

Matthew R Rosengart

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.

61
papers

2,374
citations

24
h-index

48
g-index

62
ext. papers

2,849
ext. citations

4.8
avg, IF

4.87
L-index

#	Paper	IF	Citations
61	HMGB1 release induced by liver ischemia involves Toll-like receptor 4 dependent reactive oxygen species production and calcium-mediated signaling. <i>Journal of Experimental Medicine</i> , 2007 , 204, 2913-23	16.6	484
60	The Surgical Infection Society Revised Guidelines on the Management of Intra-Abdominal Infection. <i>Surgical Infections</i> , 2017 , 18, 1-76	2	242
59	Heme oxygenase-1-mediated autophagy protects against hepatocyte cell death and hepatic injury from infection/sepsis in mice. <i>Hepatology</i> , 2011 , 53, 2053-62	11.2	174
58	Current Murine Models of Sepsis. <i>Surgical Infections</i> , 2016 , 17, 385-93	2	109
57	Midregional proadrenomedullin as a prognostic tool in community-acquired pneumonia. <i>Chest</i> , 2009 , 136, 823-831	5.3	107
56	Lipopolysaccharide induces autophagic signaling in macrophages via a TLR4, heme oxygenase-1 dependent pathway. <i>Autophagy</i> , 2011 , 7, 315-20	10.2	100
55	Calcium/calmodulin-dependent protein kinase (CaMK) IV mediates nucleocytoplasmic shuttling and release of HMGB1 during lipopolysaccharide stimulation of macrophages. <i>Journal of Immunology</i> , 2008 , 181, 5015-23	5.3	96
54	Septic Shock: Advances in Diagnosis and Treatment. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 314, 708-17	27.4	87
53	Augmenting autophagy to treat acute kidney injury during endotoxemia in mice. <i>PLoS ONE</i> , 2013 , 8, e69520	5.20	81
52	Adenosine monophosphate-activated protein kinase activation protects against sepsis-induced organ injury and inflammation. <i>Journal of Surgical Research</i> , 2015 , 194, 262-72	2.5	67
51	Experimental sepsis-induced mitochondrial biogenesis is dependent on autophagy, TLR4, and TLR9 signaling in liver. <i>FASEB Journal</i> , 2013 , 27, 4703-11	0.9	55
50	Interactions of calcium/calmodulin-dependent protein kinases (CaMK) and extracellular-regulated kinase (ERK) in monocyte adherence and TNFalpha production. <i>Shock</i> , 2000 , 13, 183-9	3.4	47
49	Lack of emergency medical services documentation is associated with poor patient outcomes: a validation of audit filters for prehospital trauma care. <i>Journal of the American College of Surgeons</i> , 2010 , 210, 220-7	4.4	45
48	Calcium/calmodulin-dependent protein kinase (CaMK) Ialpha mediates the macrophage inflammatory response to sepsis. <i>Journal of Leukocyte Biology</i> , 2011 , 90, 249-61	6.5	44
47	Calcium supplementation during sepsis exacerbates organ failure and mortality via calcium/calmodulin-dependent protein kinase signaling. <i>Critical Care Medicine</i> , 2013 , 41, e352-60	1.4	43
46	Calcium/calmodulin-dependent protein kinase IV limits organ damage in hepatic ischemia-reperfusion injury through induction of autophagy. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G189-98	5.1	42
45	CaMKIV-dependent preservation of mTOR expression is required for autophagy during lipopolysaccharide-induced inflammation and acute kidney injury. <i>Journal of Immunology</i> , 2014 , 193, 2405-15	5.3	36

44	Biology and Metabolism of Sepsis: Innate Immunity, Bioenergetics, and Autophagy. <i>Surgical Infections</i> , 2016 , 17, 286-93	2	35
43	CaMKII β regulates AMP kinase-dependent, TORC-1-independent autophagy during lipopolysaccharide-induced acute lung neutrophilic inflammation. <i>Journal of Immunology</i> , 2013 , 190, 3620-8	5.3	33
42	Use of Biotelemetry to Define Physiology-Based Deterioration Thresholds in a Murine Cecal Ligation and Puncture Model of Sepsis. <i>Critical Care Medicine</i> , 2016 , 44, e420-31	1.4	27
41	Blue light reduces organ injury from ischemia and reperfusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5239-44	11.5	26
40	The identification of criteria to evaluate prehospital trauma care using the Delphi technique. <i>Journal of Trauma</i> , 2007 , 62, 708-13		25
39	Association Between Preoperative Metformin Exposure and Postoperative Outcomes in Adults With Type 2 Diabetes. <i>JAMA Surgery</i> , 2020 , 155, e200416	5.4	24
38	Validating a vignette-based instrument to study physician decision making in trauma triage. <i>Medical Decision Making</i> , 2014 , 34, 242-52	2.5	24
37	Prompt Administration of Antibiotics and Fluids in the Treatment of Sepsis: A Murine Trial. <i>Critical Care Medicine</i> , 2018 , 46, e426-e434	1.4	23
36	Management and Novel Adjuncts of Necrotizing Soft Tissue Infections. <i>Surgical Infections</i> , 2017 , 18, 250-272		22
35	Calcium/calmodulin-dependent protein kinase regulates the PINK1/Parkin and DJ-1 pathways of mitophagy during sepsis. <i>FASEB Journal</i> , 2017 , 31, 4382-4395	0.9	21
34	Light and the outcome of the critically ill: an observational cohort study. <i>Critical Care</i> , 2012 , 16, R132	10.8	19
33	Critical care medicine: landmarks and legends. <i>Surgical Clinics of North America</i> , 2006 , 86, 1305-21	4	18
32	Assessing the validity of using serious game technology to analyze physician decision making. <i>PLoS ONE</i> , 2014 , 9, e105445	3.7	18
31	Inhaled Carbon Monoxide Protects against the Development of Shock and Mitochondrial Injury following Hemorrhage and Resuscitation. <i>PLoS ONE</i> , 2015 , 10, e0135032	3.7	16
30	Tranexamic Acid During Prehospital Transport in Patients at Risk for Hemorrhage After Injury: A Double-blind, Placebo-Controlled, Randomized Clinical Trial. <i>JAMA Surgery</i> , 2020 ,	5.4	16
29	Serious games may improve physician heuristics in trauma triage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9204-9209	11.5	16
28	Effects of Gender Bias and Stereotypes in Surgical Training: A Randomized Clinical Trial. <i>JAMA Surgery</i> , 2020 , 155, 552-560	5.4	15
27	Blue Light Enhances Bacterial Clearance and Reduces Organ Injury During Sepsis. <i>Critical Care Medicine</i> , 2018 , 46, e779-e787	1.4	12

26	Testing a videogame intervention to recalibrate physician heuristics in trauma triage: study protocol for a randomized controlled trial. <i>BMC Emergency Medicine</i> , 2016 , 16, 44	2.4	12
25	Bright environmental light improves the sleepiness of nightshift ICU nurses. <i>Critical Care</i> , 2018 , 22, 295	10.8	12
24	Calcium/calmodulin-dependent protein kinase IV (CaMKIV) activation contributes to the pathogenesis of experimental colitis via inhibition of intestinal epithelial cell proliferation. <i>FASEB Journal</i> , 2019 , 33, 1330-1346	0.9	8
23	Endotoxin Engages Mitochondrial Quality Control an iNOS-Reactive Oxygen Species Signaling Pathway in Hepatocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 4745067	6.7	8
22	Murine sepsis phenotypes and differential treatment effects in a randomized trial of prompt antibiotics and fluids. <i>Critical Care</i> , 2019 , 23, 384	10.8	8
21	Heme Oxygenase-2 Localizes to Mitochondria and Regulates Hypoxic Responses in Hepatocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 2021645	6.7	7
20	Reducing Animal Use with a Biotelemetry-Enhanced Murine Model of Sepsis. <i>Scientific Reports</i> , 2017 , 7, 6622	4.9	7
19	Translational Sepsis Research: Spanning the Divide. <i>Critical Care Medicine</i> , 2018 , 46, 1497-1505	1.4	7
18	Diurnal Variation in Systemic Acute Inflammation and Clinical Outcomes Following Severe Blunt Trauma. <i>Frontiers in Immunology</i> , 2019 , 10, 2699	8.4	5
17	Prior inpatient admission increases the risk of post-operative infection in hepatobiliary and pancreatic surgery. <i>Hpb</i> , 2015 , 17, 1105-12	3.8	5
16	Defining the representativeness heuristic in trauma triage: A retrospective observational cohort study. <i>PLoS ONE</i> , 2019 , 14, e0212201	3.7	4
15	Bench-to-Bedside: A Translational Perspective on Murine Models of Sepsis. <i>Surgical Infections</i> , 2018 , 19, 137-141	2	4
14	CaMKIV regulates mitochondrial dynamics during sepsis. <i>Cell Calcium</i> , 2020 , 92, 102286	4	4
13	Improved Understanding of Acute Incisional Hernia Incarceration: Implications for Addressing the Excess Mortality of Emergent Repair. <i>Journal of the American College of Surgeons</i> , 2020 , 231, 536-545.e44	4.4	4
12	Inner Deliberations of Surgeons Treating Critically-ill Emergency General Surgery Patients: A Qualitative Analysis. <i>Annals of Surgery</i> , 2021 , 274, 1081-1088	7.8	4
11	Frontline Science: Rev-Erb α links blue light with enhanced bacterial clearance and improved survival in murine <i>Klebsiella pneumoniae</i> pneumonia. <i>Journal of Leukocyte Biology</i> , 2020 , 107, 11-25	6.5	4
10	Using incentives to recruit physicians into behavioral trials: lessons learned from four studies. <i>BMC Research Notes</i> , 2017 , 10, 776	2.3	3
9	Association of Practitioner Interfacility Triage Performance With Outcomes for Severely Injured Patients With Fee-for-Service Medicare Insurance. <i>JAMA Surgery</i> , 2019 , 154, e193944	5.4	3

8	Does Preexisting Practice Modify How Video Games Recalibrate Physician Heuristics in Trauma Triage?. <i>Journal of Surgical Research</i> , 2019 , 242, 55-61	2.5	2
7	Healthcare providers' perceived support from their organization is associated with lower burnout and anxiety amid the COVID-19 pandemic. <i>PLoS ONE</i> , 2021 , 16, e0259858	3.7	2
6	Factors associated with potentially avoidable interhospital transfers in emergency general surgery-A call for quality improvement efforts. <i>Surgery</i> , 2021 , 170, 1298-1307	3.6	2
5	Association between conventional or blue-light-filtering intraocular lenses and survival in bilateral cataract surgery patients. <i>iScience</i> , 2021 , 24, 102009	6.1	1
4	Outcomes after a Digital Behavior Change Intervention to Improve Trauma Triage: An Analysis of Medicare Claims. <i>Journal of Surgical Research</i> , 2021 , 268, 532-539	2.5	0
3	Consensus Current Procedural Terminology Code Definition of Source Control for Sepsis.. <i>Journal of Surgical Research</i> , 2022 , 275, 327-335	2.5	0
2	Training in Surgery-Reply. <i>JAMA Surgery</i> , 2021 , 156, 103	5.4	
1	Surgical Infection Society Curriculum Development Symposium: An Overview. <i>Surgical Infections</i> , 2016 , 17, 665-674	2	