

Timothy G Buchman

List of Publications by Year in descending order

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Version: 2024-02-01

194
papers

14,315
citations

26567

56
h-index

20307

116
g-index

199
all docs

199
docs citations

199
times ranked

10349
citing authors

#	ARTICLE	IF	CITATIONS
1	Apoptotic cell death in patients with sepsis, shock, and multiple organ dysfunction. <i>Critical Care Medicine</i> , 1999, 27, 1230-1251.	0.4	1,226
2	Sepsis-Induced Apoptosis Causes Progressive Profound Depletion of B and CD4+ T Lymphocytes in Humans. <i>Journal of Immunology</i> , 2001, 166, 6952-6963.	0.4	789
3	High-Frequency Oscillatory Ventilation for Acute Respiratory Distress Syndrome in Adults. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 166, 801-808.	2.5	588
4	Genetic markers in sepsis. <i>Journal of the American College of Surgeons</i> , 2001, 192, 106-117.	0.2	516
5	An Interpretable Machine Learning Model for Accurate Prediction of Sepsis in the ICU. <i>Critical Care Medicine</i> , 2018, 46, 547-553.	0.4	494
6	Guidelines for the Selection of Anti-infective Agents for Complicated Intra-abdominal Infections. <i>Clinical Infectious Diseases</i> , 2003, 37, 997-1005.	2.9	464
7	A Meta-analysis of Prospective Trials Comparing Percutaneous and Surgical Tracheostomy in Critically Ill Patients. <i>Chest</i> , 2000, 118, 1412-1418.	0.4	441
8	Uncoupling of biological oscillators. <i>Critical Care Medicine</i> , 1996, 24, 1107-1116.	0.4	436
9	Prevention of lymphocyte cell death in sepsis improves survival in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 14541-14546.	3.3	417
10	Differential modulation of endotoxin responsiveness by human caspase-12 polymorphisms. <i>Nature</i> , 2004, 429, 75-79.	13.7	395
11	Apoptosis in lymphoid and parenchymal cells during sepsis. <i>Critical Care Medicine</i> , 1997, 25, 1298-1307.	0.4	326
12	Effect of an education program on decreasing catheter-related bloodstream infections in the surgical intensive care unit. <i>Critical Care Medicine</i> , 2002, 30, 59-64.	0.4	275
13	Restriction Endonuclease Fingerprinting of Herpes Simplex Virus DNA: A Novel Epidemiological Tool Applied to a Nosocomial Outbreak. <i>Journal of Infectious Diseases</i> , 1978, 138, 488-498.	1.9	271
14	Inhibition of Intestinal Epithelial Apoptosis and Survival in a Murine Model of Pneumonia-Induced Sepsis. <i>JAMA - Journal of the American Medical Association</i> , 2002, 287, 1716.	3.8	256
15	A prospective, randomized study comparing percutaneous with surgical tracheostomy in critically ill patients. <i>Critical Care Medicine</i> , 2001, 29, 926-930.	0.4	238
16	Experimental human endotoxemia increases cardiac regularity. <i>Critical Care Medicine</i> , 1996, 24, 1117-1124.	0.4	228
17	Social Norms and Global Environmental Challenges: The Complex Interaction of Behaviors, Values, and Policy. <i>BioScience</i> , 2013, 63, 164-175.	2.2	202
18	CECAL LIGATION AND PUNCTURE (CLP) INDUCES APOPTOSIS IN THYMUS, SPLEEN, LUNG, AND GUT BY AN ENDOTOXIN AND TNF-INDEPENDENT PATHWAY. <i>Shock</i> , 1997, 7, 247-253.	1.0	194

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19	The community of the self. <i>Nature</i> , 2002, 420, 246-251.	13.7	191
20	Rapid onset of intestinal epithelial and lymphocyte apoptotic cell death in patients with trauma and shock. <i>Critical Care Medicine</i> , 2000, 28, 3207-3217.	0.4	179
21	Relationship between tracheostomy timing and duration of mechanical ventilation in critically ill patients*. <i>Critical Care Medicine</i> , 2005, 33, 2513-2520.	0.4	179
22	Surgeons, intensivists, and the covenant of care: Administrative models and values affecting care at the end of life—Updated. <i>Critical Care Medicine</i> , 2003, 31, 1551-1559.	0.4	173
23	Overexpression of Bcl-2 in the intestinal epithelium improves survival in septic mice. <i>Critical Care Medicine</i> , 2002, 30, 195-201.	0.4	163
24	Targeted temperature management in critical care: A report and recommendations from five professional societies*. <i>Critical Care Medicine</i> , 2011, 39, 1113-1125.	0.4	163
25	Effects of Age on Mortality and Antibiotic Efficacy in Cecal Ligation and Puncture. <i>Shock</i> , 2003, 19, 310-313.	1.0	143
26	The heat shock paradox: does NF- κ B determine cell fate?. <i>FASEB Journal</i> , 2001, 15, 270-274.	0.2	140
27	Heart rate variability in critical illness and critical care. <i>Current Opinion in Critical Care</i> , 2002, 8, 311-315.	1.6	139
28	Redefining critical illness. <i>Nature Medicine</i> , 2022, 28, 1141-1148.	15.2	136
29	Inducible nitric oxide synthase (iNOS) gene deficiency increases the mortality of sepsis in mice. <i>Surgery</i> , 1999, 126, 438-442.	1.0	129
30	Implementation of a mandatory checklist of protocols and objectives improves compliance with a wide range of evidence-based intensive care unit practices. <i>Critical Care Medicine</i> , 2009, 37, 2775-2781.	0.4	126
31	Analysis of Discrepancies Between Pulse Oximetry and Arterial Oxygen Saturation Measurements by Race and Ethnicity and Association With Organ Dysfunction and Mortality. <i>JAMA Network Open</i> , 2021, 4, e2131674.	2.8	111
32	Association between heart rate variability recorded on postoperative day 1 and length of stay in abdominal aortic surgery patients. <i>Critical Care Medicine</i> , 2001, 29, 1738-1743.	0.4	107
33	Effects of aging on the immunopathologic response to sepsis. <i>Critical Care Medicine</i> , 2009, 37, 1018-1023.	0.4	107
34	Sepsis from <i>Pseudomonas aeruginosa</i> pneumonia decreases intestinal proliferation and induces gut epithelial cell cycle arrest*. <i>Critical Care Medicine</i> , 2003, 31, 1630-1637.	0.4	105
35	Efficacy and Safety of an Insulin Infusion Protocol in a Surgical ICU. <i>Journal of the American College of Surgeons</i> , 2006, 202, 1-9.	0.2	103
36	Who should manage the dying patient?: Rescue, shame, and the surgical ICU dilemma1 No competing interests declared.. <i>Journal of the American College of Surgeons</i> , 2002, 194, 665-673.	0.2	97

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37	Early antibiotic administration but not antibody therapy directed against IL-6 improves survival in septic mice predicted to die on basis of high IL-6 levels. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R1048-R1053.	0.9	93
38	Surgeons, intensivists, and the covenant of care: Administrative models and values affecting care at the end of life. <i>Critical Care Medicine</i> , 2003, 31, 1263-1270.	0.4	89
39	Antibiotics Improve Survival in Sepsis Independent of Injury Severity but do not Change Mortality in Mice with Markedly Elevated Interleukin 6 Levels. <i>Shock</i> , 2004, 21, 121-125.	1.0	89
40	A comparison of statistical and connectionist models for the prediction of chronicity in a surgical intensive care unit. <i>Critical Care Medicine</i> , 1994, 22, 750-762.	0.4	88
41	Nonlinear dynamics, complex systems, and the pathobiology of critical illness. <i>Current Opinion in Critical Care</i> , 2004, 10, 378-382.	1.6	88
42	The frequency and effects of cytochrome P450 (CYP) 2C9 polymorphisms in patients receiving warfarin. No competing interests declared. <i>Journal of the American College of Surgeons</i> , 2002, 194, 267-273.	0.2	86
43	Comparison of Intravenous/Oral Ciprofloxacin Plus Metronidazole Versus Piperacillin/Tazobactam in the Treatment of Complicated Intraabdominal Infections. <i>Annals of Surgery</i> , 2000, 232, 254-262.	2.1	84
44	The Impact of a Simple, Low-cost Oral Care Protocol on Ventilator-associated Pneumonia Rates in a Surgical Intensive Care Unit. <i>Journal of Intensive Care Medicine</i> , 2009, 24, 54-62.	1.3	82
45	Implementation of a mandatory checklist of protocols and objectives improves compliance with a wide range of evidence-based intensive care unit practices. <i>Critical Care Medicine</i> , 2009, 37, 2775-2781.	0.4	80
46	Neutrophil Depletion Causes a Fatal Defect in Murine Pulmonary Staphylococcus aureus clearance. <i>Journal of Surgical Research</i> , 2008, 150, 278-285.	0.8	79
47	The Impact of Bedside Behavior on Catheter-Related Bacteremia in the Intensive Care Unit. <i>Archives of Surgery</i> , 2004, 139, 131.	2.3	77
48	Cytochrome P450 polymorphisms are associated with reduced warfarin dose. <i>Surgery</i> , 2000, 128, 281-285.	1.0	75
49	Cancer causes increased mortality and is associated with altered apoptosis in murine sepsis*. <i>Critical Care Medicine</i> , 2010, 38, 886-893.	0.4	73
50	Role of Apoptosis in Pseudomonas aeruginosa Pneumonia. <i>Science</i> , 2001, 294, 1783a-1783.	6.0	72
51	Postoperative abdominal complications in cardiopulmonary bypass patients: A case-controlled study. <i>Annals of Thoracic Surgery</i> , 1995, 59, 1210-1213.	0.7	63
52	Endothelial cell apoptosis is accelerated by inorganic iron and heat via an oxygen radical dependent mechanism. <i>Surgery</i> , 1997, 122, 243-254.	1.0	63
53	Treatment of hypophosphatemia using a protocol based on patient weight and serum phosphorus level in a surgical intensive care unit. <i>Journal of the American College of Surgeons</i> , 2004, 198, 198-204.	0.2	62
54	Enterocyte-specific epidermal growth factor prevents barrier dysfunction and improves mortality in murine peritonitis. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, G471-G479.	1.6	61

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55	Physiologic Stability and Physiologic State. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996, 41, 599-605.	1.1	61
56	CD4 ⁺ lymphocytes control gut epithelial apoptosis and mediate survival in sepsis. <i>FASEB Journal</i> , 2009, 23, 1817-1825.	0.2	58
57	Surgeons, intensivists, and the covenant of care: administrative models and values affecting care at the end of life—Updated. <i>Critical Care Medicine</i> , 2003, 31, 1551-7; discussion 1557-9.	0.4	58
58	Biologically variable ventilation improves gas exchange and respiratory mechanics in a model of severe bronchospasm*. <i>Critical Care Medicine</i> , 2007, 35, 1749-1755.	0.4	54
59	ERRATUM. <i>Shock</i> , 2008, 30, 102.	1.0	53
60	In-Hospital Mortality After Cardiac Surgery: Patient Characteristics, Timing, and Association With Postoperative Length of Intensive Care Unit and Hospital Stay. <i>Annals of Thoracic Surgery</i> , 2014, 97, 1220-1225.	0.7	53
61	Nitric oxide inhibits stress-induced endothelial cell apoptosis. <i>Critical Care Medicine</i> , 1998, 26, 1500-1509.	0.4	52
62	Sepsis gene expression profiling: Murine splenic compared with hepatic responses determined by using complementary DNA microarrays. <i>Critical Care Medicine</i> , 2002, 30, 2711-2721.	0.4	51
63	Improved Extubation Rates and Earlier Liberation from Mechanical Ventilation with Implementation of a Daily Spontaneous-Breathing Trial Protocol. <i>Journal of the American College of Surgeons</i> , 2008, 206, 489-495.	0.2	50
64	Prevalence and Impact of Unknown Diabetes in the ICU. <i>Critical Care Medicine</i> , 2015, 43, e541-e550.	0.4	49
65	Multicenter implementation of a consensus-developed, evidence-based, spontaneous breathing trial protocol*. <i>Critical Care Medicine</i> , 2008, 36, 2753-2762.	0.4	48
66	Recovery at the edge of error: Debunking the myth of the infallible expert. <i>Journal of Biomedical Informatics</i> , 2011, 44, 413-424.	2.5	48
67	p53-Dependent and -Independent Pathways of Apoptotic Cell Death in Sepsis. <i>Journal of Immunology</i> , 2000, 164, 3675-3680.	0.4	47
68	Genetic research and testing in critical care: Surrogates™ perspective*. <i>Critical Care Medicine</i> , 2006, 34, 986-994.	0.4	47
69	Molecular Biology of Multiple Organ Dysfunction Syndrome: Injury, Adaptation, and Apoptosis. <i>Surgical Infections</i> , 2000, 1, 207-215.	0.7	46
70	The Role of Heat Shock Protein 70 in Mediating Age-Dependent Mortality in Sepsis. <i>Journal of Immunology</i> , 2011, 186, 3718-3725.	0.4	46
71	Stress-induced fractal rearrangement of the endothelial cell cytoskeleton causes apoptosis. <i>Surgery</i> , 1998, 124, 362-371.	1.0	45
72	Interleukin-1 receptor antagonist as therapy for inflammatory disorders. <i>Expert Opinion on Biological Therapy</i> , 2001, 1, 301-308.	1.4	45

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73	Antibiotics Improve Survival and Alter the Inflammatory Profile in a Murine Model of Sepsis From <i>Pseudomonas aeruginosa</i> Pneumonia. <i>Shock</i> , 2003, 19, 408-414.	1.0	45
74	INJURY IN THE ERA OF GENOMICS. <i>Shock</i> , 2001, 15, 165-170.	1.0	43
75	Pharmacoevidence of QTc interval prolonging drug administration in critically ill patients. <i>Pharmacoevidence and Drug Safety</i> , 2008, 17, 971-981.	0.9	43
76	Induction of translational thermotolerance in liver of thermally stressed rats. <i>FEBS Journal</i> , 1993, 218, 413-420.	0.2	41
77	Mechanisms of decreased intestinal epithelial proliferation and increased apoptosis in murine acute lung injury*. <i>Critical Care Medicine</i> , 2005, 33, 2350-2357.	0.4	41
78	PYRROLIDINE DITHIOCARBAMATE ACTIVATES THE HEAT SHOCK RESPONSE AND THEREBY INDUCES APOPTOSIS IN PRIMED ENDOTHELIAL CELLS. <i>Shock</i> , 1998, 10, 1-6.	1.0	40
79	In vivo, in vitro, in silico. . .*. <i>Critical Care Medicine</i> , 2004, 32, 2159-2160.	0.4	38
80	AGE DISPROPORTIONATELY INCREASES SEPSIS-INDUCED APOPTOSIS IN THE SPLEEN AND GUT EPITHELIUM. <i>Shock</i> , 2004, 22, 364-368.	1.0	38
81	High-dose exogenous iron following cecal ligation and puncture increases mortality rate in mice and is associated with an increase in gut epithelial and splenic apoptosis*. <i>Critical Care Medicine</i> , 2004, 32, 1178-1185.	0.4	38
82	Molecular Diagnostics in Sepsis: From Bedside to Bench. <i>Journal of the American College of Surgeons</i> , 2006, 203, 585-598.e1.	0.2	38
83	The Turn Team: A Novel Strategy for Reducing Pressure Ulcers in the Surgical Intensive Care Unit. <i>Journal of the American College of Surgeons</i> , 2013, 216, 373-379.	0.2	37
84	<i>Streptococcus pneumoniae</i> and <i>Pseudomonas aeruginosa</i> pneumonia induce distinct host responses. <i>Critical Care Medicine</i> , 2010, 38, 223-241.	0.4	36
85	The Coronavirus Disease 2019 Pandemic Impacts Burnout Syndrome Differently Among Multiprofessional Critical Care Cliniciansâ€”A Longitudinal Survey Study. <i>Critical Care Medicine</i> , 2022, 50, 440-448.	0.4	36
86	Innovative Interdisciplinary Strategies to Address the Intensivist Shortage. <i>Critical Care Medicine</i> , 2017, 45, 298-304.	0.4	35
87	The Relationship between the Surgeon and the Intensivist in the Surgical Intensive Care Unit. <i>Surgical Clinics of North America</i> , 2006, 86, 1351-1357.	0.5	34
88	A New Safety Event Reporting System Improves Physician Reporting in the Surgical Intensive Care Unit. <i>Journal of the American College of Surgeons</i> , 2006, 202, 881-887.	0.2	34
89	THIOL REDUCING AGENTS MODULATE INDUCED APOPTOSIS IN PORCINE ENDOTHELIAL CELLS. <i>Shock</i> , 1994, 2, 79-83.	1.0	33
90	Association between lymphotoxin-1 β (tumor necrosis factor-1 β) intron polymorphism and predisposition to severe sepsis is modified by gender and age. <i>Critical Care Medicine</i> , 2010, 38, 181-193.	0.4	33

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91	Multi-scale symbolic entropy analysis provides prognostic prediction in patients receiving extracorporeal life support. <i>Critical Care</i> , 2014, 18, 548.	2.5	32
92	Effect of Chlorhexidine/Silver Sulfadiazine-Impregnated Central Venous Catheters in an Intensive Care Unit with a Low Blood Stream Infection Rate after Implementation of an Educational Program: A Before-After Trial. <i>Surgical Infections</i> , 2007, 8, 445-454.	0.7	31
93	Tracheostomy protocol: Experience with development and potential utility*. <i>Critical Care Medicine</i> , 2008, 36, 1742-1748.	0.4	29
94	Comparing the information seeking strategies of residents, nurse practitioners, and physician assistants in critical care settings. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014, 21, e249-e256.	2.2	29
95	Effectiveness of Minocycline and Rifampin vs Chlorhexidine and Silver Sulfadiazine-Impregnated Central Venous Catheters in Preventing Central Line-Associated Bloodstream Infection in a High-Volume Academic Intensive Care Unit: A Before and after Trial. <i>Journal of the American College of Surgeons</i> , 2015, 221, 739-747.	0.2	29
96	Novel representation of physiologic states during critical illness and recovery. <i>Critical Care</i> , 2010, 14, 127.	2.5	28
97	Morbidity and timing of colostomy closure in trauma patients. <i>Injury</i> , 1993, 24, 438-440.	0.7	26
98	BCL-2 Inhibits Gut Epithelial Apoptosis Induced by Acute Lung Injury in Mice but Has No Effect On Survival. <i>Shock</i> , 2003, 20, 437-443.	1.0	26
99	Is there a role for growth hormone therapy in refractory critical illness?. <i>Current Opinion in Critical Care</i> , 2008, 14, 438-444.	1.6	25
100	Shock Supports the Use of Animal Research Reporting Guidelines. <i>Shock</i> , 2012, 38, 1-3.	1.0	25
101	Heart Rate Variability in Intensive Care. <i>Journal of Intensive Care Medicine</i> , 1998, 13, 252-265.	1.3	24
102	Intensive Care Unit Telemedicine. <i>Critical Care Clinics</i> , 2019, 35, 497-509.	1.0	24
103	National estimates of hospitalization charges for the acute care of traumatic brain injuries. <i>Brain Injury</i> , 2003, 17, 983-990.	0.6	21
104	Generating signals with multiscale time irreversibility: The asymmetric weierstrass function. <i>Complexity</i> , 2011, 16, 29-38.	0.9	21
105	Role of CuZn superoxide dismutase in regulating lymphocyte apoptosis during sepsis. <i>Critical Care Medicine</i> , 2000, 28, 1701-1708.	0.4	20
106	Examination of non-clinical factors affecting tracheostomy practice in an academic surgical intensive care unit*. <i>Critical Care Medicine</i> , 2009, 37, 3070-3078.	0.4	20
107	Random forest modeling can predict infectious complications following trauma laparotomy. <i>Journal of Trauma and Acute Care Surgery</i> , 2019, 87, 1125-1132.	1.1	20
108	The digital patient: Predicting physiologic dynamics with mathematical models*. <i>Critical Care Medicine</i> , 2009, 37, 1167-1168.	0.4	19

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109	HEAT SHOCK-INDUCED CELL DEATH IN MURINE MICROVASCULAR ENDOTHELIAL CELLS DEPENDS ON PRIMING WITH TUMOR NECROSIS FACTOR- α OR INTERFERON- β . <i>Shock</i> , 1994, 2, 320-323.	1.0	18
110	Families'™ perceptions of surgical intensive care. <i>Journal of the American College of Surgeons</i> , 2003, 196, 977-983.	0.2	18
111	Myocardial transcriptional profiles in a murine model of sepsis: Evidence for the importance of age*. <i>Pediatric Critical Care Medicine</i> , 2008, 9, 530-535.	0.2	18
112	Reduced Red Blood Cell Transfusion in Cardiothoracic Surgery after Implementation of a Novel Clinical Decision Support Tool. <i>Journal of the American College of Surgeons</i> , 2014, 219, 1028-1036.	0.2	18
113	Using Incentives to Improve Resource Utilization. <i>Critical Care Medicine</i> , 2016, 44, 162-170.	0.4	18
114	Evaluation of the Applicability, Efficacy, and Safety of a Thromboembolic Event Prophylaxis Guideline Designed for Quality Improvement of the Traumatically Injured Patient. <i>Journal of Trauma</i> , 2005, 58, 731-739.	2.3	17
115	INTESTINE-SPECIFIC OVEREXPRESSION OF IL-10 IMPROVES SURVIVAL IN POLYMICROBIAL SEPSIS. <i>Shock</i> , 2008, 29, 483-489.	1.0	17
116	Surgeons and their patients near the end of life*. <i>Critical Care Medicine</i> , 2010, 38, 995-996.	0.4	17
117	Feasibility and Economic Impact of Dedicated Hospice Inpatient Units for Terminally Ill ICU Patients*. <i>Critical Care Medicine</i> , 2014, 42, 1074-1080.	0.4	17
118	Critical care journals during the COVID-19 pandemic: challenges and responsibilities. <i>Intensive Care Medicine</i> , 2020, 46, 1521-1523.	3.9	17
119	Using "off-the-shelf" tools for terabyte-scale waveform recording in intensive care: Computer system design, database description and lessons learned. <i>Computer Methods and Programs in Biomedicine</i> , 2011, 103, 151-160.	2.6	15
120	Prescribing Patterns of Hydrocortisone in Septic Shock. <i>Critical Care Medicine</i> , 2013, 41, 2310-2317.	0.4	15
121	Hepatic Heat Shock and Acute-phase Gene Expression Are Induced Simultaneously after Celiotomy in the Anesthetized Pig. <i>Anesthesiology</i> , 1995, 83, 850-859..	1.3	14
122	Autonomic information flow improves prognostic value of heart rate patterns after abdominal aortic surgery. <i>Journal of Critical Care</i> , 2008, 23, 255-262.	1.0	14
123	Toward optimal display of physiologic status in critical care: I. Recreating bedside displays from archived physiologic data. <i>Journal of Critical Care</i> , 2011, 26, 105.e1-105.e9.	1.0	14
124	Myocardial infarction as a complication of injury ¹¹ No competing interests declared.. <i>Journal of the American College of Surgeons</i> , 2000, 190, 665-670.	0.2	13
125	Template-Directed Dye-Terminator Incorporation with Fluorescence Polarization Detection for Analysis of Single Nucleotide Polymorphisms Implicated in Sepsis. <i>Journal of Molecular Diagnostics</i> , 2002, 4, 209-215.	1.2	13
126	Predicting clinical physiology: A Markov chain model of heart rate recovery after spontaneous breathing trials in mechanically ventilated patients. <i>Journal of Critical Care</i> , 2009, 24, 347-361.	1.0	13

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127	Patient-care time allocation by nurse practitioners and physician assistants in the intensive care unit. <i>Critical Care</i> , 2012, 16, R27.	2.5	13
128	The Price of a Miracle. <i>Journal of the American College of Surgeons</i> , 2012, 214, 25-26.	0.2	13
129	Extreme warfarin sensitivity in siblings associated with multiple cytochrome P450 polymorphisms. <i>American Journal of Hematology</i> , 2001, 67, 144-146.	2.0	12
130	Cardiorespiratory dynamics during transitions between mechanical and spontaneous ventilation in intensive care. <i>Complexity</i> , 2008, 13, 40-59.	0.9	12
131	Ethical considerations in the collection of genetic data from critically ill patients: What do published studies reveal about potential directions for empirical ethics research?. <i>Pharmacogenomics Journal</i> , 2010, 10, 77-85.	0.9	12
132	Coagulation inhibitors in the treatment of sepsis. <i>Expert Opinion on Investigational Drugs</i> , 2002, 11, 69-74.	1.9	11
133	IRON OVERLOAD BEFORE CECAL LIGATION AND PUNCTURE INCREASES MORTALITY. <i>Shock</i> , 2003, 20, 52-55.	1.0	11
134	Iron Dysregulation Combined with Aging Prevents Sepsis-Induced Apoptosis1. <i>Journal of Surgical Research</i> , 2005, 128, 37-44.	0.8	11
135	Physiological noise versus white noise to drive a variable ventilator in a porcine model of lung injury. <i>Canadian Journal of Anaesthesia</i> , 2008, 55, 577-586.	0.7	11
136	Altered Heart Rate Variability Early in ICU Admission Differentiates Critically Ill Coronavirus Disease 2019 and All-Cause Sepsis Patients. , 2021, 3, e0570.		11
137	Expression of α_2 -macroglobulin by the interaction between hepatocytes and endothelial cells in coculture. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R203-R211.	0.9	10
138	Shock: Blalock and Cannon. <i>Archives of Surgery</i> , 2010, 145, 393.	2.3	10
139	Tumor necrosis factor α 308 polymorphism (rs1800629) is associated with mortality and ventilator duration in 1057 Caucasian patients. <i>Cytokine</i> , 2012, 60, 249-256.	1.4	10
140	Robert Wood Johnson Foundation Office of Promoting Excellence in End-of-Life Care: executive summary of the report from the field. <i>Journal of the American College of Surgeons</i> , 2003, 196, 807-815.	0.2	9
141	Physiologic Failure: Multiple Organ Dysfunction Syndrome. , 2006, , 631-640.		9
142	SHOCK AT THE MILLENNIUM I. WALTER B. CANNON AND ALFRED BLALOCK. <i>Shock</i> , 2000, 13, 497-504.	1.0	8
143	Factor V Leiden mutation in a patient with warfarin-associated skin necrosis. <i>Surgery</i> , 2000, 127, 595-596.	1.0	8
144	SEQUENCE MAKES A DIFFERENCE: PARADOXICAL EFFECTS OF STRESS IN VIVO. <i>Shock</i> , 2004, 22, 229-233.	1.0	8

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145	Biomedical Complexity and Error. <i>Journal of Biomedical Informatics</i> , 2011, 44, 387-389.	2.5	8
146	Template-directed dye-terminator incorporation with fluorescence polarization detection for analysis of single nucleotide polymorphisms associated with cardiovascular and thromboembolic disease. <i>Thrombosis Research</i> , 2003, 111, 373-379.	0.8	7
147	Postreperfusion Cardiac Arrest and Resuscitation During Orthotopic Liver Transplantation. <i>Shock</i> , 2012, 37, 34-38.	1.0	7
148	Priority queuing models for hospital intensive care units and impacts to severe case patients. <i>AMIA ... Annual Symposium proceedings</i> , 2013, 2013, 841-50.	0.2	7
149	Mammalian liver contains an activity which mimics bacterial chloramphenicol acetyltransferase. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1990, 1087, 303-308.	2.4	6
150	Sedation modulates recognition of novel stimuli and adaptation to regular stimuli in critically ill adults. <i>Critical Care Medicine</i> , 2002, 30, 609-616.	0.4	6
151	Comparison of circuit patency and exchange rates between 2 different continuous renal replacement therapy machines. <i>Journal of Critical Care</i> , 2014, 29, 272-277.	1.0	6
152	SHOCK AT THE MILLENNIUM II. WALTER B. CANNON AND LAWRENCE J. HENDERSON. <i>Shock</i> , 2001, 16, 278-284.	1.0	5
153	Mathematical estimates of recovery after loss of activity: II. Long-range connectivity facilitates rapid functional recovery. <i>Critical Care Medicine</i> , 2008, 36, 489-494.	0.4	5
154	Prediction of heart rate response to conclusion of the spontaneous breathing trial by fluctuation dissipation theory. <i>Physical Biology</i> , 2013, 10, 016006.	0.8	5
155	Promoting Patient- and Family-Centered Care in the Intensive Care Unit: A Dissemination Project. <i>AACN Advanced Critical Care</i> , 2017, 28, 155-159.	0.6	5
156	Viral Micro-RNAs Are Detected in the Early Systemic Response to Injury and Are Associated With Outcomes in Polytrauma Patients. <i>Critical Care Medicine</i> , 2022, 50, 296-306.	0.4	5
157	Clinical molecular genetics and critical care medicine. <i>Critical Care Medicine</i> , 1996, 24, 373-375.	0.4	5
158	Rapid Onset of Hepatocyte Apoptosis in a Patient with Trauma. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 49, 542-546.	1.1	4
159	Sepsis through the Eyes of an Engineerâ Why Treatments Have Succeeded and Failed. <i>Critical Reviews in Biomedical Engineering</i> , 2012, 40, 353-361.	0.5	4
160	Prediction of Acute Respiratory Failure Requiring Advanced Respiratory Support in Advance of Interventions and Treatment: A Multivariable Prediction Model From Electronic Medical Record Data. , 2021, 3, e0402.		4
161	AWASH IN DATA. <i>Shock</i> , 1997, 8, 232.	1.0	3
162	RNAi. <i>Critical Care Medicine</i> , 2005, 33, S441-S443.	0.4	3

#	ARTICLE	IF	CITATIONS
163	Filtering authentic sepsis arising in the ICU using administrative codes coupled to a SIRS screening protocol. <i>Journal of Critical Care</i> , 2017, 39, 220-224.	1.0	3
164	Genetic susceptibility to hemorrhagic complications during warfarin therapy. <i>Surgery</i> , 2001, 129, 645-646.	1.0	2
165	Energy deficit and length of hospital stay can be reduced by a two-step quality improvement of nutrition therapy. <i>Critical Care Medicine</i> , 2012, 40, 662-663.	0.4	2
166	Precision Diagnosis Is a Team Sport. <i>Journal of Molecular Diagnostics</i> , 2016, 18, 1-2.	1.2	2
167	Pharmacogenomic biomarkers do not predict response to drotrecogin alfa in patients with severe sepsis. <i>Annals of Intensive Care</i> , 2018, 8, 16.	2.2	2
168	Is Heat Shock Protein-72 Responsible for Nitric Oxide's Ability to Block Stress-Induced Apoptosis?. <i>Critical Care Medicine</i> , 1999, 27, 1695.	0.4	2
169	Fractals in Clinical Hemodynamics. <i>Anesthesiology</i> , 2012, 117, 699-700.	1.3	2
170	Some like it hot. <i>Critical Care Medicine</i> , 1997, 25, 1636.	0.4	2
171	Critical care: On target. <i>Critical Care Medicine</i> , 2003, 31, 1003-1005.	0.4	1
172	Mathematical Estimation of Recovery After Loss of Activity: I. Renal Failure. <i>Journal of Trauma</i> , 2007, 63, 232-238.	2.3	1
173	Achieving the aims of education: curricular decisions in critical care. <i>Critical Care</i> , 2008, 12, 188.	2.5	1
174	Half empty or half full?*. <i>Critical Care Medicine</i> , 2010, 38, 1747-1748.	0.4	1
175	Modules, modularity and adaptation. <i>Physics of Life Reviews</i> , 2011, 8, 163-4; discussion 167-8.	1.5	1
176	Peaceful Rest vs Rest in Peace. <i>Archives of Surgery</i> , 2011, 146, 278.	2.3	1
177	Extra credit*. <i>Critical Care Medicine</i> , 2012, 40, 1028-1029.	0.4	1
178	Informal Contracts, Shared Decision Making, and the Covenant of Care*. <i>Critical Care Medicine</i> , 2013, 41, 326-327.	0.4	1
179	Cardiovascular Variability as a Measure of Inflammation*. <i>Critical Care Medicine</i> , 2014, 42, 1964.	0.4	1
180	From data patterns to biological mechanism in critical illness: The role of engineering. <i>Journal of Critical Care</i> , 2014, 29, 668.	1.0	1

#	ARTICLE	IF	CITATIONS
181	Battlefield to Bedside: Bringing Precision Medicine to Surgical Care. Journal of the American College of Surgeons, 2018, 226, 1093-1102.	0.2	1
182	Clinical Implications of Cognitive Complexity in Critical Care. Computers in Health Care, 2014, , 423-440.	0.2	1
183	The Perioperative Management of the Acute Care Surgical Patient. , 2007, , 67-83.		1
184	Surgical leadership. Nature, 1997, 389, 904-904.	13.7	0
185	Patientsâ€™ and surrogatesâ€™ perspective on research and testing in critical care. Critical Care Medicine, 2007, 35, 328-329.	0.4	0
186	Invited commentary: Experience matters. Journal of Critical Care, 2008, 23, 556.	1.0	0
187	Policies, Populations, Practices, Providersâ€™ and a Patient. Critical Care Medicine, 2015, 43, 2273-2274.	0.4	0
188	Exploring the Epigenetics of Severe Sepsis: First Step in a Long Journey*. Critical Care Medicine, 2020, 48, 254-255.	0.4	0
189	Integrative Biology and Genetic Variability: MODSâ€™ Next Frontiers. , 2000, , 651-655.		0
190	Untimely Apoptosis in Human SIRS, SEPSIS, and MODS. , 2000, , 131-133.		0
191	Multiple Organ Dysfunction Syndrome. , 2001, , 321-326.		0
192	The Future of Critical Care: Technological Advances and Moral Choices. Journal of the Japanese Society of Intensive Care Medicine, 2006, 13, 131-134.	0.0	0
193	Stress and the Biology of the Responses. , 2006, , 21-30.		0
194	Health Professionals in Critical Care. Respiratory Medicine, 2014, , 41-51.	0.1	0