Michael A Puskarich

List of Publications by Year in Descending Order

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	Serum Levels of Acylcarnitines and Amino Acids Are Associated with Liberation from Organ Support in Patients with Septic Shock.. *Journal of Clinical Medicine*, **2022**, 11,	5.1	1
98	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.. *PLoS ONE*, **2022**, 17, e0262193	3.7	0
97	Vaccination Against SARS-CoV-2 Is Associated With a Lower Viral Load and Likelihood of Systemic Symptoms.. *Open Forum Infectious Diseases*, **2022**, 9, ofac066	1	1
96	Efficacy of Losartan in Hospitalized Patients With COVID-19-Induced Lung Injury: A Randomized Clinical Trial.. *JAMA Network Open*, **2022**, 5, e222735	10.4	10
95	This Article Corrects: "Sources of Distress and Coping Strategies Among Emergency Physicians During COVID-19".. *Western Journal of Emergency Medicine*, **2022**, 23, 291	3.3	
94	Sources of Distress and Coping Strategies Among Emergency Physicians During COVID-19. *Western Journal of Emergency Medicine*, **2021**, 22, 1240-1252	3.3	3
93	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock 2021. *Critical Care Medicine*, **2021**, 49, e1063-e1143	1.4	131
92	Executive Summary: Surviving Sepsis Campaign: International Guidelines for the Management of Sepsis and Septic Shock 2021. *Critical Care Medicine*, **2021**, 49, 1974-1982	1.4	31
91	Surviving sepsis campaign: international guidelines for management of sepsis and septic shock 2021. *Intensive Care Medicine*, **2021**, 47, 1181-1247	14.5	199
90	Serum Levels of Branched Chain Amino Acids Predict Duration of Cardiovascular Organ Failure in Septic Shock. *Shock*, **2021**, 56, 65-72	3.4	5
89	Clinical prediction rule for SARS-CoV-2 infection from 116 U.S. emergency departments 2-22-2021. *PLoS ONE*, **2021**, 16, e0248438	3.7	11
88	Most emergency department patients meeting sepsis criteria are not diagnosed with sepsis at discharge. *Academic Emergency Medicine*, **2021**, 28, 745-752	3.4	3
87	Association of hospital closures with changes in Medicare-covered ambulance trips among rural emergency medical services agencies. *Academic Emergency Medicine*, **2021**, 28, 1070-1072	3.4	0
86	Group IIA secretory phospholipase 2 independently predicts mortality and positive blood culture in emergency department sepsis patients. *Journal of the American College of Emergency Physicians Open*, **2021**, 2, e12460	1.6	2
85	Pharmacometabolomics identifies candidate predictor metabolites of an L-carnitine treatment mortality benefit in septic shock. *Clinical and Translational Science*, **2021**, 14, 2288-2299	4.9	3
84	A multi-center phase II randomized clinical trial of losartan on symptomatic outpatients with COVID-19. *EClinicalMedicine*, **2021**, 37, 100957	11.3	21
83	A fast, resource efficient, and reliable rule-based system for COVID-19 symptom identification. *JAMIA Open*, **2021**, 4, ooab070	2.9	1

82	Metformin and Covid-19: Focused Review of Mechanisms and Current Literature Suggesting Benefit. *Frontiers in Endocrinology*, **2021**, 12, 587801	5.7	12
81	Quantitative and Qualitative Assessments of Cholesterol Association With Bacterial Infection Type in Sepsis and Septic Shock. *Journal of Intensive Care Medicine*, **2021**, 36, 808-817	3.3	0
80	mTOR inhibition in COVID-19: A commentary and review of efficacy in RNA viruses. *Journal of Medical Virology*, **2021**, 93, 1843-1846	19.7	19
79	Serum citrullinated histone H3 concentrations differentiate patients with septic verses non-septic shock and correlate with disease severity. *Infection*, **2021**, 49, 83-93	5.8	10
78	Fisetin for COVID-19 in skilled nursing facilities: Senolytic trials in the COVID era. *Journal of the American Geriatrics Society*, **2021**, 69, 3023-3033	5.6	9
77	Predicting 30-day return hospital admissions in patients with COVID-19 discharged from the emergency department: A national retrospective cohort study.. *Journal of the American College of Emergency Physicians Open*, **2021**, 2, e12595	1.6	1
76	Antihypertensive drugs and risk of COVID-19?. *Lancet Respiratory Medicine,the*, **2020**, 8, e30-e31	35.1	58
75	Inhaled nitric oxide to control platelet hyper-reactivity in patients with acute submassive pulmonary embolism. *Nitric Oxide - Biology and Chemistry*, **2020**, 96, 20-28	5	1
74	Understanding the renin-angiotensin-aldosterone-SARS-CoV axis: a comprehensive review. *European Respiratory Journal*, **2020**, 56,	13.6	91
73	1609: ASSOCIATION OF CHOLESTEROL LEVELS WITH BACTERIAL INFECTION TYPE IN SEPSIS AND SEPTIC SHOCK. *Critical Care Medicine*, **2020**, 48, 780-780	1.4	
72	Perception of Physician Empathy Varies With Educational Level and Gender of Patients Undergoing Low-Yield Computerized Tomographic Imaging. *Journal of Patient Experience*, **2020**, 7, 386-394	1.3	0
71	Circulating Complement C3-Alpha Chain Levels Predict Survival of Septic Shock Patients. *Shock*, **2020**, 54, 190-197	3.4	2
70	The Use of Electronic Consent for COVID-19 Clinical Trials: Lessons for Emergency Care Research During a Pandemic and Beyond. *Academic Emergency Medicine*, **2020**, 27, 1183-1186	3.4	3
69	Using l-Carnitine as a Pharmacologic Probe of the Interpatient and Metabolic Variability of Sepsis. *Pharmacotherapy*, **2020**, 40, 913-923	5.8	4
68	Time to vasopressor initiation and organ failure progression in early septic shock. *Journal of the American College of Emergency Physicians Open*, **2020**, 1, 222-230	1.6	8
67	Extracorporeal Membrane Oxygenation for Poisonings Reported to U.S. Poison Centers from 2000 to 2018: An Analysis of the National Poison Data System. *Critical Care Medicine*, **2020**, 48, 1111-1119	1.4	9
66	A Multilevel Bayesian Approach to Improve Effect Size Estimation in Regression Modeling of Metabolomics Data Utilizing Imputation with Uncertainty. *Metabolites*, **2020**, 10,	5.6	3
65	Development of a Simple Sequential Organ Failure Assessment Score for Risk Assessment of Emergency Department Patients With Sepsis. *Journal of Intensive Care Medicine*, **2020**, 35, 270-278	3.3	18

64	Sequential Organ Failure Assessment Component Score Prediction of In-hospital Mortality From Sepsis. *Journal of Intensive Care Medicine*, **2020**, 35, 810-817	3.3	9
63	Untargeted Metabolomics Differentiates l-Carnitine Treated Septic Shock 1-Year Survivors and Nonsurvivors. *Journal of Proteome Research*, **2019**, 18, 2004-2011	5.6	7
62	Association Between Elevated Mean Arterial Blood Pressure and Neurologic Outcome After Resuscitation From Cardiac Arrest: Results From a Multicenter Prospective Cohort Study. *Critical Care Medicine*, **2019**, 47, 93-100	1.4	35
61	Priorities to Overcome Barriers Impacting Data Science Application in Emergency Care Research. *Academic Emergency Medicine*, **2019**, 26, 97-105	3.4	3
60	Validation of a 5-item tool to measure patient assessment of clinician compassion in the emergency department. *BMC Emergency Medicine*, **2019**, 19, 63	2.4	4
59	Partial pressure of arterial carbon dioxide after resuscitation from cardiac arrest and neurological outcome: A prospective multi-center protocol-directed cohort study. *Resuscitation*, **2019**, 135, 212-220	4	26
58	Inhaled nitric oxide to treat intermediate risk pulmonary embolism: A multicenter randomized controlled trial. *Nitric Oxide - Biology and Chemistry*, **2019**, 84, 60-68	5	18
57	Development of a Clinical Teaching Evaluation and Feedback Tool for Faculty. *Western Journal of Emergency Medicine*, **2019**, 20, 50-57	3.3	6
56	The authors reply. *Critical Care Medicine*, **2018**, 46, e273-e274	1.4	
55	Association Between Early Hyperoxia Exposure After Resuscitation From Cardiac Arrest and Neurological Disability: Prospective Multicenter Protocol-Directed Cohort Study. *Circulation*, **2018**, 137, 2114-2124	16.7	95
54	Septic Shock Nonsurvivors Have Persistently Elevated Acylcarnitines Following Carnitine Supplementation. *Shock*, **2018**, 49, 412-419	3.4	15
53	Improving perceptions of empathy in patients undergoing low-yield computerized tomographic imaging in the emergency department. *Patient Education and Counseling*, **2018**, 101, 717-722	3.1	5
52	Air Ambulance Delivery and Administration of Four-factor Prothrombin Complex Concentrate Is Feasible and Decreases Time to Anticoagulation Reversal. *Academic Emergency Medicine*, **2018**, 25, 33-40	3.4	2
51	Rapid, Reproducible, Quantifiable NMR Metabolomics: Methanol and Methanol: Chloroform Precipitation for Removal of Macromolecules in Serum and Whole Blood. *Metabolites*, **2018**, 8,	5.6	14
50	Effect of Levocarnitine vs Placebo as an Adjunctive Treatment for Septic Shock: The Rapid Administration of Carnitine in Sepsis (RACE) Randomized Clinical Trial. *JAMA Network Open*, **2018**, 1, e186076	10.4	17
49	Phosphatidylserine expressing platelet microparticle levels at hospital presentation are decreased in sepsis non-survivors and correlate with thrombocytopenia. *Thrombosis Research*, **2018**, 168, 138-144	8.2	4
48	Randomized trial of inhaled nitric oxide to treat acute pulmonary embolism: The iNOPE trial. *American Heart Journal*, **2017**, 186, 100-110	4.9	15
47	An Emergency Department Validation of the SEP-3 Sepsis and Septic Shock Definitions and Comparison With 1992 Consensus Definitions. *Annals of Emergency Medicine*, **2017**, 70, 544-552.e5	2.1	61

46	Platelet hyperactivation, apoptosis and hypercoagulability in patients with acute pulmonary embolism. *Thrombosis Research*, **2017**, 155, 106-115	8.2	16
45	Metabolomics as a Driver in Advancing Precision Medicine in Sepsis. *Pharmacotherapy*, **2017**, 37, 1023-1038	3.8	33
44	The Impact of the Sepsis-3 Septic Shock Definition on Previously Defined Septic Shock Patients. *Critical Care Medicine*, **2017**, 45, 1436-1442	1.4	56
43	The authors reply. *Critical Care Medicine*, **2017**, 45, e243-e244	1.4	
42	Clinical predictors of early death from sepsis. *Journal of Critical Care*, **2017**, 42, 30-34	4	20
41	Association between persistent tachycardia and tachypnea and in-hospital mortality among non-hypotensive emergency department patients admitted to the hospital. *Clinical and Experimental Emergency Medicine*, **2017**, 4, 2-9	1.7	4
40	The authors reply. *Critical Care Medicine*, **2016**, 44, e235-6	1.4	2
39	The authors reply. *Critical Care Medicine*, **2016**, 44, e237	1.4	
38	The authors reply. *Critical Care Medicine*, **2016**, 44, e1004-5	1.4	1
37	The authors reply. *Critical Care Medicine*, **2016**, 44, e1017-8	1.4	
36	Early alterations in platelet mitochondrial function are associated with survival and organ failure in patients with septic shock. *Journal of Critical Care*, **2016**, 31, 63-7	4	20
35	Utilizing Geographic Information Systems to Identify Clusters of Severe Sepsis Patients Presenting in the Out-of-Hospital Environment. *Prehospital Emergency Care*, **2016**, 20, 200-5	2.8	2
34	What Is the Prognosis of Nontraumatic Hypotension and Shock in the Out-of-Hospital and Emergency Department Setting?. *Annals of Emergency Medicine*, **2016**, 67, 114-6	2.1	1
33	Systematic Molecular Phenotyping: A Path Toward Precision Emergency Medicine?. *Academic Emergency Medicine*, **2016**, 23, 1097-1106	3.4	12
32	Plasma syndecan-1 levels identify a cohort of patients with severe sepsis at high risk for intubation after large-volume intravenous fluid resuscitation. *Journal of Critical Care*, **2016**, 36, 125-129	4	57
31	The authors reply. *Critical Care Medicine*, **2016**, 44, e110	1.4	2
30	Lactate Clearance in Septic Shock Is Not a Surrogate for Improved Microcirculatory Flow. *Academic Emergency Medicine*, **2016**, 23, 690-3	3.4	13
29	A decision tree incorporating biomarkers and patient characteristics estimates mortality risk for adults with septic shock. *Evidence-based Nursing*, **2015**, 18, 42	0.3	2

28	Detection of microRNAs in patients with sepsis. *Journal of Acute Disease*, **2015**, 4, 101-106	0.9	13
27	The Impact of Timing of Antibiotics on Outcomes in Severe Sepsis and Septic Shock: A Systematic Review and Meta-Analysis. *Critical Care Medicine*, **2015**, 43, 1907-15	1.4	265
26	Plasma Glycoproteomics Reveals Sepsis Outcomes Linked to Distinct Proteins in Common Pathways. *Critical Care Medicine*, **2015**, 43, 2049-2058	1.4	34
25	Whole Blood Reveals More Metabolic Detail of the Human Metabolome than Serum as Measured by 1H-NMR Spectroscopy: Implications for Sepsis Metabolomics. *Shock*, **2015**, 44, 200-8	3.4	46
24	Use of Emergency Medicine Milestones as Items on End-of-Shift Evaluations Results in Overestimates of ResidentsTProficiency Level. *Journal of Graduate Medical Education*, **2015**, 7, 192-6	1.6	21
23	The effect of early quantitative resuscitation on organ function in survivors of septic shock. *Journal of Critical Care*, **2015**, 30, 261-3	4	3
22	Pharmacometabolomics of l-carnitine treatment response phenotypes in patients with septic shock. *Annals of the American Thoracic Society*, **2015**, 12, 46-56	4.7	48
21	The effect of liver disease on lactate normalization in severe sepsis and septic shock: a cohort study. *Clinical and Experimental Emergency Medicine*, **2015**, 2, 197-202	1.7	35
20	Preliminary safety and efficacy of L-carnitine infusion for the treatment of vasopressor-dependent septic shock: a randomized control trial. *Journal of Parenteral and Enteral Nutrition*, **2014**, 38, 736-43	4.2	32
19	Prognosis of emergency department patients with suspected infection and intermediate lactate levels: a systematic review. *Journal of Critical Care*, **2014**, 29, 334-9	4	52
18	Prehospital treatment of sepsis: what really makes the "golden hour" golden?. *Critical Care*, **2014**, 18, 697	10.8	4
17	The Surviving Sepsis Campaign guidelines 2012: update for emergency physicians. *Annals of Emergency Medicine*, **2014**, 63, 35-47	2.1	47
16	The association of near infrared spectroscopy-derived StO2 measurements and biomarkers of endothelial activation in sepsis. *Internal and Emergency Medicine*, **2013**, 8, 529-36	3.7	6
15	The effect of etomidate on mortality in sepsis remains unclear. *Critical Care Medicine*, **2013**, 41, e95	1.4	6
14	Biomarkers of endothelial cell activation in early sepsis. *Shock*, **2013**, 39, 427-32	3.4	98
13	Whole blood lactate kinetics in patients undergoing quantitative resuscitation for severe sepsis and septic shock. *Chest*, **2013**, 143, 1548-1553	5.3	103
12	Characteristics and outcomes of patients with vasoplegic versus tissue dysoxic septic shock. *Shock*, **2013**, 40, 11-4	3.4	25
11	Prognostic value and agreement of achieving lactate clearance or central venous oxygen saturation goals during early sepsis resuscitation. *Academic Emergency Medicine*, **2012**, 19, 252-8	3.4	65

10	Prognostic value of incremental lactate elevations in emergency department patients with suspected infection. *Academic Emergency Medicine*, **2012**, 19, 983-5	3.4	16
9	Emergency management of severe sepsis and septic shock. *Current Opinion in Critical Care*, **2012**, 18, 295-300	3.5	18
8	Plasma levels of mitochondrial DNA in patients presenting to the emergency department with sepsis. *Shock*, **2012**, 38, 337-40	3.4	41
7	Sepsis-induced tissue hypoperfusion. *Critical Care Nursing Clinics of North America*, **2011**, 23, 115-25	1.5	11
6	Outcomes of patients undergoing early sepsis resuscitation for cryptic shock compared with overt shock. *Resuscitation*, **2011**, 82, 1289-93	4	97
5	Association between timing of antibiotic administration and mortality from septic shock in patients treated with a quantitative resuscitation protocol. *Critical Care Medicine*, **2011**, 39, 2066-71	1.4	265
4	Effect of glucose-insulin-potassium infusion on mortality in critical care settings: a systematic review and meta-analysis. *Journal of Clinical Pharmacology*, **2009**, 49, 758-67	2.9	16
3	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. *Critical Care*, **2009**, 13, R167	10.8	85
2	Sepsis-induced tissue hypoperfusion. *Critical Care Clinics*, **2009**, 25, 769-79, ix	4.5	43
1	Is lactate the "Holy Grail" of biomarkers for sepsis prognosis?. *Critical Care Medicine*, **2009**, 37, 1812-3	1.4	8