Jie Chao

List of Publications by Citations

89 papers	2,761 citations	29 h-index	50 g-index
103 ext. papers	3,471 ext. citations	5.5 avg, IF	5.46 L-index

#	Paper	IF	Citations
89	Circular RNA and its mechanisms in disease: From the bench to the clinic. *Pharmacology & Therapeutics*, **2018**, 187, 31-44	13.9	382
88	Circular RNA DLGAP4 Ameliorates Ischemic Stroke Outcomes by Targeting miR-143 to Regulate Endothelial-Mesenchymal Transition Associated with Blood-Brain Barrier Integrity. *Journal of Neuroscience*, **2018**, 38, 32-50	6.6	210
87	Novel insight into circular RNA HECTD1 in astrocyte activation via autophagy by targeting MIR142-TIPARP: implications for cerebral ischemic stroke. *Autophagy*, **2018**, 14, 1164-1184	10.2	169
86	Circular RNA HIPK2 regulates astrocyte activation via cooperation of autophagy and ER stress by targeting MIR124-2HG. *Autophagy*, **2017**, 13, 1722-1741	10.2	148
85	Gut microbiota from NLRP3-deficient mice ameliorates depressive-like behaviors by regulating astrocyte dysfunction via circHIPK2. *Microbiome*, **2019**, 7, 116	16.6	78
84	circRNA Mediates Silica-Induced Macrophage Activation Via HECTD1/ZC3H12A-Dependent Ubiquitination. *Theranostics*, **2018**, 8, 575-592	12.1	67
83	circHECTD1 promotes the silica-induced pulmonary endothelial-mesenchymal transition via HECTD1. *Cell Death and Disease*, **2018**, 9, 396	9.8	63
82	Macrophage-derived MCPIP1 mediates silica-induced pulmonary fibrosis via autophagy. *Particle and Fibre Toxicology*, **2016**, 13, 55	8.4	63
81	Activation of central angiotensin type 2 receptors suppresses norepinephrine excretion and blood pressure in conscious rats. *American Journal of Hypertension*, **2011**, 24, 724-30	2.3	59
80	NMDA receptor NR2B subunits contribute to PTZ-kindling-induced hippocampal astrocytosis and oxidative stress. *Brain Research Bulletin*, **2015**, 114, 70-8	3.9	57
79	CircDYM ameliorates depressive-like behavior by targeting miR-9 to regulate microglial activation via HSP90 ubiquitination. *Molecular Psychiatry*, **2020**, 25, 1175-1190	15.1	57
78	iNOS Induces Vascular Endothelial Cell Migration and Apoptosis Via Autophagy in Ischemia/Reperfusion Injury. *Cellular Physiology and Biochemistry*, **2016**, 38, 1575-88	3.9	55
77	Pericytes contribute to the disruption of the cerebral endothelial barrier via increasing VEGF expression: implications for stroke. *PLoS ONE*, **2015**, 10, e0124362	3.7	55
76	Engagement of circular RNA HECW2 in the nonautophagic role of ATG5 implicated in the endothelial-mesenchymal transition. *Autophagy*, **2018**, 14, 404-418	10.2	52
75	Involvement of sigma-1 receptor in astrocyte activation induced by methamphetamine via up-regulation of its own expression. *Journal of Neuroinflammation*, **2015**, 12, 29	10.1	50
74	Silica-induced initiation of circular ZC3H4 RNA/ZC3H4 pathway promotes the pulmonary macrophage activation. *FASEB Journal*, **2018**, 32, 3264-3277	0.9	49
73	Silencing microRNA-143 protects the integrity of the blood-brain barrier: implications for methamphetamine abuse. *Scientific Reports*, **2016**, 6, 35642	4.9	48

72	BBC3 in macrophages promoted pulmonary fibrosis development through inducing autophagy during silicosis. *Cell Death and Disease*, **2017**, 8, e2657	9.8	44
71	Identification from diverse mammalian poxviruses of host-range regulatory genes functioning equivalently to vaccinia virus C7L. *Virology*, **2008**, 372, 372-83	3.6	43
70	NADPH oxidase activation is required for pentylenetetrazole kindling-induced hippocampal autophagy. *Free Radical Biology and Medicine*, **2016**, 94, 230-42	7.8	42
69	The systemic inflammation of alveolar hypoxia is initiated by alveolar macrophage-borne mediator(s). *American Journal of Respiratory Cell and Molecular Biology*, **2009**, 41, 573-82	5.7	40
68	Neuronal Nitric Oxide Synthase Contributes to PTZ Kindling Epilepsy-Induced Hippocampal Endoplasmic Reticulum Stress and Oxidative Damage. *Frontiers in Cellular Neuroscience*, **2017**, 11, 377	6.1	39
67	Monocyte chemoattractant protein-1 released from alveolar macrophages mediates the systemic inflammation of acute alveolar hypoxia. *American Journal of Respiratory Cell and Molecular Biology*, **2011**, 45, 53-61	5.7	39
66	IL-17A induces MIP-1 expression in primary astrocytes via Src/MAPK/PI3K/NF-kB pathways: implications for multiple sclerosis. *Journal of NeuroImmune Pharmacology*, **2014**, 9, 629-41	6.9	35
65	Mir143-BBC3 cascade reduces microglial survival via interplay between apoptosis and autophagy: Implications for methamphetamine-mediated neurotoxicity. *Autophagy*, **2016**, 12, 1538-59	10.2	35
64	CircRNA-012091/PPP1R13B-mediated Lung Fibrotic Response in Silicosis via Endoplasmic Reticulum Stress and Autophagy. *American Journal of Respiratory Cell and Molecular Biology*, **2019**, 61, 380-391	5.7	30
63	Poly-adenine-based programmable engineering of gold nanoparticles for highly regulated spherical DNAzymes. *Nanoscale*, **2015**, 7, 18671-6	7.7	29
62	circHIPK2-mediated 1R promotes endoplasmic reticulum stress in human pulmonary fibroblasts exposed to silica. *Cell Death and Disease*, **2017**, 8, 3212	9.8	29
61	The Role of MCPIP1 in Ischemia/Reperfusion Injury-Induced HUVEC Migration and Apoptosis. *Cellular Physiology and Biochemistry*, **2015**, 37, 577-91	3.9	29
60	Involvement of miR-9/MCPIP1 axis in PDGF-BB-mediated neurogenesis in neuronal progenitor cells. *Cell Death and Disease*, **2013**, 4, e960	9.8	27
59	Ontogeny of angiotensin type 2 and type 1 receptor expression in mice. *JRAAS - Journal of the Renin-Angiotensin-Aldosterone System*, **2012**, 13, 341-52	3	27
58	Role of human pulmonary fibroblast-derived MCP-1 in cell activation and migration in experimental silicosis. *Toxicology and Applied Pharmacology*, **2015**, 288, 152-60	4.6	26
57	Role of MCPIP1 in the Endothelial-Mesenchymal Transition Induced by Silica. *Cellular Physiology and Biochemistry*, **2016**, 40, 309-325	3.9	25
56	Molecular mechanisms underlying the involvement of the sigma-1 receptor in methamphetamine-mediated microglial polarization. *Scientific Reports*, **2017**, 7, 11540	4.9	25
55	Role of high-mobility group box 1 in methamphetamine-induced activation and migration of astrocytes. *Journal of Neuroinflammation*, **2015**, 12, 156	10.1	25

54	Alveolar macrophages initiate the systemic microvascular inflammatory response to alveolar hypoxia. *Respiratory Physiology and Neurobiology*, **2011**, 178, 439-48	2.8	25
53	MCPIP1 Regulates Alveolar Macrophage Apoptosis and Pulmonary Fibroblast Activation After in vitro Exposure to Silica. *Toxicological Sciences*, **2016**, 151, 126-38	4.4	24
52	p53/PUMA expression in human pulmonary fibroblasts mediates cell activation and migration in silicosis. *Scientific Reports*, **2015**, 5, 16900	4.9	24
51	Alveolar hypoxia, alveolar macrophages, and systemic inflammation. *Respiratory Research*, **2009**, 10, 54	7.3	24
50	circDLPAG4/HECTD1 mediates ischaemia/reperfusion injury in endothelial cells via ER stress. *RNA Biology*, **2020**, 17, 240-253	4.8	24
49	Angiotensin II increased neuronal stem cell proliferation: role of AT2R. *PLoS ONE*, **2013**, 8, e63488	3.7	21
48	The emerging roles of a novel CCCH-type zinc finger protein, ZC3H4, in silica-induced epithelial to mesenchymal transition. *Toxicology Letters*, **2019**, 307, 26-40	4.4	19
47	Neuronal Nitric Oxide Synthase Contributes to PTZ Kindling-Induced Cognitive Impairment and Depressive-Like Behavior. *Frontiers in Behavioral Neuroscience*, **2017**, 11, 203	3.5	19
46	Possible roles of astrocytes in estrogen neuroprotection during cerebral ischemia. *Reviews in the Neurosciences*, **2014**, 25, 255-68	4.7	19
45	Platelet-derived growth factor-BB restores HIV Tat -mediated impairment of neurogenesis: role of GSK-3β-catenin. *Journal of NeuroImmune Pharmacology*, **2014**, 9, 259-68	6.9	19
44	MCPIP1 mediates silica-induced cell migration in human pulmonary fibroblasts. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 310, L121-32	5.8	18
43	Renin released from mast cells activated by circulating MCP-1 initiates the microvascular phase of the systemic inflammation of alveolar hypoxia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 301, H2264-70	5.2	18
42	Repeated restraint stress increases seizure susceptibility by activation of hippocampal endoplasmic reticulum stress. *Neurochemistry International*, **2017**, 110, 25-37	4.4	17
41	CT/NIRF dual-modal imaging tracking and therapeutic efficacy of transplanted mesenchymal stem cells labeled with Au nanoparticles in silica-induced pulmonary fibrosis. *Journal of Materials Chemistry B*, **2020**, 8, 1713-1727	7.3	16
40	Neuronal nitric oxide synthase contributes to pentylenetetrazole-kindling-induced hippocampal neurogenesis. *Brain Research Bulletin*, **2016**, 121, 138-47	3.9	16
39	Dexamethasone blocks the systemic inflammation of alveolar hypoxia at several sites in the inflammatory cascade. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 303, H168-77	5.2	16
38	Involvement of NLRP3 inflammasome in methamphetamine-induced microglial activation through miR-143/PUMA axis. *Toxicology Letters*, **2019**, 301, 53-63	4.4	16
37	Expression of green fluorescent protein in human foreskin fibroblasts for use in 2D and 3D culture models. *Wound Repair and Regeneration*, **2014**, 22, 134-40	3.6	14

36	CircHECTD1 mediates pulmonary fibroblast activation HECTD1. *Therapeutic Advances in Chronic Disease*, **2019**, 10, 2040622319891558	4.9	14
35	MCPIP1 Regulates Fibroblast Migration in 3-D Collagen Matrices Downstream of MAP Kinases and NF-B. *Journal of Investigative Dermatology*, **2015**, 135, 2944-2954	4.3	13
34	Angiotensin type 2 receptors in the intermediolateral cell column of the spinal cord: negative regulation of sympathetic nerve activity and blood pressure. *International Journal of Cardiology*, **2013**, 168, 4046-55	3.2	13
33	MCPIP1-induced autophagy mediates ischemia/reperfusion injury in endothelial cells via HMGB1 and CaSR. *Scientific Reports*, **2018**, 8, 1735	4.9	11
32	SPIO nanoparticle-labeled bone marrow mesenchymal stem cells inhibit pulmonary EndoMT induced by SiO. *Experimental Cell Research*, **2019**, 383, 111492	4.2	11
31	An Increase of Sigma-1 Receptor in the Penumbra Neuron after Acute Ischemic Stroke. *Journal of Stroke and Cerebrovascular Diseases*, **2017**, 26, 1981-1987	2.8	11
30	Involvement of PUMA in pericyte migration induced by methamphetamine. *Experimental Cell Research*, **2017**, 356, 28-39	4.2	10
29	Neogambogic acid prevents silica-induced fibrosis via inhibition of high-mobility group box 1 and MCP-1-induced protein 1. *Toxicology and Applied Pharmacology*, **2016**, 309, 129-40	4.6	9
28	The PKC□p66shc-NADPH oxidase pathway plays a crucial role in diabetic nephropathy. *Journal of Pharmacy and Pharmacology*, **2019**, 71, 338-347	4.8	9
27	Attachment-regulated signaling networks in the fibroblast-populated 3D collagen matrix. *Scientific Reports*, **2013**, 3, 1880	4.9	8
26	MCP-1 mediates ischemia-reperfusion-induced cardiomyocyte apoptosis via MCPIP1 and CaSR. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 318, H59-H71	5.2	7
25	Effect of methamphetamine on the fasting blood glucose in methamphetamine abusers. *Metabolic Brain Disease*, **2018**, 33, 1585-1597	3.9	7
24	IL-17 induces MIP-1□expression in primary mouse astrocytes via TRPC channel. *Inflammopharmacology*, **2016**, 24, 33-42	5.1	6
23	Role of PUMA in the methamphetamine-induced migration of microglia. *Metabolic Brain Disease*, **2019**, 34, 61-69	3.9	6
22	AQP4-knockout aggravation of isoprenaline-induced myocardial injury is mediated by p66Shc and endoplasmic reticulum stress. *Clinical and Experimental Pharmacology and Physiology*, **2017**, 44, 1106-1115	3	4
21	Electrochemical/visual microfluidic detection with a covalent organic framework supported platinum nanozyme-based device for early diagnosis of pheochromocytoma.. *Biosensors and Bioelectronics*, **2022**, 207, 114208	11.8	4
20	CT/MR Dual-Modality Imaging Tracking of Mesenchymal Stem Cells Labeled with a Au/GdNC@SiO Nanotracer in Pulmonary Fibrosis.. *ACS Applied Bio Materials*, **2020**, 3, 2489-2498	4.1	3
19	Extracellular vesicle-mediated delivery of circDYM alleviates CUS-induced depressive-like behaviours.. *Journal of Extracellular Vesicles*, **2022**, 11, e12185	16.4	3

18	Acclimatization of the systemic microcirculation to alveolar hypoxia is mediated by an iNOS-dependent increase in nitric oxide availability. *Journal of Applied Physiology*, **2017**, 123, 974-982	3.7	2
17	SiO-induced release of sVEGFRs from pulmonary macrophages. *Respiratory Physiology and Neurobiology*, **2018**, 247, 1-8	2.8	2
16	ZC3H4 mediates silica-induced EndoMT via ER stress and autophagy. *Environmental Toxicology and Pharmacology*, **2021**, 84, 103605	5.8	2
15	Development of fluorescence sensor and test paper based on molecularly imprinted carbon quantum dots for spiked detection of domoic acid in shellfish and lake water.. *Analytica Chimica Acta*, **2022**, 1197, 339515	6.6	1
14	ZC3H4 promotes pulmonary fibrosis via an ER stress-related positive feedback loop.. *Toxicology and Applied Pharmacology*, **2022**, 435, 115856	4.6	1
13	Role of circular RNAs in visceral organ fibrosis. *Food and Chemical Toxicology*, **2021**, 150, 112074	4.7	1
12	The Combined Effects of circRNA Methylation Promote Pulmonary Fibrosis.. *American Journal of Respiratory Cell and Molecular Biology*, **2022**,	5.7	1
11	Co-localization of circDYM with miR-9 in microglia. *Molecular Psychiatry*, **2020**, 25, 1155-1155	15.1	0
10	A missing piece of the puzzle in pulmonary fibrosis: anoikis resistance promotes fibroblast activation.. *Cell and Bioscience*, **2022**, 12, 21	9.8	0
9	NADPH oxidase mediates the mesenteric inflammation initiated by alveolar macrophages in alveolar hypoxia. *FASEB Journal*, **2008**, 22, 731.1	0.9	
8	MCP-1-Induced Protein Promotes Human Pulmonary Fibroblast Migration Induced by SiO2 via MAPKs and PI3K Signaling. *FASEB Journal*, **2015**, 29, 411.9	0.9	
7	The systemic inflammation of alveolar hypoxia is initiated by a circulating mediator(s) released from alveolar macrophages. *FASEB Journal*, **2009**, 23, 762.22	0.9	
6	Renin from activated mast cells mediates the systemic inflammation of alveolar hypoxia. *FASEB Journal*, **2009**, 23, 762.25	0.9	
5	Monocyte Chemoattractant Protein-1(MCP-1) released from hypoxic alveolar macrophages activates systemic mast cells. *FASEB Journal*, **2010**, 24, 990.17	0.9	
4	Monocyte Chemoattractant Protein-1 (MCP-1) released from alveolar macrophages mediates the systemic inflammation of alveolar hypoxia. *FASEB Journal*, **2010**, 24, 990.16	0.9	
3	Renin liberated from MCP-1/CCL2-activated mast cells initiates the systemic inflammation of alveolar hypoxia. *FASEB Journal*, **2011**, 25, 1110.12	0.9	
2	Blunted Arterial Baroreflex Sensitivity: A Contributor to Hypertension in Angiotensin Type 2 Receptor Knockout Mice. *FASEB Journal*, **2012**, 26, 893.7	0.9	
1	Imbalance of Angiotensin Receptor Expression and Function in the Spinal Cord: Potential Mechanism of Sympathetic Overactivity in CHF Rats. *FASEB Journal*, **2012**, 26, 893.10	0.9	