

Carl J Hauser

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

6,271
citations

136885

32
h-index

128225

60
g-index

61
all docs

61
docs citations

61
times ranked

8163
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular mitochondria drive CD8 T cell dysfunction in trauma by upregulating CD39. <i>Thorax</i> , 2023, 78, 151-159.	2.7	6
2	Plasma and wound fluids from trauma patients suppress neutrophil extracellular respiratory burst. <i>Journal of Trauma and Acute Care Surgery</i> , 2022, 92, 330-338.	1.1	7
3	Monocyte exocytosis of mitochondrial danger-associated molecular patterns in sepsis suppresses neutrophil chemotaxis. <i>Journal of Trauma and Acute Care Surgery</i> , 2021, 90, 46-53.	1.1	20
4	Circulating mitochondrial formyl peptides contribute to secondary nosocomial infection in patients with septic shock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	19
5	Role of Mitochondria-Derived Danger Signals Released After Injury in Systemic Inflammation and Sepsis. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1273-1290.	2.5	23
6	Trauma-induced heme release increases susceptibility to bacterial infection. <i>JCI Insight</i> , 2021, 6, .	2.3	13
7	Characterisation of Plasma Mitochondrial DNA, MMP-9 and Neutrophil Elastase in Patients Undergoing Coronary Artery Bypass Grafting: Effects of Tranexamic Acid and Postoperative Pneumonia. <i>Heart Lung and Circulation</i> , 2021, , .	0.2	1
8	Formyl Peptide Receptor-1 Blockade Prevents Receptor Regulation by Mitochondrial Danger-Associated Molecular Patterns and Preserves Neutrophil Function After Trauma. <i>Critical Care Medicine</i> , 2020, 48, e123-e132.	0.4	20
9	Multiplexed Plasma Immune Mediator Signatures Can Differentiate Sepsis From NonInfective SIRS. <i>Annals of Surgery</i> , 2020, 272, 604-610.	2.1	10
10	Circulating Factors in Trauma Plasma Activate Specific Human Immune Cell Subsets. <i>Injury</i> , 2020, 51, 819-829.	0.7	8
11	Direct Airway Instillation of Neutrophils Overcomes Chemotactic Deficits Induced by Injury. <i>Shock</i> , 2020, Publish Ahead of Print, 119-124.	1.0	5
12	Mitochondrial DNA in the tumour microenvironment activates neutrophils and is associated with worse outcomes in patients with advanced epithelial ovarian cancer. <i>British Journal of Cancer</i> , 2019, 120, 207-217.	2.9	62
13	Carbon monoxide protects the kidney through the central circadian clock and CD39. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2302-E2310.	3.3	61
14	Mitochondrial DAMPs Are Released During Cardiopulmonary Bypass Surgery and Are Associated With Postoperative Atrial Fibrillation. <i>Heart Lung and Circulation</i> , 2018, 27, 122-129.	0.2	64
15	A subset of five human mitochondrial formyl peptides mimics bacterial peptides and functionally deactivates human neutrophils. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 85, 936-943.	1.1	27
16	Scavenging Circulating Mitochondrial DNA as a Potential Therapeutic Option for Multiple Organ Dysfunction in Trauma Hemorrhage. <i>Frontiers in Immunology</i> , 2018, 9, 891.	2.2	78
17	Intratracheal instillation of neutrophils rescues bacterial overgrowth initiated by trauma damage-associated molecular patterns. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 82, 853-860.	1.1	11
18	A "CLEAN CASE" OF SYSTEMIC INJURY. <i>Shock</i> , 2015, 44, 336-340.	1.0	21

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19	Mitochondrial DNA Released by Trauma Induces Neutrophil Extracellular Traps. PLoS ONE, 2015, 10, e0120549.	1.1	157
20	Mitochondrial damage-associated molecular patterns from fractures suppress pulmonary immune responses via formyl peptide receptors 1 and 2. Journal of Trauma and Acute Care Surgery, 2015, 78, 272-281.	1.1	32
21	Heme as a danger molecule in pathogen recognition. Free Radical Biology and Medicine, 2015, 89, 651-661.	1.3	63
22	Mitochondrial damage-associated molecular patterns released by abdominal trauma suppress pulmonary immune responses. Journal of Trauma and Acute Care Surgery, 2014, 76, 1222-1227.	1.1	24
23	NADPH Oxidase and Nrf2 Regulate Gastric Aspiration-Induced Inflammation and Acute Lung Injury. Journal of Immunology, 2013, 190, 1714-1724.	0.4	49
24	Plasma Bacterial and Mitochondrial DNA Distinguish Bacterial Sepsis From Sterile Systemic Inflammatory Response Syndrome and Quantify Inflammatory Tissue Injury in Nonhuman Primates. Shock, 2013, 39, 55-62.	1.0	85
25	Mitochondrial DAMPs Increase Endothelial Permeability through Neutrophil Dependent and Independent Pathways. PLoS ONE, 2013, 8, e59989.	1.1	172
26	Health care and socioeconomic impact of falls in the elderly. American Journal of Surgery, 2012, 203, 335-338.	0.9	89
27	Bacterial DNA Induces Pulmonary Damage Via TLR-9 Through Cross-talk With Neutrophils. Shock, 2011, 36, 548-552.	1.0	31
28	SPHINGOSINE KINASE INHIBITION ALLEVIATES ENDOTHELIAL PERMEABILITY INDUCED BY THROMBIN AND ACTIVATED NEUTROPHILS. Shock, 2010, 33, 381-386.	1.0	14
29	Mitochondrial Peptides Are Potent Immune Activators That Activate Human Neutrophils Via FPR-1. Journal of Trauma, 2010, 68, 1328-1334.	2.3	99
30	Antiplatelet agents, warfarin, and epidemic intracranial hemorrhage. Surgery, 2010, 148, 724-730.	1.0	36
31	Circulating mitochondrial DAMPs cause inflammatory responses to injury. Nature, 2010, 464, 104-107.	13.7	2,983
32	Mitochondrial Damage Associated Molecular Patterns From Femoral Reamings Activate Neutrophils Through Formyl Peptide Receptors and P44/42 MAP Kinase. Journal of Orthopaedic Trauma, 2010, 24, 534-538.	0.7	108
33	MITOCHONDRIAL DNA IS RELEASED BY SHOCK AND ACTIVATES NEUTROPHILS VIA P38 MAP KINASE. Shock, 2010, 34, 55-59.	1.0	290
34	CALCIUM ENTRY INHIBITION DURING RESUSCITATION FROM SHOCK ATTENUATES INFLAMMATORY LUNG INJURY. Shock, 2008, 30, 29-35.	1.0	15
35	RESISTANCE OF THE FEMALE, AS OPPOSED TO THE MALE, INTESTINE TO I/R-MEDIATED INJURY IS ASSOCIATED WITH INCREASED RESISTANCE TO GUT-INDUCED DISTANT ORGAN INJURY. Shock, 2008, 29, 78-83.	1.0	30
36	Free Cholesterol Alters Lipid Raft Structure and Function Regulating Neutrophil Ca ²⁺ Entry and Respiratory Burst: Correlations with Calcium Channel Raft Trafficking. Journal of Immunology, 2007, 178, 5253-5261.	0.4	61

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37	Sphingosine 1-Phosphate Has Dual Functions in the Regulation of Endothelial Cell Permeability and Ca ²⁺ Metabolism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 323, 186-191.	1.3	25
38	Sex hormones affect bone marrow dysfunction after trauma and hemorrhagic shock. <i>Critical Care Medicine</i> , 2007, 35, 864-869.	0.4	7
39	Prophylactic Antibiotic Use in Open Fractures: An Evidence-Based Guideline. <i>Surgical Infections</i> , 2006, 7, 379-405.	0.7	216
40	BONE MARROW FAILURE IN MALE RATS FOLLOWING TRAUMA/HEMORRHAGIC SHOCK (T/HS) IS MEDIATED BY MESENTERIC LYMPH AND MODULATED BY CASTRATION. <i>Shock</i> , 2006, 25, 12-16.	1.0	19
41	Store-Operated Calcium Channel Inhibition Attenuates Neutrophil Function and Postshock Acute Lung Injury. <i>Journal of Trauma</i> , 2005, 59, 56-63.	2.3	29
42	PRECLINICAL MODELS OF TRAUMATIC, HEMORRHAGIC SHOCK. <i>Shock</i> , 2005, 24, 24-32.	1.0	70
43	Lysophosphatidic acid triggers calcium entry through a non-store-operated pathway in human neutrophils. <i>Journal of Leukocyte Biology</i> , 2005, 77, 181-189.	1.5	37
44	Non-specific effects of 4-chloro-m-cresol may cause calcium flux and respiratory burst in human neutrophils. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 1087-1095.	1.0	3
45	Cytoskeletal Reorganization Internalizes Multiple Transient Receptor Potential Channels and Blocks Calcium Entry into Human Neutrophils. <i>Journal of Immunology</i> , 2004, 172, 601-607.	0.4	71
46	Attenuation of Shock-Induced Acute Lung Injury by Sphingosine Kinase Inhibition. <i>Journal of Trauma</i> , 2004, 57, 955-960.	2.3	35
47	Sphingosine 1-Phosphate, a Diffusible Calcium Influx Factor Mediating Store-operated Calcium Entry. <i>Journal of Biological Chemistry</i> , 2003, 278, 27540-27547.	1.6	105
48	Inflammatory Chemoreceptor Cross-Talk Suppresses Leukotriene B4 Receptor 1-Mediated Neutrophil Calcium Mobilization and Chemotaxis After Trauma. <i>Journal of Immunology</i> , 2003, 171, 2066-2073.	0.4	57
49	Bone Marrow Failure Following Severe Injury in Humans. <i>Annals of Surgery</i> , 2003, 238, 748-753.	2.1	139
50	Hypertonic Saline Resuscitation Limits Neutrophil Activation After Trauma-Hemorrhagic Shock. <i>Shock</i> , 2003, 19, 328-333.	1.0	92
51	Store-Operated Calcium Entry in Human Neutrophils Reflects Multiple Contributions from Independently Regulated Pathways. <i>Journal of Immunology</i> , 2002, 168, 4063-4069.	0.4	85
52	RECURRENT PENETRATING SPINAL CORD INJURY. <i>Journal of Trauma</i> , 2002, 53, 167.	2.3	0
53	Hypertonic Saline Improves Intestinal Mucosa Barrier Function and Lung Injury After Trauma-Hemorrhagic Shock. <i>Shock</i> , 2002, 17, 496-501.	1.0	89
54	Shock Mesenteric Lymph-Induced Rat Polymorphonuclear Neutrophil Activation and Endothelial Cell Injury Is Mediated by Aqueous Factors. <i>Journal of Trauma</i> , 2002, 52, 1048-1055.	2.3	48

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55	Trauma Inhibits Erythroid Burst-Forming Unit and Granulocyte-Monocyte Colony-Forming Unit Growth Through the Production of TGF- β 1 by Bone Marrow Stroma. <i>Annals of Surgery</i> , 2001, 234, 224-232.	2.1	42
56	Entry of gut lymph into the circulation primes rat neutrophil respiratory burst in hemorrhagic shock. <i>Critical Care Medicine</i> , 2001, 29, 2194-2198.	0.4	64
57	INJURY-ENHANCED CALCIUM MOBILIZATION IN CIRCULATING RAT NEUTROPHILS MODELS HUMAN PMN RESPONSES. <i>Shock</i> , 2001, 16, 15-20.	1.0	20
58	Major Trauma Enhances Store-Operated Calcium Influx in Human Neutrophils. <i>Journal of Trauma</i> , 2000, 48, 592-598.	2.3	28
59	Suppression of Natural Killer Cell Activity in Patients With Fracture/Soft Tissue Injury. <i>Archives of Surgery</i> , 1997, 132, 1326.	2.3	23
60	The Immune Microenvironment of Human Fracture/Soft-tissue Hematomas and its Relationship to Systemic Immunity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 42, 895-904.	1.1	122
61	PRODUCTION OF INTERLEUKIN-10 IN HUMAN FRACTURE SOFT-TISSUE HEMATOMAS. <i>Shock</i> , 1996, 6, 3-6.	1.0	51