Wei Chao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3595135/publications.pdf

Version: 2024-02-01

39 papers	1,602 citations	361413 20 h-index	395702 33 g-index
40 all docs	40 docs citations	40 times ranked	2238 citing authors

#	Article	IF	Citations
1	Toll-like receptor signaling: a critical modulator of cell survival and ischemic injury in the heart. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1-H12.	3.2	254
2	Role of Extracellular RNA and TLR3â€Trif Signaling in Myocardial Ischemiaâ€“Reperfusion Injury. Journal of the American Heart Association, 2014, 3, e000683.	3.7	128
3	Myocardial Ischemia Activates an Injurious Innate Immune Signaling via Cardiac Heat Shock Protein 60 and Toll-like Receptor 4. Journal of Biological Chemistry, 2011, 286, 31308-31319.	3.4	123
4	Innate immune adaptor MyD88 mediates neutrophil recruitment and myocardial injury after ischemia-reperfusion in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1311-H1318.	3.2	118
5	Enhanced Loading of Functional miRNA Cargo via pH Gradient Modification of Extracellular Vesicles. Molecular Therapy, 2020, 28, 975-985.	8.2	102
6	Circulating Plasma Extracellular Vesicles from Septic Mice Induce Inflammation via MicroRNA- and TLR7-Dependent Mechanisms. Journal of Immunology, 2018, 201, 3392-3400.	0.8	88
7	Complement Factor B Is the Downstream Effector of TLRs and Plays an Important Role in a Mouse Model of Severe Sepsis. Journal of Immunology, 2013, 191, 5625-5635.	0.8	73
8	Extracellular MicroRNAs Induce Potent Innate Immune Responses via TLR7/MyD88-Dependent Mechanisms. Journal of Immunology, 2017, 199, 2106-2117.	0.8	67
9	Lipopolysaccharide Improves Cardiomyocyte Survival and Function after Serum Deprivation. Journal of Biological Chemistry, 2005, 280, 21997-22005.	3.4	65
10	Strategic advantages of insulin-like growth factor-I expression for cardioprotection. Journal of Gene Medicine, 2003, 5, 277-286.	2.8	61
11	Importance of FADD Signaling in Serum Deprivation- and Hypoxia-induced Cardiomyocyte Apoptosis. Journal of Biological Chemistry, 2002, 277, 31639-31645.	3.4	56
12	Functional brown adipose tissue limits cardiomyocyte injury and adverse remodeling in catecholamine-induced cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2015, 84, 202-211.	1.9	56
13	Cardiac RNA Induces Inflammatory Responses in Cardiomyocytes and Immune Cells via Toll-like Receptor 7 Signaling. Journal of Biological Chemistry, 2015, 290, 26688-26698.	3.4	50
14	Bone marrow MyD88 signaling modulates neutrophil function and ischemic myocardial injury. American Journal of Physiology - Cell Physiology, 2010, 299, C760-C769.	4.6	45
15	¹⁸F-FDG Kinetics Parameters Depend on the Mechanism of Injury in Early Experimental Acute Respiratory Distress Syndrome. Journal of Nuclear Medicine, 2014, 55, 1871-1877.	5.0	33
16	Splenic RNA and MicroRNA Mimics Promote Complement Factor B Production and Alternative Pathway Activation via Innate Immune Signaling. Journal of Immunology, 2016, 196, 2788-2798.	0.8	33
17	Extracellular miR-146a-5p Induces Cardiac Innate Immune Response and Cardiomyocyte Dysfunction. ImmunoHorizons, 2020, 4, 561-572.	1.8	25
18	miR-19b targets pulmonary endothelial syndecan-1 following hemorrhagic shock. Scientific Reports, 2020, 10, 15811.	3.3	23

#	Article	IF	Citations
19	Targeting Toll-Like Receptors in Sepsis: From Bench to Clinical Trials. Antioxidants and Redox Signaling, 2021, 35, 1324-1339.	5.4	23
20	Toll-like Receptor 7 Contributes to Inflammation, Organ Injury, and Mortality in Murine Sepsis. Anesthesiology, 2019, 131, 105-118.	2.5	22
21	Theranostic Nucleic Acid Binding Nanoprobe Exerts Anti-inflammatory and Cytoprotective Effects in Ischemic Injury. Theranostics, 2017, 7, 814-825.	10.0	21
22	Tollâ€like receptorsÂ2 and 7 mediate coagulation activation and coagulopathy in murine sepsis. Journal of Thrombosis and Haemostasis, 2019, 17, 1683-1693.	3.8	21
23	Brain innate immune response via miRNA-TLR7 sensing in polymicrobial sepsis. Brain, Behavior, and Immunity, 2022, 100, 10-24.	4.1	18
24	Role of extracellular microRNA-146a-5p in host innate immunity and bacterial sepsis. IScience, 2021, 24, 103441.	4.1	16
25	Therapeutic Potential of Extracellular Vesicles for Sepsis Treatment. Advanced Therapeutics, 2021, 4, 2000259.	3.2	14
26	Functional and anatomical characterization of brown adipose tissue in heart failure with blood oxygen level dependent magnetic resonance. NMR in Biomedicine, 2016, 29, 978-984.	2.8	12
27	TLR7 Mediates Acute Respiratory Distress Syndrome in Sepsis by Sensing Extracellular miR-146a. American Journal of Respiratory Cell and Molecular Biology, 2022, 67, 375-388.	2.9	12
28	Fas-associated death-domain protein inhibits TNF-Î± mediated NF-ÎºB activation in cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H2073-H2080.	3.2	10
29	Importance of the Complement Alternative Pathway in Serum Chemotactic Activity During Sepsis. Shock, 2018, 50, 435-441.	2.1	10
30	Reduced Expression of SARM in Mouse Spleen during Polymicrobial Sepsis. Inflammation, 2016, 39, 1930-1938.	3.8	6
31	Hypobaria Exposure Worsens Cardiac Function and Endothelial Injury in AN Animal Model of Polytrauma: Implications for Aeromedical Evacuation. Shock, 2021, 56, 601-610.	2.1	6
32	A Nonlethal Murine Flame Burn Model Leads to a Transient Reduction in Host Defenses and Enhanced Susceptibility to Lethal Pseudomonas aeruginosa Infection. Infection and Immunity, 2021, 89, e0009121.	2.2	4
33	Lipopeptide PAM3CYS4 Synergizes N-Formyl-Met-Leu-Phe (fMLP)-Induced Calcium Transients in Mouse Neutrophils. Shock, 2018, 50, 493-499.	2.1	2
34	A non-lethal full-thickness flame burn produces a seroma beneath the forming eschar thereby promoting Pseudomonas aeruginosa sepsis in mice. Journal of Burn Care and Research, 2021, , .	0.4	2
35	The role of myeloid differentiation factor 88 on mitochondrial dysfunction of peritoneal leukocytes during polymicrobial sepsis. Central-European Journal of Immunology, 2016, 2, 153-158.	1.2	0
36	Septic cardiomyopathy is improved by enhancing cardiomyocyte denitrosylation capacity. FASEB Journal, 2013, 27, 921.8.	0.5	0

#	Article	IF	Citations
37	Interplay between complement factor B and Tollâ€like receptors and its role in septic cardiomyopathy. FASEB Journal, 2013, 27, 652.6.	0.5	0
38	Inflammation and Heart Diseases: Role of Toll-Like Receptor Signaling. Journal of Anesthesia and Perioperative Medicine, 2014, 1, 104-117.	0.2	0
39	Extracellular RNA Induces Complement Factor B in Macrophages via MyD88. FASEB Journal, 2015, 29, 507.9.	0.5	0