

Nathan I Shapiro

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166
papers

11,594
citations

52
h-index

106
g-index

178
ext. papers

14,090
ext. citations

5.3
avg, IF

6.2
L-index

#	Paper	IF	Citations
166	A randomized trial of protocol-based care for early septic shock. <i>New England Journal of Medicine</i> , 2014 , 370, 1683-93	59.2	1575
165	Lactate clearance vs central venous oxygen saturation as goals of early sepsis therapy: a randomized clinical trial. <i>JAMA - Journal of the American Medical Association</i> , 2010 , 303, 739-46	27.4	686
164	Resuscitating the microcirculation in sepsis: the central role of nitric oxide, emerging concepts for novel therapies, and challenges for clinical trials. <i>Academic Emergency Medicine</i> , 2008 , 15, 399-413	3.4	619
163	Serum lactate as a predictor of mortality in emergency department patients with infection. <i>Annals of Emergency Medicine</i> , 2005 , 45, 524-8	2.1	517
162	Mortality in Emergency Department Sepsis (MEDS) score: a prospectively derived and validated clinical prediction rule. <i>Critical Care Medicine</i> , 2003 , 31, 670-5	1.4	416
161	National estimates of severe sepsis in United States emergency departments. <i>Critical Care Medicine</i> , 2007 , 35, 1928-36	1.4	361
160	Early increases in microcirculatory perfusion during protocol-directed resuscitation are associated with reduced multi-organ failure at 24 h in patients with sepsis. <i>Intensive Care Medicine</i> , 2008 , 34, 2210-7	14.5	352
159	Implementation and outcomes of the Multiple Urgent Sepsis Therapies (MUST) protocol. <i>Critical Care Medicine</i> , 2006 , 34, 1025-32	1.4	336
158	Occult hypoperfusion and mortality in patients with suspected infection. <i>Intensive Care Medicine</i> , 2007 , 33, 1892-9	14.5	263
157	Multicenter study of early lactate clearance as a determinant of survival in patients with presumed sepsis. <i>Shock</i> , 2009 , 32, 35-9	3.4	259
156	The glyocalyx: a novel diagnostic and therapeutic target in sepsis. <i>Critical Care</i> , 2019 , 23, 16	10.8	224
155	Second consensus on the assessment of sublingual microcirculation in critically ill patients: results from a task force of the European Society of Intensive Care Medicine. <i>Intensive Care Medicine</i> , 2018 , 44, 281-299	14.5	183
154	A prospective, multicenter derivation of a biomarker panel to assess risk of organ dysfunction, shock, and death in emergency department patients with suspected sepsis. <i>Critical Care Medicine</i> , 2009 , 37, 96-104	1.4	173
153	The association of endothelial cell signaling, severity of illness, and organ dysfunction in sepsis. <i>Critical Care</i> , 2010 , 14, R182	10.8	171
152	The association of sepsis syndrome and organ dysfunction with mortality in emergency department patients with suspected infection. <i>Annals of Emergency Medicine</i> , 2006 , 48, 583-90, 590.e1	2.1	159
151	Serial Procalcitonin Predicts Mortality in Severe Sepsis Patients: Results From the Multicenter Procalcitonin MOonitoring SEpsis (MOSES) Study. <i>Critical Care Medicine</i> , 2017 , 45, 781-789	1.4	142
150	Shock index and early recognition of sepsis in the emergency department: pilot study. <i>Western Journal of Emergency Medicine</i> , 2013 , 14, 168-74	3.3	139

149	Creating an automated trigger for sepsis clinical decision support at emergency department triage using machine learning. <i>PLoS ONE</i> , 2017 , 12, e0174708	3.7	135
148	Proof of principle: the predisposition, infection, response, organ failure sepsis staging system. <i>Critical Care Medicine</i> , 2011 , 39, 322-7	1.4	134
147	Who needs a blood culture? A prospectively derived and validated prediction rule. <i>Journal of Emergency Medicine</i> , 2008 , 35, 255-64	1.5	131
146	Angiopoietin-2 may contribute to multiple organ dysfunction and death in sepsis*. <i>Critical Care Medicine</i> , 2012 , 40, 3034-41	1.4	123
145	Lactate clearance as a predictor of mortality in trauma patients. <i>Journal of Trauma and Acute Care Surgery</i> , 2013 , 74, 999-1004	3.3	122
144	Simple triage scoring system predicting death and the need for critical care resources for use during epidemics. <i>Critical Care Medicine</i> , 2007 , 35, 1251-6	1.4	116
143	Early High-Dose Vitamin D for Critically Ill, Vitamin D-Deficient Patients. <i>New England Journal of Medicine</i> , 2019 , 381, 2529-2540	59.2	107
142	Mortality in Emergency Department Sepsis (MEDS) score predicts 1-year mortality. <i>Critical Care Medicine</i> , 2007 , 35, 192-8	1.4	105
141	Association Between mRNA Vaccination and COVID-19 Hospitalization and Disease Severity. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 326, 2043-2054	27.4	105
140	Whole blood lactate kinetics in patients undergoing quantitative resuscitation for severe sepsis and septic shock. <i>Chest</i> , 2013 , 143, 1548-1553	5.3	103
139	The microcirculation image quality score: development and preliminary evaluation of a proposed approach to grading quality of image acquisition for bedside videomicroscopy. <i>Journal of Critical Care</i> , 2013 , 28, 913-7	4	102
138	The diagnostic accuracy of plasma neutrophil gelatinase-associated lipocalin in the prediction of acute kidney injury in emergency department patients with suspected sepsis. <i>Annals of Emergency Medicine</i> , 2010 , 56, 52-59.e1	2.1	99
137	Biomarkers of endothelial cell activation in early sepsis. <i>Shock</i> , 2013 , 39, 427-32	3.4	98
136	Charlson Index is associated with one-year mortality in emergency department patients with suspected infection. <i>Academic Emergency Medicine</i> , 2006 , 13, 530-6	3.4	98
135	Outcomes of patients undergoing early sepsis resuscitation for cryptic shock compared with overt shock. <i>Resuscitation</i> , 2011 , 82, 1289-93	4	97
134	The association of near-infrared spectroscopy-derived tissue oxygenation measurements with sepsis syndromes, organ dysfunction and mortality in emergency department patients with sepsis. <i>Critical Care</i> , 2011 , 15, R223	10.8	97
133	Soluble adhesion molecules as markers for sepsis and the potential pathophysiological discrepancy in neonates, children and adults. <i>Critical Care</i> , 2014 , 18, 204	10.8	96
132	Association Between Early Hyperoxia Exposure After Resuscitation From Cardiac Arrest and Neurological Disability: Prospective Multicenter Protocol-Directed Cohort Study. <i>Circulation</i> , 2018 , 137, 2114-2124	16.7	95

131	International study on microcirculatory shock occurrence in acutely ill patients. <i>Critical Care Medicine</i> , 2015 , 43, 48-56	1.4	95
130	The costs and cost-effectiveness of an integrated sepsis treatment protocol. <i>Critical Care Medicine</i> , 2008 , 36, 1168-74	1.4	91
129	Chronic medical conditions and risk of sepsis. <i>PLoS ONE</i> , 2012 , 7, e48307	3.7	89
128	A prospective, observational study of soluble FLT-1 and vascular endothelial growth factor in sepsis. <i>Shock</i> , 2008 , 29, 452-7	3.4	82
127	Application of the Third International Consensus Definitions for Sepsis (Sepsis-3) Classification: a retrospective population-based cohort study. <i>Lancet Infectious Diseases</i> , 2017 , 17, 661-670	25.5	80
126	2023. A Prospective, Multi-Center U.S. Clinical Trial to Determine Accuracy of FebriDx Point-of-Care Testing for Acute Upper Respiratory Infections with and Without a Confirmed Fever. <i>Open Forum Infectious Diseases</i> , 2018 , 5, S589-S590	1	78
125	Liberal Versus Restrictive Intravenous Fluid Therapy for Early Septic Shock: Rationale for a Randomized Trial. <i>Annals of Emergency Medicine</i> , 2018 , 72, 457-466	2.1	74
124	Vitamin D insufficiency and sepsis severity in emergency department patients with suspected infection. <i>Academic Emergency Medicine</i> , 2011 , 18, 551-4	3.4	68
123	Intravenous fluid resuscitation is associated with septic endothelial glycocalyx degradation. <i>Critical Care</i> , 2019 , 23, 259	10.8	67
122	Opportunities for Emergency Medical Services care of sepsis. <i>Resuscitation</i> , 2010 , 81, 193-7	4	67
121	A guide to human in vivo microcirculatory flow image analysis. <i>Critical Care</i> , 2016 , 20, 35	10.8	65
120	Mitochondria are gate-keepers of T cell function by producing the ATP that drives purinergic signaling. <i>Journal of Biological Chemistry</i> , 2014 , 289, 25936-45	5.4	64
119	An Emergency Department Validation of the SEP-3 Sepsis and Septic Shock Definitions and Comparison With 1992 Consensus Definitions. <i>Annals of Emergency Medicine</i> , 2017 , 70, 544-552.e5	2.1	61
118	Effectiveness of SARS-CoV-2 mRNA Vaccines for Preventing Covid-19 Hospitalizations in the United States. <i>Clinical Infectious Diseases</i> , 2021 ,	11.6	60
117	Point-of-care assessment of microvascular blood flow in critically ill patients. <i>Intensive Care Medicine</i> , 2009 , 35, 1761-6	14.5	58
116	Long-term Host Immune Response Trajectories Among Hospitalized Patients With Sepsis. <i>JAMA Network Open</i> , 2019 , 2, e198686	10.4	55
115	The feasibility and accuracy of point-of-care lactate measurement in emergency department patients with suspected infection. <i>Journal of Emergency Medicine</i> , 2010 , 39, 89-94	1.5	53
114	Leptin exacerbates sepsis-mediated morbidity and mortality. <i>Journal of Immunology</i> , 2010 , 185, 517-24	5.3	51

113	Endothelial Permeability and Hemostasis in Septic Shock: Results From the ProCESS Trial. <i>Chest</i> , 2017 , 152, 22-31	5.3	50
112	Tie2 protects the vasculature against thrombus formation in systemic inflammation. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1471-1484	15.9	49
111	Identifying infected emergency department patients admitted to the hospital ward at risk of clinical deterioration and intensive care unit transfer. <i>Academic Emergency Medicine</i> , 2010 , 17, 1080-5	3.4	46
110	Implementing Early Goal-directed Therapy in the Emergency Setting: The Challenges and Experiences of Translating Research Innovations into Clinical Reality in Academic and Community Settings. <i>Academic Emergency Medicine</i> , 2007 , 14, 1072-1078	3.4	45
109	Endothelial cell activation in emergency department patients with sepsis-related and non-sepsis-related hypotension. <i>Shock</i> , 2011 , 36, 104-8	3.4	44
108	Are echocardiography, telemetry, ambulatory electrocardiography monitoring, and cardiac enzymes in emergency department patients presenting with syncope useful tests? A preliminary investigation. <i>Journal of Emergency Medicine</i> , 2014 , 47, 113-8	1.5	43
107	Inflammatory and endothelial activation biomarkers and risk of sepsis: a nested case-control study. <i>Journal of Critical Care</i> , 2013 , 28, 549-55	4	39
106	Diagnostic characteristics of a clinical screening tool in combination with measuring bedside lactate level in emergency department patients with suspected sepsis. <i>Academic Emergency Medicine</i> , 2014 , 21, 853-7	3.4	39
105	Clinical severity of, and effectiveness of mRNA vaccines against, covid-19 from omicron, delta, and alpha SARS-CoV-2 variants in the United States: prospective observational study.. <i>BMJ, The</i> , 2022 , 376, e069761	5.9	39
104	Association Between Elevated Mean Arterial Blood Pressure and Neurologic Outcome After Resuscitation From Cardiac Arrest: Results From a Multicenter Prospective Cohort Study. <i>Critical Care Medicine</i> , 2019 , 47, 93-100	1.4	35
103	Plasma Peptidylarginine Deiminase IV Promotes VWF-Platelet String Formation and Accelerates Thrombosis After Vessel Injury. <i>Circulation Research</i> , 2019 , 125, 507-519	15.7	35
102	Diabetes is not associated with increased mortality in emergency department patients with sepsis. <i>Annals of Emergency Medicine</i> , 2011 , 58, 438-44	2.1	34
101	Isolated prehospital hypotension after traumatic injuries: a predictor of mortality?. <i>Journal of Emergency Medicine</i> , 2003 , 25, 175-9	1.5	34
100	Sepsis-3 Septic Shock Criteria and Associated Mortality Among Infected Hospitalized Patients Assessed by a Rapid Response Team. <i>Chest</i> , 2018 , 154, 309-316	5.3	34
99	Risk of Intracranial Hemorrhage in Ground-level Fall With Antiplatelet or Anticoagulant Agents. <i>Academic Emergency Medicine</i> , 2017 , 24, 1258-1266	3.4	33
98	Multicenter observational study of the development of progressive organ dysfunction and therapeutic interventions in normotensive sepsis patients in the emergency department. <i>Academic Emergency Medicine</i> , 2013 , 20, 433-40	3.4	33
97	Mitochondrial Dysfunction, Depleted Purinergic Signaling, and Defective T Cell Vigilance and Immune Defense. <i>Journal of Infectious Diseases</i> , 2016 , 213, 456-64	7	32
96	Quick Sequential Organ Failure Assessment and Systemic Inflammatory Response Syndrome Criteria as Predictors of Critical Care Intervention Among Patients With Suspected Infection. <i>Critical Care Medicine</i> , 2017 , 45, 1813-1819	1.4	32

95	Diagnostic Accuracy of FebriDx: A Rapid Test to Detect Immune Responses to Viral and Bacterial Upper Respiratory Infections. <i>Journal of Clinical Medicine</i> , 2017 , 6,	5.1	32
94	Microcirculatory perfusion disturbances in septic shock: results from the ProCESS trial. <i>Critical Care</i> , 2018 , 22, 308	10.8	32
93	Sublingual microcirculation is impaired in post-cardiac arrest patients. <i>Resuscitation</i> , 2013 , 84, 1717-22	4	31
92	Relationship Between Alternative Resuscitation Strategies, Host Response and Injury Biomarkers, and Outcome in Septic Shock: Analysis of the Protocol-Based Care for Early Septic Shock Study. <i>Critical Care Medicine</i> , 2017 , 45, 438-445	1.4	29
91	Discordance between microcirculatory alterations and arterial pressure in patients with hemodynamic instability. <i>Journal of Critical Care</i> , 2012 , 27, 531.e1-7	4	29
90	Serum lactate is a better predictor of short-term mortality when stratified by C-reactive protein in adult emergency department patients hospitalized for a suspected infection. <i>Annals of Emergency Medicine</i> , 2011 , 57, 291-5	2.1	28
89	Evaluation of a combined MxA and CRP point-of-care immunoassay to identify viral and/or bacterial immune response in patients with acute febrile respiratory infection. <i>European Clinical Respiratory Journal</i> , 2015 , 2, 28245	2	27
88	Relationship between B-type natriuretic peptide and adverse outcome in patients with clinical evidence of sepsis presenting to the emergency department. <i>Academic Emergency Medicine</i> , 2011 , 18, 219-22	3.4	27
87	Evaluation of end-tidal carbon dioxide role in predicting elevated SOFA scores and lactic acidosis. <i>Internal and Emergency Medicine</i> , 2009 , 4, 41-4	3.7	27
86	The reliability and validity of passive leg raise and fluid bolus to assess fluid responsiveness in spontaneously breathing emergency department patients. <i>Journal of Critical Care</i> , 2015 , 30, 217.e1-5	4	26
85	A blueprint for a sepsis protocol. <i>Academic Emergency Medicine</i> , 2005 , 12, 352-9	3.4	26
84	Partial pressure of arterial carbon dioxide after resuscitation from cardiac arrest and neurological outcome: A prospective multi-center protocol-directed cohort study. <i>Resuscitation</i> , 2019 , 135, 212-220	4	26
83	Initial management of septic patients with hyperglycemia in the noncritical care inpatient setting. <i>American Journal of Medicine</i> , 2012 , 125, 670-8	2.4	25
82	Skin biopsies demonstrate site-specific endothelial activation in mouse models of sepsis. <i>Journal of Vascular Research</i> , 2009 , 46, 495-502	1.9	25
81	The microcirculation as a diagnostic and therapeutic target in sepsis. <i>Internal and Emergency Medicine</i> , 2009 , 4, 413-8	3.7	25
80	A prospective, multi-centre US clinical trial to determine accuracy of FebriDx point-of-care testing for acute upper respiratory infections with and without a confirmed fever. <i>Annals of Medicine</i> , 2018 , 50, 420-429	1.5	25
79	N-acetylcysteine plus intravenous fluids versus intravenous fluids alone to prevent contrast-induced nephropathy in emergency computed tomography. <i>Annals of Emergency Medicine</i> , 2013 , 62, 511-520.e25	2.1	24
78	Hospital variations in severe sepsis mortality. <i>American Journal of Medical Quality</i> , 2015 , 30, 328-36	1.1	23

77	Risk factors for death in elderly emergency department patients with suspected infection. <i>Journal of the American Geriatrics Society</i> , 2009 , 57, 1184-90	5.6	22
76	Discharge diagnoses versus medical record review in the identification of community-acquired sepsis. <i>Critical Care</i> , 2015 , 19, 42	10.8	20
75	Mildly elevated lactate levels are associated with microcirculatory flow abnormalities and increased mortality: a microSOAP post hoc analysis. <i>Critical Care</i> , 2017 , 21, 255	10.8	20
74	Impact of transfusion of autologous 7- versus 42-day-old AS-3 red blood cells on tissue oxygenation and the microcirculation in healthy volunteers. <i>Transfusion</i> , 2012 , 52, 2459-64	2.9	19
73	Adiponectin diminishes organ-specific microvascular endothelial cell activation associated with sepsis. <i>Shock</i> , 2012 , 37, 392-8	3.4	18
72	The microcirculation is preserved in emergency department low-acuity sepsis patients without hypotension. <i>Academic Emergency Medicine</i> , 2014 , 21, 154-62	3.4	17
71	Sepsis and the broken endothelium. <i>Critical Care</i> , 2011 , 15, 135	10.8	17
70	Effect of Levocarnitine vs Placebo as an Adjunctive Treatment for Septic Shock: The Rapid Administration of Carnitine in Sepsis (RACE) Randomized Clinical Trial. <i>JAMA Network Open</i> , 2018 , 1, e186076	10.4	17
69	Effectiveness of SARS-CoV-2 mRNA Vaccines for Preventing Covid-19 Hospitalizations in the United States 2021 ,		17
68	Review article: Sepsis in the emergency department - Part 1: Definitions and outcomes. <i>EMA - Emergency Medicine Australasia</i> , 2017 , 29, 619-625	1.5	16
67	Anion gap as a screening tool for elevated lactate in patients with an increased risk of developing sepsis in the Emergency Department. <i>Journal of Emergency Medicine</i> , 2009 , 36, 391-4	1.5	16
66	Derivation of Novel Risk Prediction Scores for Community-Acquired Sepsis and Severe Sepsis. <i>Critical Care Medicine</i> , 2016 , 44, 1285-94	1.4	16
65	Comparison of Emergency Medicine Malpractice Cases Involving Residents to Nonresident Cases. <i>Academic Emergency Medicine</i> , 2018 , 25, 980-986	3.4	15
64	Serum Lactate Predicts Adverse Outcomes in Emergency Department Patients With and Without Infection. <i>Western Journal of Emergency Medicine</i> , 2017 , 18, 258-266	3.3	15
63	Preventing Hospitalization in Mild Acute Pancreatitis Using a Clinical Pathway in the Emergency Department. <i>Journal of Clinical Gastroenterology</i> , 2018 , 52, 734-741	3	15
62	Lipopolysaccharide suppresses T cells by generating extracellular ATP that impairs their mitochondrial function via P2Y11 receptors. <i>Journal of Biological Chemistry</i> , 2019 , 294, 6283-6293	5.4	14
61	Detection of microRNAs in patients with sepsis. <i>Journal of Acute Disease</i> , 2015 , 4, 101-106	0.9	13
60	Lactate Clearance in Septic Shock Is Not a Surrogate for Improved Microcirculatory Flow. <i>Academic Emergency Medicine</i> , 2016 , 23, 690-3	3.4	13

59	Validation of the Emergency Severity Index (Version 4) for the Triage of Adult Emergency Department Patients With Active Cancer. <i>Journal of Emergency Medicine</i> , 2019 , 57, 354-361	1.5	12
58	Age-related differences in biomarkers of acute inflammation during hospitalization for sepsis. <i>Shock</i> , 2014 , 42, 99-107	3.4	12
57	Abnormal coagulation tests obtained in the emergency department are associated with mortality in patients with suspected infection. <i>Journal of Emergency Medicine</i> , 2012 , 42, 127-32	1.5	12
56	Ligation of Glycophorin A Generates Reactive Oxygen Species Leading to Decreased Red Blood Cell Function. <i>PLoS ONE</i> , 2016 , 11, e0141206	3.7	12
55	Patient-reported Outcomes from A National, Prospective, Observational Study of Emergency Department Acute Pain Management With an Intranasal Nonsteroidal Anti-inflammatory Drug, Opioids, or Both. <i>Academic Emergency Medicine</i> , 2016 , 23, 331-41	3.4	12
54	Association of Diabetes and Insulin Therapy With Risk of Hospitalization for Infection and 28-Day Mortality Risk. <i>Clinical Infectious Diseases</i> , 2017 , 64, 435-442	11.6	12
53	In vivo quantification of rolling and adhered leukocytes in human sepsis. <i>Critical Care</i> , 2018 , 22, 240	10.8	10
52	PCSK9 loss-of-function variants and risk of infection and sepsis in the Reasons for Geographic and Racial Differences in Stroke (REGARDS) cohort. <i>PLoS ONE</i> , 2019 , 14, e0210808	3.7	9
51	Chronic Statin Use and Long-Term Rates of Sepsis: A Population-Based Cohort Study. <i>Journal of Intensive Care Medicine</i> , 2016 , 31, 386-96	3.3	9
50	The impact of red blood cell storage duration on tissue oxygenation in cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017 , 153, 610-619.e2	1.5	9
49	Derivation and Validation of Predictive Factors for Clinical Deterioration after Admission in Emergency Department Patients Presenting with Abnormal Vital Signs Without Shock. <i>Western Journal of Emergency Medicine</i> , 2015 , 16, 1059-66	3.3	9
48	Interleukin-6 improves infection identification when added to physician judgment during evaluation of potentially septic patients. <i>American Journal of Emergency Medicine</i> , 2020 , 38, 947-952	2.9	9
47	Defining the diagnostic value of hyperlipasemia for acute pancreatitis in the critically ill. <i>Pancreatology</i> , 2017 , 17, 176-181	3.8	8
46	Perioperative Quality Initiative (POQI) consensus statement on fundamental concepts in perioperative fluid management: fluid responsiveness and venous capacitance. <i>Perioperative Medicine (London, England)</i> , 2020 , 9, 12	2.8	8
45	Comparison of 1-Day Emergency Department Observation and Inpatient Ward for 1-Day Admissions in Syncope Patients. <i>Journal of Emergency Medicine</i> , 2016 , 50, 217-22	1.5	8
44	Surviving sepsis outside the intensive care unit. <i>Critical Care Medicine</i> , 2007 , 35, 1422-3	1.4	8
43	Passive Immunity Trial for Our Nation (PassITON): study protocol for a randomized placebo-control clinical trial evaluating COVID-19 convalescent plasma in hospitalized adults. <i>Trials</i> , 2021 , 22, 221	2.8	8
42	Helpful Only When Elevated: Initial Serum Lactate in Stable Emergency Department Patients with Sepsis Is Specific, but Not Sensitive for Future Deterioration. <i>Journal of Emergency Medicine</i> , 2018 , 54, 766-773	1.5	7

41	Complement Deposition on the Surface of RBC After Trauma Serves a Biomarker of Moderate Trauma Severity: A Prospective Study. <i>Shock</i> , 2020 , 53, 16-23	3.4	7
40	Physician Judgment and Circulating Biomarkers Predict 28-Day Mortality in Emergency Department Patients. <i>Critical Care Medicine</i> , 2019 , 47, 1513-1521	1.4	7
39	Number of organ dysfunctions predicts mortality in emergency department patients with suspected infection: a multicenter validation study. <i>European Journal of Emergency Medicine</i> , 2017 , 24, 176-182	2.3	6
38	Echocardiographic assessment of insulin-like growth factor binding protein-7 and early identification of acute heart failure. <i>ESC Heart Failure</i> , 2020 , 7, 1664-1675	3.7	6
37	Barriers to the use of outpatient enoxaparin therapy in patients with deep venous thrombosis. <i>American Journal of Emergency Medicine</i> , 2005 , 23, 30-4	2.9	6
36	Development of a Deep Learning Network to Classify Inferior Vena Cava Collapse to Predict Fluid Responsiveness. <i>Journal of Ultrasound in Medicine</i> , 2021 , 40, 1495-1504	2.9	6
35	Identification of Hypotensive Emergency Department Patients with Cardiogenic Etiologies. <i>Shock</i> , 2018 , 49, 131-136	3.4	6
34	Observation vs admission in syncope: can we predict short length of stays?. <i>American Journal of Emergency Medicine</i> , 2015 , 33, 1684-6	2.9	5
33	Goal-Directed Resuscitation in Septic Shock: A Critical Analysis. <i>Clinics in Chest Medicine</i> , 2016 , 37, 231-9	5.3	5
32	Influenza Vaccine Effectiveness for Prevention of Severe Influenza-Associated Illness Among Adults in the United States, 2019-2020: A Test-Negative Study. <i>Clinical Infectious Diseases</i> , 2021 , 73, 1459-1468 ⁵	11.6	5
31	Developing a pulse oximetry home monitoring protocol for patients suspected with COVID-19 after emergency department discharge. <i>BMJ Health and Care Informatics</i> , 2021 , 28,	2.6	5
30	The Potential Role of Ultrasound in the Work-up of Appendicitis in the Emergency Department. <i>Journal of Emergency Medicine</i> , 2019 , 56, 191-196	1.5	5
29	New Uses for Thromboelastography and Other Forms of Viscoelastic Monitoring in the Emergency Department: A Narrative Review. <i>Annals of Emergency Medicine</i> , 2021 , 77, 357-366	2.1	5
28	The utility of emergency department physical therapy and case management consultation in reducing hospital admissions. <i>Journal of the American College of Emergency Physicians Open</i> , 2020 , 1, 880-886	1.6	4
27	Incorporating Real-time Influenza Detection Into the Test-negative Design for Estimating Influenza Vaccine Effectiveness: The Real-time Test-negative Design (rtTND). <i>Clinical Infectious Diseases</i> , 2021 , 72, 1669-1675	11.6	4
26	Tie2 activation protects against prothrombotic endothelial dysfunction in COVID-19. <i>JCI Insight</i> , 2021 , 6,	9.9	4
25	Comparing Ran-Out Status of Inhaled Short-Acting Beta-Agonists in Emergency Department Patients with Acute Asthma: 1996-1998 versus 2015-2017. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018 , 6, 1999-2005.e3	5.4	3
24	Multiplexed Plasma Immune Mediator Signatures Can Differentiate Sepsis From NonInfective SIRS: American Surgical Association 2020 Annual Meeting Paper. <i>Annals of Surgery</i> , 2020 , 272, 604-610	7.8	3

23	A Novel Implementation of Magnetic Levitation to Quantify Leukocyte Size, Morphology, and Magnetic Properties to Identify Patients With Sepsis. <i>Shock</i> , 2019 , 51, 147-152	3.4	3
22	Use of Biomarkers to Identify Acute Kidney Injury to Help Detect Sepsis in Patients With Infection. <i>Critical Care Medicine</i> , 2021 , 49, e360-e368	1.4	3
21	Cancer pain management in the emergency department: a multicenter prospective observational trial of the Comprehensive Oncologic Emergencies Research Network (CONCERN). <i>Supportive Care in Cancer</i> , 2021 , 29, 4543-4553	3.9	3
20	Machine Learning Algorithms for Classification of Microcirculation Images from Septic and Non-septic Patients 2018 ,		3
19	Effect of Early High-Dose Vitamin D3 Repletion on Cognitive Outcomes in Critically Ill Adults. <i>Chest</i> , 2021 , 160, 909-918	5.3	3
18	Fluid-limiting treatment strategies among sepsis patients in the ICU: a retrospective causal analysis. <i>Critical Care</i> , 2020 , 24, 62	10.8	2
17	Predicting Prolonged Intensive Care Unit Stay Among Patients With Sepsis-Induced Hypotension. <i>American Journal of Critical Care</i> , 2019 , 28, e1-e7	1.7	2
16	2013 ,		2
15	Effectiveness of mRNA vaccines in preventing COVID-19 hospitalization by age and burden of chronic medical conditions among immunocompetent US adults, March-August 2021.. <i>Journal of Infectious Diseases</i> , 2021 ,	7	2
14	Modeling the impacts of clinical influenza testing on influenza vaccine effectiveness estimates. <i>Journal of Infectious Diseases</i> , 2021 ,	7	2
13	The 10 signs telling me that my cancer patient in the emergency department is at high risk of becoming critically ill. <i>Intensive Care Medicine</i> , 2018 , 44, 2315-2318	14.5	2
12	Validation of the REGARDS Severe Sepsis Risk Score. <i>Journal of Clinical Medicine</i> , 2018 , 7,	5.1	2
11	Influenza vaccine acceptance and hesitancy among adults hospitalized with severe acute respiratory illnesses, United States 2019-2020. <i>Vaccine</i> , 2021 , 39, 5271-5276	4.1	2
10	Sepsis Syndromes 2010 , 1848-1858		1
9	Charge Reductions Associated With Shorter Time to Recovery in Septic Shock. <i>Chest</i> , 2019 , 155, 315-321	5.3	1
8	Adults Hospitalized With Coronavirus Disease 2019 (COVID-19)-United States, March-June and October-December 2020: Implications for the Potential Effects of COVID-19 Tier-1 Vaccination on Future Hospitalizations and Outcomes. <i>Clinical Infectious Diseases</i> , 2021 , 73, S32-S37	11.6	0
7	In reply. <i>Annals of Emergency Medicine</i> , 2017 , 70, 601	2.1	
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