Yue Dong

List of Publications by Year
in descending order

115 papers	1,633 citations	393982 19 h-index	329751 37 g-index
121 all docs	121 docs citations	121 times ranked	2011 citing authors

#	Article	IF	Citations
1	Informatics Infrastructure for Syndrome Surveillance, Decision Support, Reporting, and Modeling of Critical Illness. Mayo Clinic Proceedings, 2010, 85, 247-254.	1.4	209
2	Plasma Tranexamic Acid Concentrations During Cardiopulmonary Bypass. Anesthesia and Analgesia, 2001, 92, 1131-1136.	1.1	145
3	Simulation-Based Objective Assessment Discerns Clinical Proficiency in Central Line Placement. Chest, 2010, 137, 1050-1056.	0.4	88
4	The implementation of clinician designed, human-centered electronic medical record viewer in the intensive care unit: A pilot step-wedge cluster randomized trial. International Journal of Medical Informatics, 2015, 84, 299-307.	1.6	82
5	EVALUATION OF MICROPOROUS POLYSACCHARIDE HEMOSPHERES AS A NOVEL HEMOSTATIC AGENT IN OPEN PARTIAL NEPHRECTOMY: FAVORABLE EXPERIMENTAL RESULTS IN THE PORCINE MODEL. Journal of Urology, 2004, 172, 1119-1122.	0.2	64
6	Clinical Characteristics, Treatment, and Outcomes of Critically Ill Patients With COVID-19: A Scoping Review. Mayo Clinic Proceedings, 2021, 96, 183-202.	1.4	62
7	Use of High Fidelity Operating Room Simulation to Assess and Teach Communication, Teamwork and Laparoscopic Skills: Initial Experience. Journal of Urology, 2009, 181, 1289-1296.	0.2	61
8	Public health impact of delaying second dose of BNT162b2 or mRNA-1273 covid-19 vaccine: simulation agent based modeling study. BMJ, The, 2021, 373, n1087.	3.0	59
9	Timing of the Onset of Acute Respiratory Distress Syndrome: A Population-Based Study. Respiratory Care, 2011, 56, 576-582.	0.8	49
10	Short-term and Long-term Impact of the Central Line Workshop on Resident Clinical Performance During Simulated Central Line Placement. Simulation in Healthcare, 2014, 9, 228-233.	0.7	44
11	A survey on the resources and practices in pediatric critical care of resource-rich and resource-limited countries. Journal of Intensive Care, 2015, 3, 40.	1.3	43
12	Outcome of Adverse Events and Medical Errors in the Intensive Care Unit. American Journal of Medical Quality, 2015, 30, 23-30.	0.2	41
13	Impact of weekly case-based tele-education on quality of care in a limited resource medical intensive care unit. Critical Care, 2019, 23, 220.	2.5	40
14	Dyschloremia Is a Risk Factor for the Development of Acute Kidney Injury in Critically Ill Patients. PLoS ONE, 2016, 11, e0160322.	1.1	40
15	Systems modeling and simulation applications for critical care medicine. Annals of Intensive Care, 2012, 2, 18.	2.2	32
16	Sodium Correction Practice and Clinical Outcomes in Profound Hyponatremia. Mayo Clinic Proceedings, 2015, 90, 1348-1355.	1.4	31
17	Development and Verification of a Digital Twin Patient Model to Predict Specific Treatment Response During the First 24 Hours of Sepsis. , 2020, 2, e0249.		30
18	Checklist for early recognition and treatment of acute illness: International collaboration to improve critical care practice. World Journal of Critical Care Medicine, 2015, 4, 55.	0.8	30

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19	Feasibility of an International Remote Simulation Training Program in Critical Care Delivery: A Pilot Study. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2018, 2, 229-233.	1.2	27
20	Effect of initial infusion rates of fluid resuscitation on outcomes in patients with septic shock: a historical cohort study. Critical Care, 2020, 24, 137.	2.5	25
21	Diagnostic performance of C-reactive protein for parapneumonic pleural effusion: a meta-analysis. Annals of Translational Medicine, 2019, 7, 1-1.	0.7	20
22	Microvascular Development in Porcine Right and Left Ventricular Walls. Pediatric Research, 2007, 61, 676-680.	1.1	19
23	Early intervention of patients at risk for acute respiratory failure and prolonged mechanical ventilation with a checklist aimed at the prevention of organ failure: protocol for a pragmatic stepped-wedged cluster trial of PROOFCheck: TableÂ1. BMJ Open, 2016, 6, e011347.	0.8	19
24	Leveraging Health Care Simulation Technology for Human Factors Research. Human Factors, 2016, 58, 1082-1095.	2.1	18
25	Simulation, Mastery Learning and Healthcare. American Journal of the Medical Sciences, 2017, 353, 158-165.	0.4	18
26	Checklist for Early Recognition and Treatment of Acute Illness and Injury: An Exploratory Multicenter International Quality-Improvement Study in the ICUs With Variable Resources. Critical Care Medicine, 2021, 49, e598-e612.	0.4	16
27	Prompting with electronic checklist improves clinician performance in medical emergencies: a high-fidelity simulation study. International Journal of Emergency Medicine, 2018, 11, 26.	0.6	15
28	A qualitative exploration of the discharge process and factors predisposing to readmissions to the intensive care unit. BMC Health Services Research, 2018, 18, 6.	0.9	15
29	Simultaneous Use of Hypertonic Saline and IV Furosemide for Fluid Overload: A Systematic Review and Meta-Analysis. Critical Care Medicine, 2021, 49, e1163-e1175.	0.4	15
30	Evaluation of microporous polysaccharide hemospheres for parenchymal hemostasis during laparoscopic partial nephrectomy in the porcine model. Journal of the Society of Laparoendoscopic Surgeons, 2006, 10, 302-6.	0.5	15
31	Microporous Polysaccharide Hemospheres Do Not Enhance Abdominal Infection in a Rat Model Compared with Gelatin Matrix. Surgical Infections, 2009, 10, 273-276.	0.7	14
32	Checklist for Early Recognition and Treatment of Acute Illness (CERTAIN): evolution of a content management system for point-of-care clinical decision support. BMC Medical Informatics and Decision Making, 2016, 16, 127.	1.5	12
33	Development and validation of clinical performance assessment in simulated medical emergencies: an observational study. BMC Emergency Medicine, 2016, 16, 4.	0.7	12
34	Modeling and Analysis of Ward Patient Rescue Process on the Hospital Floor. IEEE Transactions on Automation Science and Engineering, 2016, 13, 514-528.	3.4	12
35	Design and Î±-testing of an electronic rounding tool (CERTAINp) to improve process of care in pediatric intensive care unit. Journal of Clinical Monitoring and Computing, 2017, 31, 1313-1320.	0.7	12
36	Evaluation of TEAM dynamics before and after remote simulation training utilizing CERTAIN platform. Medical Education Online, 2018, 23, 1485431.	1.1	12

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37	Can the kidney function as a lung? Systemic oxygenation and renal preservation during retrograde perfusion of the ischaemic kidney in rabbits. BJU International, 2006, 98, 674-679.	1.3	11
38	Improving rounding in critical care environments through management of interruptions. Decision Support Systems, 2013, 55, 516-527.	3.5	10
39	An IP-based healthcare provider shift design approach to minimize patient handoffs. Health Care Management Science, 2014, 17, 1-14.	1.5	10
40	Effectiveness of a Daily Rounding Checklist on Processes of Care and Outcomes in Diverse Pediatric Intensive Care Units Across the World. Journal of Tropical Pediatrics, 2021, 67, .	0.7	10
41	Continuous Renal Replacement Therapy Liberation and Outcomes of Critically Ill Patients With Acute Kidney Injury. Mayo Clinic Proceedings, 2021, 96, 2757-2767.	1.4	10
42	Timeline of sepsis bundle component completion and its association with septic shock outcomes. Journal of Critical Care, 2020, 60, 143-151.	1.0	9
43	What Contributes to Diagnostic Error or Delay? A Qualitative Exploration Across Diverse Acute Care Settings in the United States. Journal of Patient Safety, 2021, 17, 239-248.	0.7	9
44	Predicting successful continuous renal replacement therapy liberation in critically ill patients with acute kidney injury. Journal of Critical Care, 2021, 66, 6-13.	1.0	9
45	A multidisciplinary approach to the development of digital twin models of critical care delivery in intensive care units. International Journal of Production Research, 2022, 60, 4197-4213.	4.9	8
46	Systems Integration. , 2013, , 121-133.		7
47	Feasibility and Reliability Testing of Manual Electronic Health Record Reviews as a Tool for Timely Identification of Diagnostic Error in Patients at Risk. Applied Clinical Informatics, 2020, 11, 474-482.	0.8	7
48	Propofol, Ketamine, and Etomidate as Induction Agents for Intubation and Outcomes in Critically Ill Patients: A Retrospective Cohort Study. , 2021, 3, e0435.		7
49	Rapid, multimodal, critical care knowledge-sharing platform for COVID-19 pandemics. Bosnian Journal of Basic Medical Sciences, 2021, 21, 93-97.	0.6	7
50	264. Critical Care Medicine, 2014, 42, A1424.	0.4	4
51	Agreement between whole blood and plasma sodium measurements in profound hyponatremia. Clinical Biochemistry, 2015, 48, 525-528.	0.8	4
52	Bottleneck Analysis to Improve Multidisciplinary Rounding Process in Intensive Care Units at Mayo Clinic. IEEE Robotics and Automation Letters, 2018, 3, 2678-2685.	3.3	4
53	Bedside Clinicians' Perceptions on the Contributing Role of Diagnostic Errors in Acutely Ill Patient Presentation. Journal of Patient Safety, 2021, Publish Ahead of Print, e454-e462.	0.7	4
54	Outcome after intubation for septic shock with respiratory distress and hemodynamic compromise: an observational study. BMC Anesthesiology, 2021, 21, 253.	0.7	4

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55	Modeling of Critically Ill Patient Pathways to Support Intensive Care Delivery. IEEE Robotics and Automation Letters, 2022, 7, 7287-7294.	3.3	4
56	Creation of the Prevention of Organ Failure Checklist. A Multidisciplinary Approach Using the Modified Delphi Technique. Annals of the American Thoracic Society, 2016, 13, 910-916.	1.5	3
57	Derivation and Validation of an Automated Search Strategy to Retrospectively Identify Acute Respiratory Distress Patients Per Berlin Definition. Frontiers in Medicine, 2021, 8, 614380.	1.2	3
58	Inclusion of Albumin in the Initial Resuscitation of Adult Patients with Medical Sepsis or Septic Shock. Shock, 2021, Publish Ahead of Print, 956-963.	1.0	3
59	A systematic review and meta-analysis of racial disparities in deep vein thrombosis and pulmonary embolism events in patients hospitalized with coronavirus disease 2019. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2022, 10, 939-944.e3.	0.9	3
60	Aprotinin does not prolong the Sonoclot aprotinin-insensitive activated clotting time. Journal of Clinical Anesthesia, 2007, 19, 424-428.	0.7	2
61	113: CHALLENGES OF IMPLEMENTING A STEPPED WEDGE KNOWLEDGE DELIVERY INTERVENTION IN 20 COUNTRIES. Critical Care Medicine, 2016, 44, 106-106.	0.4	2
62	Elastic Bandage vs Hypertonic Albumin for Diuretic-Resistant Volume-Overloaded Patients in Intensive Care Unit: A Propensity-Match Study. Mayo Clinic Proceedings, 2020, 95, 1660-1670.	1.4	2
63	Training of Pediatric Critical Care Providers in Developing Countries in Evidence Based Medicine Utilizing Remote Simulation Sessions. Global Pediatric Health, 2021, 8, 2333794X2110074.	0.3	2
64	Are We Ready for Video Recognition and Computer Vision in the Intensive Care Unit? A Survey. Applied Clinical Informatics, 2021, 12, 120-132.	0.8	2
65	The order of vasopressor discontinuation and incidence of hypotension: a retrospective cohort analysis. Scientific Reports, 2021, 11, 16680.	1.6	2
66	Investigating the cognitive capacity constraints of an ICU care team using a systems engineering approach. BMC Anesthesiology, 2022, 22, 10.	0.7	2
67	Characterization of sub-resolution microcirculatory status using whole-body CT imaging. , 2005, , .		1
68	USE OF HIGH FIDELITY OPERATING ROOM SIMULATION TO ASSESS AND TEACH COMMUNICATION, TEAMWORK AND LAPAROSCOPIC SKILLS: INITIAL EXPERIENCE. Journal of Urology, 2009, 181, 789-789.	0.2	1
69	DEVELOPMENT OF CHECKLIST-BASED PERFORMANCE ASSESSMENT INSTRUMENT OF CENTRAL LINE PLACEMENT. Chest, 2009, 136, 13S.	0.4	1
70	Erode/dilate analysis of micro-CT images of porcine myocardial microvasculature. , 2010, , .		1
71	765. Critical Care Medicine, 2015, 43, 192-193.	0.4	1
72	1242: ICU-ACQUIRED VANCOMYCIN-RESISTANT ENTEROCOCCUS: MIND THE NEIGHBORS!. Critical Care Medicine, 2018, 46, 604-604.	0.4	1

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73	2378 Addressing challenges from missing data in a global quality improvement study. Journal of Clinical and Translational Science, 2018, 2, 37-38.	0.3	1
74	Addressing the Elephant in the Intensive Care Unit: The Role of Interprofessional Education. ATS Scholar, 2021, 2, 293-296.	0.5	1
75	1214: Development and Verification of a Digital Twin Patient Model to Predict Treatment Response in Sepsis. Critical Care Medicine, 2021, 49, 611-611.	0.4	1
76	1053: Survey of Perception of Using Video Recognition and Computer Vision in the Intensive Care Unit. Critical Care Medicine, 2021, 49, 526-526.	0.4	1
77	1358: NAVIGATING THE STAGES OF AND CONTRIBUTORS TO DIAGNOSTIC ERROR AND DELAY. Critical Care Medicine, 2020, 48, 656-656.	0.4	1
78	Rapid, multimodal, critical care knowledge-sharing platform for COVID-19 pandemics. Bosnian Journal of Basic Medical Sciences, 2021, 21, 93-97.	0.6	1
79	Relationship Between Very Cold Outside Weather and Surgical Outcome: Integrating Shallow and Deep Artificial Neural Nets. Studies in Health Technology and Informatics, 2019, 264, 1783-1784.	0.2	1
80	A novel multimodal needs assessment to inform the longitudinal education program for an international interprofessional critical care team. BMC Medical Education, 2022, 22, .	1.0	1
81	Intramyocardial capillary blood volume estimated by whole-body CT: validation by micro-CT. , 2008, , .		0
82	Whole-body imaging of whole-organ, subresolution, basic functional unit (BFU) perfusion characteristics. , 2008, , .		0
83	Accidental Decannulation: Systems Thinking, Patient Protection, and Affordable Care. Respiratory Care, 2012, 57, 2133-2135.	0.8	0
84	Quality Metrics Associated With Achieving Central Venous Oxygen Saturation Goals In Patients Treated For Severe Sepsis And Septic Shock. , 2012, , .		0
85	Association Between The First Central Venous Pressure Time Acquisition And Mortality In Patients With Severe Sepsis And Septic Shock. , 2012, , .		0
86	Determinants Of Duration Of Patient Encounter During Morning Rounds In Medical And Surgical Intensive Care Units. , 2012, , .		0
87	Modeling and analysis of hospital inpatient rescue process: A Markov chain approach. , 2013, , .		0
88	Board 351 - Research Abstract Human Risk Assessment for Central Venous Catheterization in Simulation Center and Intensive Care Unit (Submission #1013). Simulation in Healthcare, 2013, 8, 547.	0.7	0
89	857. Critical Care Medicine, 2014, 42, A1566-A1567.	0.4	0
90	891. Critical Care Medicine, 2014, 42, A1574-A1575.	0.4	0

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91	828. Critical Care Medicine, 2014, 42, A1559-A1560.	0.4	0
92	System analysis and process redesign for quality improvement of sepsis resuscitation. International Journal of Collaborative Enterprise, 2014, 4, 83.	0.2	0
93	232. Critical Care Medicine, 2015, 43, 59.	0.4	0
94	910. Critical Care Medicine, 2015, 43, 229.	0.4	0
95	243. Critical Care Medicine, 2015, 43, 62.	0.4	0
96	977. Critical Care Medicine, 2015, 43, 246.	0.4	0
97	1391: SINGLE-CENTER PILOT RESULTS FROM MULTINATIONAL QUALITY IMPROVEMENT PROJECT (CERTAIN). Critical Care Medicine, 2016, 44, 423-423.	0.4	0
98	1245: PREVENTION OF VENTILATOR-ASSOCIATED PNEUMONIA THROUGH VENTILATOR CARE BUNDLE: A META-ANALYSIS. Critical Care Medicine, 2018, 46, 606-606.	0.4	0
99	1377: CLINICAL DECISION PATTERNS ON RENAL REPLACEMENT THERAPY AMONG SEVERE ACUTE KIDNEY INJURY. Critical Care Medicine, 2018, 46, 672-672.	0.4	0
100	1098: PRELIMINARY ANALYSIS OF PAGER ALERT SYSTEM EFFECT ON PROVIDER BEHAVIOR WITH CHECKLIST USE. Critical Care Medicine, 2018, 46, 532-532.	0.4	0
101	1458: LOOP DIURETIC EFFICIENCY IN CONJUNCTION WITH ELASTIC BANDAGE VS. HYPERTONIC ALBUMIN. Critical Care Medicine, 2019, 47, 705-705.	0.4	0
102	FEASIBILITY, DELIVERY, AND IMPLEMENTATION OF A REMOTE CRITICAL CARE TRAINING PROGRAM IN CHINA: THE CERTAIN APPROACH. Chest, 2021, 160, A1413.	0.4	0
103	IMPLEMENTATION OF A GLOBAL REMOTE INTERPROFESSIONAL QUALITY IMPROVEMENT INITIATIVE: RESULTS OF A NEEDS ASSESSMENT CONDUCTED FOR A BALKAN LEARNING COLLABORATIVE. Chest, 2021, 160, A1416.	0.4	0
104	A GLOBAL REMOTE QUALITY IMPROVEMENT INITIATIVE: NEEDS ASSESSMENT FROM INTERPROFESSIONAL CRITICAL CARE PROVIDERS FROM BOSNIA AND HERZEGOVINA. Chest, 2021, 160, A1428-A1429.	0.4	0
105	Right ventricular wall microvascular response to increased pulmonary artery pressure with particular reference to age of onset. FASEB Journal, 2008, 22, 1152.19.	0.2	0
106	800. Critical Care Medicine, 2012, 40, 1-328.	0.4	0
107	635. Critical Care Medicine, 2012, 40, 1-328.	0.4	0
108	The Structure of Rounds on a Medical Intensive Care Unit in a Teaching Hospital. Chest, 2014, 146, 485A.	0.4	0

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109	Prognosis of COPD patients admitted to the ICU in middle income countries. , 2018, , .		0
110	1364: USING AN ACUTE CARE LEARNING LAB TO TEST RELIABILITY OF A SEARCH STRATEGY FOR DIAGNOSTIC ERROR/DELAY. Critical Care Medicine, 2020, 48, 659-659.	0.4	0
111	954: Point-of-Care Ultrasonography in the Initial Management of Critical Care Patients. Critical Care Medicine, 2021, 49, 474-474.	0.4	0
112	1098: International Participant Satisfaction With the CERTAIN Structured Approach to Acute Care. Critical Care Medicine, 2021, 49, 550-550.	0.4	0
113	1108: Secondary Analysis of Diagnostic Error Rate in Patients Requiring Rapid Response Team Activation. Critical Care Medicine, 2021, 49, 555-555.	0.4	0
114	Intensive Care Unit Operational Modeling and Analysis. , 0, , 132-147.		0
115	Research on Sports Biomechanics in the Repair of Swimming Muscle Injury. Journal of Mechanics in Medicine and Biology, 0, , .	0.3	0