

# Jie Chao

## List of Publications by Year in Descending Order

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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.

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	Extracellular vesicle-mediated delivery of circDYM alleviates CUS-induced depressive-like behaviours.. <i>Journal of Extracellular Vesicles</i> , <b>2022</b> , 11, e12185	16.4	3
88	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.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1197, 339515	6.6	1
87	ZC3H4 promotes pulmonary fibrosis via an ER stress-related positive feedback loop.. <i>Toxicology and Applied Pharmacology</i> , <b>2022</b> , 435, 115856	4.6	1
86	A missing piece of the puzzle in pulmonary fibrosis: anoikis resistance promotes fibroblast activation.. <i>Cell and Bioscience</i> , <b>2022</b> , 12, 21	9.8	0
85	The Combined Effects of circRNA Methylation Promote Pulmonary Fibrosis.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2022</b> ,	5.7	1
84	Electrochemical/visual microfluidic detection with a covalent organic framework supported platinum nanozyme-based device for early diagnosis of pheochromocytoma.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 207, 114208	11.8	4
83	Role of circular RNAs in visceral organ fibrosis. <i>Food and Chemical Toxicology</i> , <b>2021</b> , 150, 112074	4.7	1
82	ZC3H4 mediates silica-induced EndoMT via ER stress and autophagy. <i>Environmental Toxicology and Pharmacology</i> , <b>2021</b> , 84, 103605	5.8	2
81	CT/MR Dual-Modality Imaging Tracking of Mesenchymal Stem Cells Labeled with a Au/GdNC@SiO Nanotracer in Pulmonary Fibrosis.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 2489-2498	4.1	3
80	CT/NIRF dual-modal imaging tracking and therapeutic efficacy of transplanted mesenchymal stem cells labeled with Au nanoparticles in silica-induced pulmonary fibrosis. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 1713-1727	7.3	16
79	Co-localization of circDYM with miR-9 in microglia. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 1155-1155	15.1	0
78	MCP-1 mediates ischemia-reperfusion-induced cardiomyocyte apoptosis via MCP1P1 and CaSR. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2020</b> , 318, H59-H71	5.2	7
77	CircDYM ameliorates depressive-like behavior by targeting miR-9 to regulate microglial activation via HSP90 ubiquitination. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 1175-1190	15.1	57
76	circDLPAG4/HECTD1 mediates ischaemia/reperfusion injury in endothelial cells via ER stress. <i>RNA Biology</i> , <b>2020</b> , 17, 240-253	4.8	24
75	Gut microbiota from NLRP3-deficient mice ameliorates depressive-like behaviors by regulating astrocyte dysfunction via circHIPK2. <i>Microbiome</i> , <b>2019</b> , 7, 116	16.6	78
74	CircRNA-012091/PPP1R13B-mediated Lung Fibrotic Response in Silicosis via Endoplasmic Reticulum Stress and Autophagy. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2019</b> , 61, 380-391	5.7	30
73	The emerging roles of a novel CCCH-type zinc finger protein, ZC3H4, in silica-induced epithelial to mesenchymal transition. <i>Toxicology Letters</i> , <b>2019</b> , 307, 26-40	4.4	19

72	SPIO nanoparticle-labeled bone marrow mesenchymal stem cells inhibit pulmonary EndoMT induced by SiO. <i>Experimental Cell Research</i> , <b>2019</b> , 383, 111492	4.2	11
71	CircHECTD1 mediates pulmonary fibroblast activation HECTD1. <i>Therapeutic Advances in Chronic Disease</i> , <b>2019</b> , 10, 2040622319891558	4.9	14
70	Involvement of NLRP3 inflammasome in methamphetamine-induced microglial activation through miR-143/PUMA axis. <i>Toxicology Letters</i> , <b>2019</b> , 301, 53-63	4.4	16
69	The PKC $\epsilon$ p66shc-NADPH oxidase pathway plays a crucial role in diabetic nephropathy. <i>Journal of Pharmacy and Pharmacology</i> , <b>2019</b> , 71, 338-347	4.8	9
68	Role of PUMA in the methamphetamine-induced migration of microglia. <i>Metabolic Brain Disease</i> , <b>2019</b> , 34, 61-69	3.9	6
67	Circular RNA and its mechanisms in disease: From the bench to the clinic. <i>Pharmacology &amp; Therapeutics</i> , <b>2018</b> , 187, 31-44	13.9	382
66	MCPIP1-induced autophagy mediates ischemia/reperfusion injury in endothelial cells via HMGB1 and CaSR. <i>Scientific Reports</i> , <b>2018</b> , 8, 1735	4.9	11
65	Engagement of circular RNA HECW2 in the nonautophagic role of ATG5 implicated in the endothelial-mesenchymal transition. <i>Autophagy</i> , <b>2018</b> , 14, 404-418	10.2	52
64	circHECTD1 promotes the silica-induced pulmonary endothelial-mesenchymal transition via HECTD1. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 396	9.8	63
63	SiO-induced release of sVEGFRs from pulmonary macrophages. <i>Respiratory Physiology and Neurobiology</i> , <b>2018</b> , 247, 1-8	2.8	2
62	Silica-induced initiation of circular ZC3H4 RNA/ZC3H4 pathway promotes the pulmonary macrophage activation. <i>FASEB Journal</i> , <b>2018</b> , 32, 3264-3277	0.9	49
61	circRNA Mediates Silica-Induced Macrophage Activation Via HECTD1/ZC3H12A-Dependent Ubiquitination. <i>Theranostics</i> , <b>2018</b> , 8, 575-592	12.1	67
60	Circular RNA DLGAP4 Ameliorates Ischemic Stroke Outcomes by Targeting miR-143 to Regulate Endothelial-Mesenchymal Transition Associated with Blood-Brain Barrier Integrity. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 32-50	6.6	210
59	Novel insight into circular RNA HECTD1 in astrocyte activation via autophagy by targeting MIR142-TIPARP: implications for cerebral ischemic stroke. <i>Autophagy</i> , <b>2018</b> , 14, 1164-1184	10.2	169
58	Effect of methamphetamine on the fasting blood glucose in methamphetamine abusers. <i>Metabolic Brain Disease</i> , <b>2018</b> , 33, 1585-1597	3.9	7
57	BBC3 in macrophages promoted pulmonary fibrosis development through inducing autophagy during silicosis. <i>Cell Death and Disease</i> , <b>2017</b> , 8, e2657	9.8	44
56	Involvement of PUMA in pericyte migration induced by methamphetamine. <i>Experimental Cell Research</i> , <b>2017</b> , 356, 28-39	4.2	10
55	Acclimatization of the systemic microcirculation to alveolar hypoxia is mediated by an iNOS-dependent increase in nitric oxide availability. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 974-982	3.7	2

54	Molecular mechanisms underlying the involvement of the sigma-1 receptor in methamphetamine-mediated microglial polarization. <i>Scientific Reports</i> , <b>2017</b> , 7, 11540	4.9	25
53	Repeated restraint stress increases seizure susceptibility by activation of hippocampal endoplasmic reticulum stress. <i>Neurochemistry International</i> , <b>2017</b> , 110, 25-37	4.4	17
52	AQP4-knockout aggravation of isoprenaline-induced myocardial injury is mediated by p66Shc and endoplasmic reticulum stress. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2017</b> , 44, 1106-1115	4.5	4
51	Circular RNA HIPK2 regulates astrocyte activation via cooperation of autophagy and ER stress by targeting MIR124-2HG. <i>Autophagy</i> , <b>2017</b> , 13, 1722-1741	10.2	148
50	circHIPK2-mediated ER promotes endoplasmic reticulum stress in human pulmonary fibroblasts exposed to silica. <i>Cell Death and Disease</i> , <b>2017</b> , 8, 3212	9.8	29
49	An Increase of Sigma-1 Receptor in the Penumbra Neuron after Acute Ischemic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2017</b> , 26, 1981-1987	2.8	11
48	Neuronal Nitric Oxide Synthase Contributes to PTZ Kindling-Induced Cognitive Impairment and Depressive-Like Behavior. <i>Frontiers in Behavioral Neuroscience</i> , <b>2017</b> , 11, 203	3.5	19
47	Neuronal Nitric Oxide Synthase Contributes to PTZ Kindling Epilepsy-Induced Hippocampal Endoplasmic Reticulum Stress and Oxidative Damage. <i>Frontiers in Cellular Neuroscience</i> , <b>2017</b> , 11, 377	6.1	39
46	Role of MCP1 in the Endothelial-Mesenchymal Transition Induced by Silica. <i>Cellular Physiology and Biochemistry</i> , <b>2016</b> , 40, 309-325	3.9	25
45	iNOS Induces Vascular Endothelial Cell Migration and Apoptosis Via Autophagy in Ischemia/Reperfusion Injury. <i>Cellular Physiology and Biochemistry</i> , <b>2016</b> , 38, 1575-88	3.9	55
44	Neogambogic acid prevents silica-induced fibrosis via inhibition of high-mobility group box 1 and MCP-1-induced protein 1. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 309, 129-40	4.6	9
43	Silencing microRNA-143 protects the integrity of the blood-brain barrier: implications for methamphetamine abuse. <i>Scientific Reports</i> , <b>2016</b> , 6, 35642	4.9	48
42	IL-17 induces MIP-1 $\alpha$ expression in primary mouse astrocytes via TRPC channel. <i>Inflammopharmacology</i> , <b>2016</b> , 24, 33-42	5.1	6
41	MCP1 mediates silica-induced cell migration in human pulmonary fibroblasts. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2016</b> , 310, L121-32	5.8	18
40	Neuronal nitric oxide synthase contributes to pentylene-tetrazole-kindling-induced hippocampal neurogenesis. <i>Brain Research Bulletin</i> , <b>2016</b> , 121, 138-47	3.9	16
39	MCP1 Regulates Alveolar Macrophage Apoptosis and Pulmonary Fibroblast Activation After in vitro Exposure to Silica. <i>Toxicological Sciences</i> , <b>2016</b> , 151, 126-38	4.4	24
38	NADPH oxidase activation is required for pentylene-tetrazole kindling-induced hippocampal autophagy. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 94, 230-42	7.8	42
37	Macrophage-derived MCP1 mediates silica-induced pulmonary fibrosis via autophagy. <i>Particle and Fibre Toxicology</i> , <b>2016</b> , 13, 55	8.4	63

36	Mir143-BBC3 cascade reduces microglial survival via interplay between apoptosis and autophagy: Implications for methamphetamine-mediated neurotoxicity. <i>Autophagy</i> , <b>2016</b> , 12, 1538-59	10.2	35
35	Role of human pulmonary fibroblast-derived MCP-1 in cell activation and migration in experimental silicosis. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 288, 152-60	4.6	26
34	NMDA receptor NR2B subunits contribute to PTZ-kindling-induced hippocampal astrogliosis and oxidative stress. <i>Brain Research Bulletin</i> , <b>2015</b> , 114, 70-8	3.9	57
33	Involvement of sigma-1 receptor in astrocyte activation induced by methamphetamine via up-regulation of its own expression. <i>Journal of Neuroinflammation</i> , <b>2015</b> , 12, 29	10.1	50
32	Poly-adenine-based programmable engineering of gold nanoparticles for highly regulated spherical DNazymes. <i>Nanoscale</i> , <b>2015</b> , 7, 18671-6	7.7	29
31	MCPIP1 Regulates Fibroblast Migration in 3-D Collagen Matrices Downstream of MAP Kinases and NF- $\kappa$ B. <i>Journal of Investigative Dermatology</i> , <b>2015</b> , 135, 2944-2954	4.3	13
30	p53/PUMA expression in human pulmonary fibroblasts mediates cell activation and migration in silicosis. <i>Scientific Reports</i> , <b>2015</b> , 5, 16900	4.9	24
29	The Role of MCPIP1 in Ischemia/Reperfusion Injury-Induced HUVEC Migration and Apoptosis. <i>Cellular Physiology and Biochemistry</i> , <b>2015</b> , 37, 577-91	3.9	29
28	Role of high-mobility group box 1 in methamphetamine-induced activation and migration of astrocytes. <i>Journal of Neuroinflammation</i> , <b>2015</b> , 12, 156	10.1	25
27	Pericytes contribute to the disruption of the cerebral endothelial barrier via increasing VEGF expression: implications for stroke. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124362	3.7	55
26	MCP-1-Induced Protein Promotes Human Pulmonary Fibroblast Migration Induced by SiO <sub>2</sub> via MAPKs and PI3K Signaling. <i>FASEB Journal</i> , <b>2015</b> , 29, 411.9	0.9	
25	Expression of green fluorescent protein in human foreskin fibroblasts for use in 2D and 3D culture models. <i>Wound Repair and Regeneration</i> , <b>2014</b> , 22, 134-40	3.6	14
24	IL-17A induces MIP-1 $\alpha$ expression in primary astrocytes via Src/MAPK/PI3K/NF- $\kappa$ B pathways: implications for multiple sclerosis. <i>Journal of Neuroimmune Pharmacology</i> , <b>2014</b> , 9, 629-41	6.9	35
23	Possible roles of astrocytes in estrogen neuroprotection during cerebral ischemia. <i>Reviews in the Neurosciences</i> , <b>2014</b> , 25, 255-68	4.7	19
22	Platelet-derived growth factor-BB restores HIV Tat -mediated impairment of neurogenesis: role of GSK-3 $\beta$ /E-cadherin. <i>Journal of Neuroimmune Pharmacology</i> , <b>2014</b> , 9, 259-68	6.9	19
21	Angiotensin type 2 receptors in the intermediolateral cell column of the spinal cord: negative regulation of sympathetic nerve activity and blood pressure. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 4046-55	3.2	13
20	Attachment-regulated signaling networks in the fibroblast-populated 3D collagen matrix. <i>Scientific Reports</i> , <b>2013</b> , 3, 1880	4.9	8
19	Involvement of miR-9/MCPIP1 axis in PDGF-BB-mediated neurogenesis in neuronal progenitor cells. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e960	9.8	27

18	Angiotensin II increased neuronal stem cell proliferation: role of AT2R. <i>PLoS ONE</i> , <b>2013</b> , 8, e63488	3.7	21
17	Dexamethasone blocks the systemic inflammation of alveolar hypoxia at several sites in the inflammatory cascade. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 303, H1682-77	5.2	16
16	Ontogeny of angiotensin type 2 and type 1 receptor expression in mice. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , <b>2012</b> , 13, 341-52	3	27
15	Blunted Arterial Baroreflex Sensitivity: A Contributor to Hypertension in Angiotensin Type 2 Receptor Knockout Mice. <i>FASEB Journal</i> , <b>2012</b> , 26, 893.7	0.9	
14	Imbalance of Angiotensin Receptor Expression and Function in the Spinal Cord: Potential Mechanism of Sympathetic Overactivity in CHF Rats. <i>FASEB Journal</i> , <b>2012</b> , 26, 893.10	0.9	
13	Alveolar macrophages initiate the systemic microvascular inflammatory response to alveolar hypoxia. <i>Respiratory Physiology and Neurobiology</i> , <b>2011</b> , 178, 439-48	2.8	25
12	Monocyte chemoattractant protein-1 released from alveolar macrophages mediates the systemic inflammation of acute alveolar hypoxia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2011</b> , 45, 53-61	5.7	39
11	Activation of central angiotensin type 2 receptors suppresses norepinephrine excretion and blood pressure in conscious rats. <i>American Journal of Hypertension</i> , <b>2011</b> , 24, 724-30	2.3	59
10	Renin released from mast cells activated by circulating MCP-1 initiates the microvascular phase of the systemic inflammation of alveolar hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H2264-70	5.2	18
9	Renin liberated from MCP-1/CCL2-activated mast cells initiates the systemic inflammation of alveolar hypoxia. <i>FASEB Journal</i> , <b>2011</b> , 25, 1110.12	0.9	
8	Monocyte Chemoattractant Protein-1 (MCP-1) released from hypoxic alveolar macrophages activates systemic mast cells. <i>FASEB Journal</i> , <b>2010</b> , 24, 990.17	0.9	
7	Monocyte Chemoattractant Protein-1 (MCP-1) released from alveolar macrophages mediates the systemic inflammation of alveolar hypoxia. <i>FASEB Journal</i> , <b>2010</b> , 24, 990.16	0.9	
6	The systemic inflammation of alveolar hypoxia is initiated by alveolar macrophage-borne mediator(s). <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2009</b> , 41, 573-82	5.7	40
5	Alveolar hypoxia, alveolar macrophages, and systemic inflammation. <i>Respiratory Research</i> , <b>2009</b> , 10, 54	7.3	24
4	The systemic inflammation of alveolar hypoxia is initiated by a circulating mediator(s) released from alveolar macrophages. <i>FASEB Journal</i> , <b>2009</b> , 23, 762.22	0.9	
3	Renin from activated mast cells mediates the systemic inflammation of alveolar hypoxia. <i>FASEB Journal</i> , <b>2009</b> , 23, 762.25	0.9	
2	Identification from diverse mammalian poxviruses of host-range regulatory genes functioning equivalently to vaccinia virus C7L. <i>Virology</i> , <b>2008</b> , 372, 372-83	3.6	43
1	NADPH oxidase mediates the mesenteric inflammation initiated by alveolar macrophages in alveolar hypoxia. <i>FASEB Journal</i> , <b>2008</b> , 22, 731.1	0.9	

