Rami A Namas

List of Publications by Year
in descending order

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46 papers	1,421 citations	304743 22 h-index	345221 36 g-index
47 all docs	47 docs citations	47 times ranked	1318 citing authors

#	Article	IF	Citations
1	Temporal Patterns of Circulating Inflammation Biomarker Networks Differentiate Susceptibility to Nosocomial Infection Following Blunt Trauma in Humans. Annals of Surgery, 2016, 263, 191-198.	4.2	122
2	Sepsis: Something old, something new, and a systems view. Journal of Critical Care, 2012, 27, 314.e1-314.e11.	2.2	95
3	Central Role for MCP-1/CCL2 in Injury-Induced Inflammation Revealed by In Vitro, In Silico, and Clinical Studies. PLoS ONE, 2013, 8, e79804.	2.5	91
4	IL33-mediated ILC2 activation and neutrophil IL5 production in the lung response after severe trauma: A reverse translation study from a human cohort to a mouse trauma model. PLoS Medicine, 2017, 14, e1002365.	8.4	88
5	Insights into the Role of Chemokines, Damage-Associated Molecular Patterns, and Lymphocyte-Derived Mediators from Computational Models of Trauma-Induced Inflammation. Antioxidants and Redox Signaling, 2015, 23, 1370-1387.	5.4	82
6	Computational Analysis Supports an Early, Type 17 Cell-Associated Divergence of Blunt Trauma Survival and Mortality*. Critical Care Medicine, 2016, 44, e1074-e1081.	0.9	76
7	Trauma in silico: Individual-specific mathematical models and virtual clinical populations. Science Translational Medicine, 2015, 7, 285ra61.	12.4	66
8	Impact of Injury Severity on Dynamic Inflammation Networks Following Blunt Trauma. Shock, 2015, 44, 101-109.	2.1	61
9	Inducible Protein-10, a Potential Driver of Neurally Controlled Interleukin-10 and Morbidity in Human Blunt Trauma*. Critical Care Medicine, 2014, 42, 1487-1497.	0.9	57
10	Prehospital Hypotension Is Associated With Altered Inflammation Dynamics and Worse Outcomes Following Blunt Trauma in Humans*. Critical Care Medicine, 2015, 43, 1395-1404.	0.9	57
11	Individual-specific principal component analysis of circulating inflammatory mediators predicts early organ dysfunction in trauma patients. Journal of Critical Care, 2016, 36, 146-153.	2.2	55
12	Hemoadsorption Reprograms Inflammation in Experimental Gram-negative Septic Peritonitis: Insights from In Vivo and In Silico Studies. Molecular Medicine, 2012, 18, 1366-1374.	4.4	52
13	Injuryâ€induced MRP8/MRP14 stimulates IPâ€10/CXCL10 in monocytes/macrophages. FASEB Journal, 2015, 29, 250-262.	0.5	48
14	Multi-omic analysis in injured humans: Patterns align with outcomes and treatment responses. Cell Reports Medicine, 2021, 2, 100478.	6.5	35
15	X Chromosome-Linked IRAK-1 Polymorphism Is a Strong Predictor of Multiple Organ Failure and Mortality Postinjury. Annals of Surgery, 2014, 260, 698-705.	4.2	29
16	A road map from single-cell transcriptome to patient classification for the immune response to trauma. JCI Insight, 2021, 6, .	5.0	29
17	Sepsis: From Pattern to Mechanism and Back. Critical Reviews in Biomedical Engineering, 2012, 40, 341-351.	0.9	28
18	Elevated Admission Base Deficit Is Associated with a Complex Dynamic Network of Systemic Inflammation Which Drives Clinical Trajectories in Blunt Trauma Patients. Mediators of Inflammation, 2016, 2016, 1-13.	3.0	27

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19	An Enrichment Strategy Yields Seven Novel Single Nucleotide Polymorphisms Associated With Mortality and Altered Th17 Responses Following Blunt Trauma. Shock, 2018, 49, 259-268.	2.1	27
20	Computational evidence for an early, amplified systemic inflammation program in polytrauma patients with severe extremity injuries. PLoS ONE, 2019, 14, e0217577.	2.5	26
21	Young and Aged Blunt Trauma Patients Display Major Differences in Circulating Inflammatory Mediator Profiles after Severe Injury. Journal of the American College of Surgeons, 2019, 228, 148-160e7.	0.5	25
22	The early evolving sex hormone environment is associated with significant outcome and inflammatory response differences after injury. Journal of Trauma and Acute Care Surgery, 2015, 78, 451-458.	2.1	22
23	Racial Disparities and Sex-Based Outcomes Differences after Severe Injury. Journal of the American College of Surgeons, 2012, 214, 973-980.	0.5	21
24	Combined In Silico, In Vivo, and In Vitro Studies Shed Insights into the Acute Inflammatory Response in Middle-Aged Mice. PLoS ONE, 2013, 8, e67419.	2.5	18
25	Inflammation and disease: Modelling and modulation of the inflammatory response to alleviate critical illness. Current Opinion in Systems Biology, 2018, 12, 22-29.	2.6	18
26	Analysis of the Plasma Metabolome after Trauma, Novel Circulating Sphingolipid Signatures, and In-Hospital Outcomes. Journal of the American College of Surgeons, 2021, 232, 276-287e1.	0.5	17
27	Unsupervised Clustering Analysis Based on MODS Severity Identifies Four Distinct Organ Dysfunction Patterns in Severely Injured Blunt Trauma Patients. Frontiers in Medicine, 2020, 7, 46.	2.6	13
28	Elevations in Circulating sST2 Levels Are Associated With In-Hospital Mortality and Adverse Clinical Outcomes After Blunt Trauma. Journal of Surgical Research, 2019, 244, 23-33.	1.6	12
29	Computational Derivation of Core, Dynamic Human Blunt Trauma Inflammatory Endotypes. Frontiers in Immunology, 2020, 11, 589304.	4.8	12
30	A putative â€œchemokine switchâ€•that regulates systemic acute inflammation in humans. Scientific Reports, 2021, 11, 9703.	3.3	12
31	A Biohybrid Device for the Systemic Control of Acute Inflammation. Disruptive Science and Technology, 2012, 1, 20-27.	1.0	11
32	MPPED2 Polymorphism Is Associated With Altered Systemic Inflammation and Adverse Trauma Outcomes. Frontiers in Genetics, 2019, 10, 1115.	2.3	11
33	Diurnal Variation in Systemic Acute Inflammation and Clinical Outcomes Following Severe Blunt Trauma. Frontiers in Immunology, 2019, 10, 2699.	4.8	10
34	Protective/reparative cytokines are suppressed at high injury severity in human trauma. Trauma Surgery and Acute Care Open, 2021, 6, e000619.	1.6	10
35	Early dynamic orchestration of immunologic mediators identifies multiply injured patients who are tolerant or sensitive to hemorrhage. Journal of Trauma and Acute Care Surgery, 2021, 90, 441-450.	2.1	8
36	Insights into the association between coagulopathy and inflammation: abnormal clot mechanics are a warning of immunologic dysregulation following major injury. Annals of Translational Medicine, 2020, 8, 1576-1576.	1.7	7

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37	The independent prognostic value of global epigenetic alterations: An analysis of single-cell ATAC-seq of circulating leukocytes from trauma patients followed by validation in whole blood leukocyte transcriptomes across three etiologies of critical illness. EBioMedicine, 2022, 76, 103860.	6.1	7
38	An Aging-Related Single-Nucleotide Polymorphism is Associated With Altered Clinical Outcomes and Distinct Inflammatory Profiles in Aged Blunt Trauma Patients. Shock, 2020, 53, 146-155.	2.1	6
39	From static to dynamic: a sepsis-specific dynamic model from clinical criteria in polytrauma patients. Annals of Translational Medicine, 2016, 4, 492-492.	1.7	6
40	Persistence of Elevated Plasma CXCL8 Concentrations Following Red Blood Cell Transfusion in a Trauma Cohort. Shock, 2012, 37, 373-377.	2.1	5
41	Identification of a Novel Pathway of Transforming Growth Factor-Î²1 Regulation by Extracellular NAD+ in Mouse Macrophages. Journal of Biological Chemistry, 2012, 287, 31003-31014.	3.4	5
42	â€œThinkingâ€•vs. â€œTalkingâ€• Differential Autocrine Inflammatory Networks in Isolated Primary Hepatic Stellate Cells and Hepatocytes under Hypoxic Stress. Frontiers in Physiology, 2017, 8, 1104.	2.8	4
43	Predicting Experimental Sepsis Survival with a Mathematical Model of Acute Inflammation. Frontiers in Systems Biology, 2021, 1, .	0.7	2
44	Quality Control Measures and Validation in Gene Association Studies: Lessons for Acute Illness. Shock, 2020, 53, 256-268.	2.1	1
45	What's New in Shock, June 2018?. Shock, 2018, 49, 613-615.	2.1	0
46	A Systemic Storm in Critically Injured Humans Revealed by Longitudinal Multi-Omics. SSRN Electronic Journal, 0, , .	0.4	0