

Michael A Puskarich

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.

99 papers	2,769 citations	27 h-index	51 g-index
115 ext. papers	4,279 ext. citations	4 avg, IF	5.3 L-index

#	Paper	IF	Citations
99	The Impact of Timing of Antibiotics on Outcomes in Severe Sepsis and Septic Shock: A Systematic Review and Meta-Analysis. <i>Critical Care Medicine</i> , 2015 , 43, 1907-15	1.4	265
98	Association between timing of antibiotic administration and mortality from septic shock in patients treated with a quantitative resuscitation protocol. <i>Critical Care Medicine</i> , 2011 , 39, 2066-71	1.4	265
97	Surviving sepsis campaign: international guidelines for management of sepsis and septic shock 2021. <i>Intensive Care Medicine</i> , 2021 , 47, 1181-1247	14.5	199
96	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock 2021. <i>Critical Care Medicine</i> , 2021 , 49, e1063-e1143	1.4	131
95	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
94	Biomarkers of endothelial cell activation in early sepsis. <i>Shock</i> , 2013 , 39, 427-32	3.4	98
93	Outcomes of patients undergoing early sepsis resuscitation for cryptic shock compared with overt shock. <i>Resuscitation</i> , 2011 , 82, 1289-93	4	97
92	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
91	Understanding the renin-angiotensin-aldosterone-SARS-CoV axis: a comprehensive review. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	91
90	One year mortality of patients treated with an emergency department based early goal directed therapy protocol for severe sepsis and septic shock: a before and after study. <i>Critical Care</i> , 2009 , 13, R167	10.8	85
89	Prognostic value and agreement of achieving lactate clearance or central venous oxygen saturation goals during early sepsis resuscitation. <i>Academic Emergency Medicine</i> , 2012 , 19, 252-8	3.4	65
88	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
87	Antihypertensive drugs and risk of COVID-19?. <i>Lancet Respiratory Medicine</i> , 2020 , 8, e30-e31	35.1	58
86	Plasma syndecan-1 levels identify a cohort of patients with severe sepsis at high risk for intubation after large-volume intravenous fluid resuscitation. <i>Journal of Critical Care</i> , 2016 , 36, 125-129	4	57
85	The Impact of the Sepsis-3 Septic Shock Definition on Previously Defined Septic Shock Patients. <i>Critical Care Medicine</i> , 2017 , 45, 1436-1442	1.4	56
84	Prognosis of emergency department patients with suspected infection and intermediate lactate levels: a systematic review. <i>Journal of Critical Care</i> , 2014 , 29, 334-9	4	52
83	Pharmacometabolomics of l-carnitine treatment response phenotypes in patients with septic shock. <i>Annals of the American Thoracic Society</i> , 2015 , 12, 46-56	4.7	48

82	The Surviving Sepsis Campaign guidelines 2012: update for emergency physicians. <i>Annals of Emergency Medicine</i> , 2014 , 63, 35-47	2.1	47
81	Whole Blood Reveals More Metabolic Detail of the Human Metabolome than Serum as Measured by 1H-NMR Spectroscopy: Implications for Sepsis Metabolomics. <i>Shock</i> , 2015 , 44, 200-8	3.4	46
80	Sepsis-induced tissue hypoperfusion. <i>Critical Care Clinics</i> , 2009 , 25, 769-79, ix	4.5	43
79	Plasma levels of mitochondrial DNA in patients presenting to the emergency department with sepsis. <i>Shock</i> , 2012 , 38, 337-40	3.4	41
78	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
77	The effect of liver disease on lactate normalization in severe sepsis and septic shock: a cohort study. <i>Clinical and Experimental Emergency Medicine</i> , 2015 , 2, 197-202	1.7	35
76	Plasma Glycoproteomics Reveals Sepsis Outcomes Linked to Distinct Proteins in Common Pathways. <i>Critical Care Medicine</i> , 2015 , 43, 2049-2058	1.4	34
75	Metabolomics as a Driver in Advancing Precision Medicine in Sepsis. <i>Pharmacotherapy</i> , 2017 , 37, 1023-1038	3.8	33
74	Preliminary safety and efficacy of L-carnitine infusion for the treatment of vasopressor-dependent septic shock: a randomized control trial. <i>Journal of Parenteral and Enteral Nutrition</i> , 2014 , 38, 736-43	4.2	32
73	Executive Summary: Surviving Sepsis Campaign: International Guidelines for the Management of Sepsis and Septic Shock 2021. <i>Critical Care Medicine</i> , 2021 , 49, 1974-1982	1.4	31
72	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
71	Characteristics and outcomes of patients with vasoplegic versus tissue dysoxic septic shock. <i>Shock</i> , 2013 , 40, 11-4	3.4	25
70	Use of Emergency Medicine Milestones as Items on End-of-Shift Evaluations Results in Overestimates of Residents' Proficiency Level. <i>Journal of Graduate Medical Education</i> , 2015 , 7, 192-6	1.6	21
69	A multi-center phase II randomized clinical trial of losartan on symptomatic outpatients with COVID-19. <i>EClinicalMedicine</i> , 2021 , 37, 100957	11.3	21
68	Early alterations in platelet mitochondrial function are associated with survival and organ failure in patients with septic shock. <i>Journal of Critical Care</i> , 2016 , 31, 63-7	4	20
67	Clinical predictors of early death from sepsis. <i>Journal of Critical Care</i> , 2017 , 42, 30-34	4	20
66	mTOR inhibition in COVID-19: A commentary and review of efficacy in RNA viruses. <i>Journal of Medical Virology</i> , 2021 , 93, 1843-1846	19.7	19
65	Emergency management of severe sepsis and septic shock. <i>Current Opinion in Critical Care</i> , 2012 , 18, 295-300	3.5	18

64	Inhaled nitric oxide to treat intermediate risk pulmonary embolism: A multicenter randomized controlled trial. <i>Nitric Oxide - Biology and Chemistry</i> , 2019 , 84, 60-68	5	18
63	Development of a Simple Sequential Organ Failure Assessment Score for Risk Assessment of Emergency Department Patients With Sepsis. <i>Journal of Intensive Care Medicine</i> , 2020 , 35, 270-278	3.3	18
62	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
61	Platelet hyperactivation, apoptosis and hypercoagulability in patients with acute pulmonary embolism. <i>Thrombosis Research</i> , 2017 , 155, 106-115	8.2	16
60	Prognostic value of incremental lactate elevations in emergency department patients with suspected infection. <i>Academic Emergency Medicine</i> , 2012 , 19, 983-5	3.4	16
59	Effect of glucose-insulin-potassium infusion on mortality in critical care settings: a systematic review and meta-analysis. <i>Journal of Clinical Pharmacology</i> , 2009 , 49, 758-67	2.9	16
58	Randomized trial of inhaled nitric oxide to treat acute pulmonary embolism: The iNOPE trial. <i>American Heart Journal</i> , 2017 , 186, 100-110	4.9	15
57	Septic Shock Nonsurvivors Have Persistently Elevated Acylcarnitines Following Carnitine Supplementation. <i>Shock</i> , 2018 , 49, 412-419	3.4	15
56	Rapid, Reproducible, Quantifiable NMR Metabolomics: Methanol and Methanol: Chloroform Precipitation for Removal of Macromolecules in Serum and Whole Blood. <i>Metabolites</i> , 2018 , 8,	5.6	14
55	Detection of microRNAs in patients with sepsis. <i>Journal of Acute Disease</i> , 2015 , 4, 101-106	0.9	13
54	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
53	Metformin and Covid-19: Focused Review of Mechanisms and Current Literature Suggesting Benefit. <i>Frontiers in Endocrinology</i> , 2021 , 12, 587801	5.7	12
52	Systematic Molecular Phenotyping: A Path Toward Precision Emergency Medicine?. <i>Academic Emergency Medicine</i> , 2016 , 23, 1097-1106	3.4	12
51	Sepsis-induced tissue hypoperfusion. <i>Critical Care Nursing Clinics of North America</i> , 2011 , 23, 115-25	1.5	11
50	Clinical prediction rule for SARS-CoV-2 infection from 116 U.S. emergency departments 2-22-2021. <i>PLoS ONE</i> , 2021 , 16, e0248438	3.7	11
49	Serum citrullinated histone H3 concentrations differentiate patients with septic versus non-septic shock and correlate with disease severity. <i>Infection</i> , 2021 , 49, 83-93	5.8	10
48	Efficacy of Losartan in Hospitalized Patients With COVID-19-Induced Lung Injury: A Randomized Clinical Trial.. <i>JAMA Network Open</i> , 2022 , 5, e222735	10.4	10
47	Extracorporeal Membrane Oxygenation for Poisonings Reported to U.S. Poison Centers from 2000 to 2018: An Analysis of the National Poison Data System. <i>Critical Care Medicine</i> , 2020 , 48, 1111-1119	1.4	9

46	Sequential Organ Failure Assessment Component Score Prediction of In-hospital Mortality From Sepsis. <i>Journal of Intensive Care Medicine</i> , 2020 , 35, 810-817	3.3	9
45	Fisetin for COVID-19 in skilled nursing facilities: Senolytic trials in the COVID era. <i>Journal of the American Geriatrics Society</i> , 2021 , 69, 3023-3033	5.6	9
44	Is lactate the "Holy Grail" of biomarkers for sepsis prognosis?. <i>Critical Care Medicine</i> , 2009 , 37, 1812-3	1.4	8
43	Time to vasopressor initiation and organ failure progression in early septic shock. <i>Journal of the American College of Emergency Physicians Open</i> , 2020 , 1, 222-230	1.6	8
42	Untargeted Metabolomics Differentiates L-Carnitine Treated Septic Shock 1-Year Survivors and Nonsurvivors. <i>Journal of Proteome Research</i> , 2019 , 18, 2004-2011	5.6	7
41	The association of near infrared spectroscopy-derived StO ₂ measurements and biomarkers of endothelial activation in sepsis. <i>Internal and Emergency Medicine</i> , 2013 , 8, 529-36	3.7	6
40	The effect of etomidate on mortality in sepsis remains unclear. <i>Critical Care Medicine</i> , 2013 , 41, e95	1.4	6
39	Development of a Clinical Teaching Evaluation and Feedback Tool for Faculty. <i>Western Journal of Emergency Medicine</i> , 2019 , 20, 50-57	3.3	6
38	Improving perceptions of empathy in patients undergoing low-yield computerized tomographic imaging in the emergency department. <i>Patient Education and Counseling</i> , 2018 , 101, 717-722	3.1	5
37	Serum Levels of Branched Chain Amino Acids Predict Duration of Cardiovascular Organ Failure in Septic Shock. <i>Shock</i> , 2021 , 56, 65-72	3.4	5
36	Prehospital treatment of sepsis: what really makes the "golden hour" golden?. <i>Critical Care</i> , 2014 , 18, 697	10.8	4
35	Association between persistent tachycardia and tachypnea and in-hospital mortality among non-hypotensive emergency department patients admitted to the hospital. <i>Clinical and Experimental Emergency Medicine</i> , 2017 , 4, 2-9	1.7	4
34	Using L-Carnitine as a Pharmacologic Probe of the Interpatient and Metabolic Variability of Sepsis. <i>Pharmacotherapy</i> , 2020 , 40, 913-923	5.8	4
33	Validation of a 5-item tool to measure patient assessment of clinician compassion in the emergency department. <i>BMC Emergency Medicine</i> , 2019 , 19, 63	2.4	4
32	Phosphatidylserine expressing platelet microparticle levels at hospital presentation are decreased in sepsis non-survivors and correlate with thrombocytopenia. <i>Thrombosis Research</i> , 2018 , 168, 138-144	8.2	4
31	Priorities to Overcome Barriers Impacting Data Science Application in Emergency Care Research. <i>Academic Emergency Medicine</i> , 2019 , 26, 97-105	3.4	3
30	The effect of early quantitative resuscitation on organ function in survivors of septic shock. <i>Journal of Critical Care</i> , 2015 , 30, 261-3	4	3
29	Sources of Distress and Coping Strategies Among Emergency Physicians During COVID-19. <i>Western Journal of Emergency Medicine</i> , 2021 , 22, 1240-1252	3.3	3

28	The Use of Electronic Consent for COVID-19 Clinical Trials: Lessons for Emergency Care Research During a Pandemic and Beyond. <i>Academic Emergency Medicine</i> , 2020 , 27, 1183-1186	3.4	3
27	A Multilevel Bayesian Approach to Improve Effect Size Estimation in Regression Modeling of Metabolomics Data Utilizing Imputation with Uncertainty. <i>Metabolites</i> , 2020 , 10,	5.6	3
26	Most emergency department patients meeting sepsis criteria are not diagnosed with sepsis at discharge. <i>Academic Emergency Medicine</i> , 2021 , 28, 745-752	3.4	3
25	Pharmacometabolomics identifies candidate predictor metabolites of an L-carnitine treatment mortality benefit in septic shock. <i>Clinical and Translational Science</i> , 2021 , 14, 2288-2299	4.9	3
24	A decision tree incorporating biomarkers and patient characteristics estimates mortality risk for adults with septic shock. <i>Evidence-based Nursing</i> , 2015 , 18, 42	0.3	2
23	The authors reply. <i>Critical Care Medicine</i> , 2016 , 44, e235-6	1.4	2
22	Air Ambulance Delivery and Administration of Four-factor Prothrombin Complex Concentrate Is Feasible and Decreases Time to Anticoagulation Reversal. <i>Academic Emergency Medicine</i> , 2018 , 25, 33-40	3.4	2
21	Utilizing Geographic Information Systems to Identify Clusters of Severe Sepsis Patients Presenting in the Out-of-Hospital Environment. <i>Prehospital Emergency Care</i> , 2016 , 20, 200-5	2.8	2
20	Circulating Complement C3-Alpha Chain Levels Predict Survival of Septic Shock Patients. <i>Shock</i> , 2020 , 54, 190-197	3.4	2
19	Group IIA secretory phospholipase 2 independently predicts mortality and positive blood culture in emergency department sepsis patients. <i>Journal of the American College of Emergency Physicians Open</i> , 2021 , 2, e12460	1.6	2
18	The authors reply. <i>Critical Care Medicine</i> , 2016 , 44, e110	1.4	2
17	Inhaled nitric oxide to control platelet hyper-reactivity in patients with acute submassive pulmonary embolism. <i>Nitric Oxide - Biology and Chemistry</i> , 2020 , 96, 20-28	5	1
16	The authors reply. <i>Critical Care Medicine</i> , 2016 , 44, e1004-5	1.4	1
15	What Is the Prognosis of Nontraumatic Hypotension and Shock in the Out-of-Hospital and Emergency Department Setting?. <i>Annals of Emergency Medicine</i> , 2016 , 67, 114-6	2.1	1
14	Serum Levels of Acylcarnitines and Amino Acids Are Associated with Liberation from Organ Support in Patients with Septic Shock.. <i>Journal of Clinical Medicine</i> , 2022 , 11,	5.1	1
13	A fast, resource efficient, and reliable rule-based system for COVID-19 symptom identification. <i>JAMIA Open</i> , 2021 , 4, ooab070	2.9	1
12	Vaccination Against SARS-CoV-2 Is Associated With a Lower Viral Load and Likelihood of Systemic Symptoms.. <i>Open Forum Infectious Diseases</i> , 2022 , 9, ofac066	1	1
11	Predicting 30-day return hospital admissions in patients with COVID-19 discharged from the emergency department: A national retrospective cohort study.. <i>Journal of the American College of Emergency Physicians Open</i> , 2021 , 2, e12595	1.6	1

10	A 12-hospital prospective evaluation of a clinical decision support prognostic algorithm based on logistic regression as a form of machine learning to facilitate decision making for patients with suspected COVID-19.. <i>PLoS ONE</i> , 2022 , 17, e0262193	3.7	o
9	Perception of Physician Empathy Varies With Educational Level and Gender of Patients Undergoing Low-Yield Computerized Tomographic Imaging. <i>Journal of Patient Experience</i> , 2020 , 7, 386-394	1.3	o
8	Association of hospital closures with changes in Medicare-covered ambulance trips among rural emergency medical services agencies. <i>Academic Emergency Medicine</i> , 2021 , 28, 1070-1072	3.4	o
7	Quantitative and Qualitative Assessments of Cholesterol Association With Bacterial Infection Type in Sepsis and Septic Shock. <i>Journal of Intensive Care Medicine</i> , 2021 , 36, 808-817	3.3	o
6	The authors reply. <i>Critical Care Medicine</i> , 2016 , 44, e237	1.4	
5	The authors reply. <i>Critical Care Medicine</i> , 2018 , 46, e273-e274	1.4	
4	The authors reply. <i>Critical Care Medicine</i> , 2016 , 44, e1017-8	1.4	
3	The authors reply. <i>Critical Care Medicine</i> , 2017 , 45, e243-e244	1.4	
2	1609: ASSOCIATION OF CHOLESTEROL LEVELS WITH BACTERIAL INFECTION TYPE IN SEPSIS AND SEPTIC SHOCK. <i>Critical Care Medicine</i> , 2020 , 48, 780-780	1.4	
1	This Article Corrects: "Sources of Distress and Coping Strategies Among Emergency Physicians During COVID-19".. <i>Western Journal of Emergency Medicine</i> , 2022 , 23, 291	3.3	