

Wei Chao

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.

36
papers

1,181
citations

16
h-index

34
g-index

40
ext. papers

1,402
ext. citations

5.3
avg, IF

4.55
L-index

#	Paper	IF	Citations
36	Toll-like receptor signaling: a critical modulator of cell survival and ischemic injury in the heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H1-12	5.2	226
35	Myocardial ischemia activates an injurious innate immune signaling via cardiac heat shock protein 60 and Toll-like receptor 4. <i>Journal of Biological Chemistry</i> , 2011 , 286, 31308-19	5.4	115
34	Role of extracellular RNA and TLR3-Trif signaling in myocardial ischemia-reperfusion injury. <i>Journal of the American Heart Association</i> , 2014 , 3, e000683	6	108
33	Innate immune adaptor MyD88 mediates neutrophil recruitment and myocardial injury after ischemia-reperfusion in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H1311-H1318	5.2	103
32	Complement factor B is the downstream effector of TLRs and plays an important role in a mouse model of severe sepsis. <i>Journal of Immunology</i> , 2013 , 191, 5625-35	5.3	60
31	Strategic advantages of insulin-like growth factor-I expression for cardioprotection. <i>Journal of Gene Medicine</i> , 2003 , 5, 277-86	3.5	55
30	Lipopolysaccharide improves cardiomyocyte survival and function after serum deprivation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 21997-2005	5.4	53
29	Importance of FADD signaling in serum deprivation- and hypoxia-induced cardiomyocyte apoptosis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 31639-45	5.4	51
28	Extracellular MicroRNAs Induce Potent Innate Immune Responses via TLR7/MyD88-Dependent Mechanisms. <i>Journal of Immunology</i> , 2017 , 199, 2106-2117	5.3	50
27	Circulating Plasma Extracellular Vesicles from Septic Mice Induce Inflammation via MicroRNA- and TLR7-Dependent Mechanisms. <i>Journal of Immunology</i> , 2018 , 201, 3392-3400	5.3	50
26	Enhanced Loading of Functional miRNA Cargo via pH Gradient Modification of Extracellular Vesicles. <i>Molecular Therapy</i> , 2020 , 28, 975-985	11.7	48
25	Functional brown adipose tissue limits cardiomyocyte injury and adverse remodeling in catecholamine-induced cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 84, 202-11	5.8	41
24	Cardiac RNA induces inflammatory responses in cardiomyocytes and immune cells via Toll-like receptor 7 signaling. <i>Journal of Biological Chemistry</i> , 2015 , 290, 26688-98	5.4	39
23	Bone marrow MyD88 signaling modulates neutrophil function and ischemic myocardial injury. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C760-9	5.4	39
22	Splenic RNA and MicroRNA Mimics Promote Complement Factor B Production and Alternative Pathway Activation via Innate Immune Signaling. <i>Journal of Immunology</i> , 2016 , 196, 2788-98	5.3	25
21	¹⁸ F-FDG kinetics parameters depend on the mechanism of injury in early experimental acute respiratory distress syndrome. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1871-7	8.9	25
20	Theranostic Nucleic Acid Binding Nanoprobe Exerts Anti-inflammatory and Cytoprotective Effects in Ischemic Injury. <i>Theranostics</i> , 2017 , 7, 814-825	12.1	14

19	Toll-like Receptor 7 Contributes to Inflammation, Organ Injury, and Mortality in Murine Sepsis. <i>Anesthesiology</i> , 2019 , 131, 105-118	4.3	14
18	Toll-like receptors 2 and 7 mediate coagulation activation and coagulopathy in murine sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2019 , 17, 1683-1693	15.4	11
17	Extracellular miR-146a-5p Induces Cardiac Innate Immune Response and Cardiomyocyte Dysfunction. <i>ImmunoHorizons</i> , 2020 , 4, 561-572	2.7	10
16	Fas-associated death-domain protein inhibits TNF-alpha mediated NF-kappaB activation in cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H2073-80	5.2	9
15	Functional and anatomical characterization of brown adipose tissue in heart failure with blood oxygen level dependent magnetic resonance. <i>NMR in Biomedicine</i> , 2016 , 29, 978-84	4.4	8
14	Importance of the Complement Alternative Pathway in Serum Chemotactic Activity During Sepsis. <i>Shock</i> , 2018 , 50, 435-441	3.4	7
13	miR-19b targets pulmonary endothelial syndecan-1 following hemorrhagic shock. <i>Scientific Reports</i> , 2020 , 10, 15811	4.9	7
12	Targeting Toll-Like Receptors in Sepsis: From Bench to Clinical Trials. <i>Antioxidants and Redox Signaling</i> , 2021 , 35, 1324-1339	8.4	5
11	Reduced Expression of SARM in Mouse Spleen during Polymicrobial Sepsis. <i>Inflammation</i> , 2016 , 39, 1930-1938	5.1	3
10	Therapeutic Potential of Extracellular Vesicles for Sepsis Treatment. <i>Advanced Therapeutics</i> , 2021 , 4, 2000259	4.9	3
9	Brain innate immune response via miRNA-TLR7 sensing in polymicrobial sepsis. <i>Brain, Behavior, and Immunity</i> , 2021 , 100, 10-24	16.6	1
8	Hypobaric Exposure Worsens Cardiac Function and Endothelial Injury in an Animal Model of Polytrauma: Implications for Aeromedical Evacuation. <i>Shock</i> , 2021 , 56, 601-610	3.4	1
7	Lipopeptide PAM3CYS4 Synergizes N-Formyl-Met-Leu-Phe (fMLP)-Induced Calcium Transients in Mouse Neutrophils. <i>Shock</i> , 2018 , 50, 493-499	3.4	0
6	A Nonlethal Murine Flame Burn Model Leads to a Transient Reduction in Host Defenses and Enhanced Susceptibility to Lethal <i>Pseudomonas aeruginosa</i> Infection. <i>Infection and Immunity</i> , 2021 , 89, e0009121	3.7	0
5	Role of extracellular microRNA-146a-5p in host innate immunity and bacterial sepsis. <i>iScience</i> , 2021 , 24, 103441	6.1	0
4	Extracellular RNA Induces Complement Factor B in Macrophages via MyD88. <i>FASEB Journal</i> , 2015 , 29, 507.9	0.9	
3	Septic cardiomyopathy is improved by enhancing cardiomyocyte denitrosylation capacity. <i>FASEB Journal</i> , 2013 , 27, 921.8	0.9	
2	Interplay between complement factor B and Toll-like receptors and its role in septic cardiomyopathy. <i>FASEB Journal</i> , 2013 , 27, 652.6	0.9	

- 1 The role of myeloid differentiation factor 88 on mitochondrial dysfunction of peritoneal leukocytes during polymicrobial sepsis. *Central-European Journal of Immunology*, **2016**, 41, 153-8 1.6