of Staphylococcus aureus Strain LCT-SA112. Journal of Bacteriology, 2012, 194, 4124-4124.	2.2	5
104	Draft Genome Sequence of Serratia marcescens Strain LCT-SM213. Journal of Bacteriology, 2012, 194, 4477-4478.	2.2	7
105	Dynamic Changes in Serum Soluble Triggering Receptor Expressed on Myeloid Cells-1 (sTREM-1) and its Gene Polymorphisms are Associated with Sepsis Prognosis. Inflammation, 2012, 35, 1833-1843.	3.8	36
106	Value of soluble TREM-1, procalcitonin, and C-reactive protein serum levels as biomarkers for detecting bacteremia among sepsis patients with new fever in intensive care units: a prospective cohort study. BMC Infectious Diseases, 2012, 12, 157.	2.9	100
107	Diagnostic value of urine sCD163 levels for sepsis and relevant acute kidney injury: a prospective study. BMC Nephrology, 2012, 13, 123.	1.8	13
108	Assessment of the green florescence protein labeling method for tracking implanted mesenchymal stem cells. Cytotechnology, 2012, 64, 391-401.	1.6	23