

# Ji-chun Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

2,992  
citations

172457

29  
h-index

223800

46  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2967  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain-derived Neurotrophic Factor (BDNF)-TrkB Signaling in Inflammation-related Depression and Potential Therapeutic Targets. <i>Current Neuropharmacology</i> , 2016, 14, 721-731.	2.9	366
2	R (âˆ“) -ketamine shows greater potency and longer lasting antidepressant effects than S (+)-ketamine. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 116, 137-141.	2.9	275
3	Mechanistic Target of Rapamycinâ€™Independent Antidepressant Effects of ( R )-Ketamine in a Social Defeat Stress Model. <i>Biological Psychiatry</i> , 2018, 83, 18-28.	1.3	194
4	Antidepressant Effects of TrkB Ligands on Depression-Like Behavior and Dendritic Changes in Mice After Inflammation. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, .	2.1	193
5	Comparison of ketamine, 7,8-dihydroxyflavone, and ANA-12 antidepressant effects in the social defeat stress model of depression. <i>Psychopharmacology</i> , 2015, 232, 4325-4335.	3.1	150
6	Gene deficiency and pharmacological inhibition of soluble epoxide hydrolase confers resilience to repeated social defeat stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1944-52.	7.1	123
7	Alterations in brain-derived neurotrophic factor (BDNF) and its precursor proBDNF in the brain regions of a learned helplessness rat model and the antidepressant effects of a TrkB agonist and antagonist. <i>European Neuropsychopharmacology</i> , 2015, 25, 2449-2458.	0.7	118
8	Role of Keap1-Nrf2 signaling in depression and dietary intake of glucoraphanin confers stress resilience in mice. <i>Scientific Reports</i> , 2016, 6, 30659.	3.3	117
9	AMPA Receptor Activationâ€™Independent Antidepressant Actions of Ketamine Metabolite (S)-Norketamine. <i>Biological Psychiatry</i> , 2018, 84, 591-600.	1.3	97
10	Rapid and Sustained Antidepressant Action of the mGlu2/3 Receptor Antagonist MGS0039 in the Social Defeat Stress Model: Comparison with Ketamine. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, pyw089.	2.1	91
11	Prophylactic effects of sulforaphane on depression-like behavior and dendritic changes in mice after inflammation. <i>Journal of Nutritional Biochemistry</i> , 2017, 39, 134-144.	4.2	90
12	Microglial ERK-NRBP1-CREB-BDNF signaling in sustained antidepressant actions of (R)-ketamine. <i>Molecular Psychiatry</i> , 2022, 27, 1618-1629.	7.9	87
13	Comparison of R-ketamine and rapastinel antidepressant effects in the social defeat stress model of depression. <i>Psychopharmacology</i> , 2016, 233, 3647-3657.	3.1	83
14	Loss of parvalbumin-immunoreactivity in mouse brain regions after repeated intermittent administration of esketamine, but not R-ketamine. <i>Psychiatry Research</i> , 2016, 239, 281-283.	3.3	82
15	Regional differences in the expression of brain-derived neurotrophic factor (BDNF) pro-peptide, proBDNF and preproBDNF in the brain confer stress resilience. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2016, 266, 765-769.	3.2	67
16	Keap1â€™Nrf2 signaling pathway confers resilience versus susceptibility to inescapable electric stress. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2018, 268, 865-870.	3.2	56
17	Peripheral interleukin-6 promotes resilience versus susceptibility to inescapable electric stress. <i>Acta Neuropsychiatrica</i> , 2015, 27, 312-316.	2.1	50
18	Effects of Brilliant Blue G on Serum Tumor Necrosis Factor-Î± Levels and Depression-like Behavior in Mice after Lipopolysaccharide Administration. <i>Clinical Psychopharmacology and Neuroscience</i> , 2014, 12, 31-36.	2.0	49

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19	Antidepressant effects of combination of brexpiprazole and fluoxetine on depression-like behavior and dendritic changes in mice after inflammation. <i>Psychopharmacology</i> , 2017, 234, 525-533.	3.1	49
20	Activation of BDNF by transcription factor Nrf2 contributes to antidepressant-like actions in rodents. <i>Translational Psychiatry</i> , 2021, 11, 140.	4.8	49
21	Adjunctive treatment of brexpiprazole with fluoxetine shows a rapid antidepressant effect in social defeat stress model: Role of BDNF-TrkB signaling. <i>Scientific Reports</i> , 2016, 6, 39209.	3.3	48
22	Depression-like phenotype by deletion of $\alpha 7$ nicotinic acetylcholine receptor: Role of BDNF-TrkB in nucleus accumbens. <i>Scientific Reports</i> , 2016, 6, 36705.	3.3	46
23	Intake of 7,8-Dihydroxyflavone During Juvenile and Adolescent Stages Prevents Onset of Psychosis in Adult Offspring After Maternal Immune Activation. <i>Scientific Reports</i> , 2016, 6, 36087.	3.3	43
24	Effects of escitalopram, R-citalopram, and reboxetine on serum levels of tumor necrosis factor- $\alpha$ , interleukin-10, and depression-like behavior in mice after lipopolysaccharide administration. <i>Pharmacology Biochemistry and Behavior</i> , 2016, 144, 7-12.	2.9	40
25	Role of the NMDA receptor in cognitive deficits, anxiety and depressive-like behavior in juvenile and adult mice after neonatal dexamethasone exposure. <i>Neurobiology of Disease</i> , 2014, 62, 124-134.	4.4	37
26	7,8-Dihydroxyflavone, a TrkB agonist, attenuates behavioral abnormalities and neurotoxicity in mice after administration of methamphetamine. <i>Psychopharmacology</i> , 2014, 231, 159-166.	3.1	36
27	Effects of amycenone on serum levels of tumor necrosis factor- $\alpha$ , interleukin-10, and depression-like behavior in mice after lipopolysaccharide administration. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 136, 7-12.	2.9	33
28	Effects of TrkB agonist 7,8-dihydroxyflavone on sensory gating deficits in mice after administration of methamphetamine. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 106, 124-127.	2.9	31
29	Increased EphA4-ephexin1 signaling in the medial prefrontal cortex plays a role in depression-like phenotype. <i>Scientific Reports</i> , 2017, 7, 7133.	3.3	30
30	Antidepressant effects of TBE-31 and MCE-1, the novel Nrf2 activators, in an inflammation model of depression. <i>European Journal of Pharmacology</i> , 2016, 793, 21-27.	3.5	27
31	Increased Levels of C1q in the Prefrontal Cortex of Adult Offspring after Maternal Immune Activation: Prevention by 7,8-Dihydroxyflavone. <i>Clinical Psychopharmacology and Neuroscience</i> , 2017, 15, 64-67.	2.0	26
32	Deletion of serine racemase confers D-serine $\alpha$ -dependent resilience to chronic social defeat stress. <i>Neurochemistry International</i> , 2018, 116, 43-51.	3.8	18
33	Sulforaphane activates anti-inflammatory microglia, modulating stress resilience associated with BDNF transcription. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 829-839.	6.1	17
34	Intake of 7,8-dihydroxyflavone from pregnancy to weaning prevents cognitive deficits in adult offspring after maternal immune activation. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 479-483.	3.2	14
35	Suppression of abnormal $\alpha$ -synuclein expression by activation of BDNF transcription ameliorates Parkinson's disease-like pathology. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 29, 1-15.	5.1	14
36	Antidepressant Effects of Ketamine on Depression-like Behavior in Juvenile Mice after Neonatal Dexamethasone Exposure. <i>Clinical Psychopharmacology and Neuroscience</i> , 2014, 12, 124-127.	2.0	13

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37	Regulation of BDNF transcription by Nrf2 and MeCP2 ameliorates MPTP-induced neurotoxicity. <i>Cell Death Discovery</i> , 2022, 8, .	4.7	12
38	Short DNA/RNA heteroduplex oligonucleotide interacting proteins are key regulators of target gene silencing. <i>Nucleic Acids Research</i> , 2021, 49, 4864-4876.	14.5	8
39	NRG1 accelerates the forgetting of fear memories and facilitates the induction of long-term depression in adult mice. <i>Psychopharmacology</i> , 2021, 238, 2535-2542.	3.1	4
40	Tropisetron for postoperative cognitive decline. <i>Australian and New Zealand Journal of Psychiatry</i> , 2015, 49, 662-663.	2.3	2
41	In Vivo Evaluation of <sup>11</sup> C-labeled Three Radioligands for Glycine Transporter 1 in the Mouse Brain. <i>Clinical Psychopharmacology and Neuroscience</i> , 2012, 10, 34-43.	2.0	2
42	The role of MeCP2 and the BDNF/TrkB signaling pathway in the stress resilience of mice subjected to CSDS. <i>Psychopharmacology</i> , 2022, 239, 2921-2929.	3.1	2
43	Expression of Human Uncoupling Protein-1 in <i>Escherichia coli</i> Decreases its Survival Under Extremely Acidic Conditions. <i>Current Microbiology</i> , 2022, 79, 77.	2.2	0