Chun Yang

List of Publications by Citations

100 papers	4,609 citations	35 h-index	67 g-index
107 ext. papers	6,033 ext. citations	5.6 avg, IF	6.1 L-index

#	Paper	IF	Citations
100	Nervous system involvement after infection with COVID-19 and other coronaviruses. *Brain, Behavior, and Immunity*, **2020**, 87, 18-22	16.6	967
99	Vicarious traumatization in the general public, members, and non-members of medical teams aiding in COVID-19 control. *Brain, Behavior, and Immunity*, **2020**, 88, 916-919	16.6	483
98	Antidepressant effects of TrkB ligands on depression-like behavior and dendritic changes in mice after inflammation. *International Journal of Neuropsychopharmacology*, **2014**, 18,	5.8	156
97	Serum interleukin-6 is a predictive biomarker for ketamine's antidepressant effect in treatment-resistant patients with major depression. *Biological Psychiatry*, **2015**, 77, e19-e20	7.9	131
96	Mechanistic Target of Rapamycin-Independent Antidepressant Effects of (R)-Ketamine in a Social Defeat Stress Model. *Biological Psychiatry*, **2018**, 83, 18-28	7.9	124
95	Comparison of ketamine, 7,8-dihydroxyflavone, and ANA-12 antidepressant effects in the social defeat stress model of depression. *Psychopharmacology*, **2015**, 232, 4325-35	4.7	123
94	Possible role of the gut microbiota-brain axis in the antidepressant effects of (R)-ketamine in a social defeat stress model. *Translational Psychiatry*, **2017**, 7, 1294	8.6	116
93	(R)-Ketamine Shows Greater Potency and Longer Lasting Antidepressant Effects Than Its Metabolite (2R,6R)-Hydroxynorketamine. *Biological Psychiatry*, **2017**, 82, e43-e44	7.9	104
92	Gene deficiency and pharmacological inhibition of soluble epoxide hydrolase confers resilience to repeated social defeat stress. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E1944-52	11.5	99
91	Bifidobacterium in the gut microbiota confer resilience to chronic social defeat stress in mice. *Scientific Reports*, **2017**, 7, 45942	4.9	95
90	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. *European Neuropsychopharmacology*, **2015**, 25, 2449-58	1.2	93
89	Epigenetic silencing of miR-130b in ovarian cancer promotes the development of multidrug resistance by targeting colony-stimulating factor 1. *Gynecologic Oncology*, **2012**, 124, 325-34	4.9	90
88	Role of Keap1-Nrf2 signaling in depression and dietary intake of glucoraphanin confers stress resilience in mice. *Scientific Reports*, **2016**, 6, 30659	4.9	85
87	Abnormal gut microbiota composition contributes to cognitive dysfunction in SAMP8 mice. *Aging*, **2018**, 10, 1257-1267	5.6	83
86	Molecular and cellular mechanisms underlying the antidepressant effects of ketamine enantiomers and its metabolites. *Translational Psychiatry*, **2019**, 9, 280	8.6	82
85	Regional differences in brain-derived neurotrophic factor levels and dendritic spine density confer resilience to inescapable stress. *International Journal of Neuropsychopharmacology*, **2015**, 18, pyu121	5.8	78
84	Key role of gut microbiota in anhedonia-like phenotype in rodents with neuropathic pain. *Translational Psychiatry*, **2019**, 9, 57	8.6	73

83	Rapid and Sustained Antidepressant Action of the mGlu2/3 Receptor Antagonist MGS0039 in the Social Defeat Stress Model: Comparison with Ketamine. *International Journal of Neuropsychopharmacology*, **2017**, 20, 228-236	5.8	71
82	Comparison of R-ketamine and rapastinel antidepressant effects in the social defeat stress model of depression. *Psychopharmacology*, **2016**, 233, 3647-57	4.7	69
81	Prophylactic effects of sulforaphane on depression-like behavior and dendritic changes in mice after inflammation. *Journal of Nutritional Biochemistry*, **2017**, 39, 134-144	6.3	67
80	Loss of parvalbumin-immunoreactivity in mouse brain regions after repeated intermittent administration of esketamine, but not R-ketamine. *Psychiatry Research*, **2016**, 239, 281-3	9.9	67
79	Comparison of (R)-ketamine and lanicemine on depression-like phenotype and abnormal composition of gut microbiota in a social defeat stress model. *Scientific Reports*, **2017**, 7, 15725	4.9	66
78	(2R,6R)-Hydroxynorketamine is not essential for the antidepressant actions of (R)-ketamine in mice. *Neuropsychopharmacology*, **2018**, 43, 1900-1907	8.7	61
77	AMPA Receptor Activation-Independent Antidepressant Actions of Ketamine Metabolite (S)-Norketamine. *Biological Psychiatry*, **2018**, 84, 591-600	7.9	61
76	Regional differences in the expression of brain-derived neurotrophic factor (BDNF) pro-peptide, proBDNF and preproBDNF in the brain confer stress resilience. *European Archives of Psychiatry and Clinical Neuroscience*, **2016**, 266, 765-769	5.1	46
75	Impact of ovarian endometrioma on ovarian responsiveness and IVF: a systematic review and meta-analysis. *Reproductive BioMedicine Online*, **2015**, 31, 9-19	4	45
74	Ketamine exerts antidepressant effects and reduces IL-1β and IL-6 levels in rat prefrontal cortex and hippocampus. *Experimental and Therapeutic Medicine*, **2013**, 5, 1093-1096	2.1	44
73	Chronic lipopolysaccharide exposure induces cognitive dysfunction without affecting BDNF expression in the rat hippocampus. *Experimental and Therapeutic Medicine*, **2014**, 7, 750-754	2.1	39
72	Adjunctive treatment of brexpiprazole with fluoxetine shows a rapid antidepressant effect in social defeat stress model: Role of BDNF-TrkB signaling. *Scientific Reports*, **2016**, 6, 39209	4.9	39
71	Peripheral interleukin-6 promotes resilience versus susceptibility to inescapable electric stress. *Acta Neuropsychiatrica*, **2015**, 27, 312-6	3.9	38
70	Abnormal gut microbiota composition contributes to the development of type 2 diabetes mellitus in db/db mice. *Aging*, **2019**, 11, 10454-10467	5.6	37
69	Antidepressant effects of combination of brexpiprazole and fluoxetine on depression-like behavior and dendritic changes in mice after inflammation. *Psychopharmacology*, **2017**, 234, 525-533	4.7	36
68	Role of Actinobacteria and Coriobacteriia in the antidepressant effects of ketamine in an inflammation model of depression. *Pharmacology Biochemistry and Behavior*, **2019**, 176, 93-100	3.9	36
67	Rapid antidepressant effects and abuse liability of ketamine. *Psychopharmacology*, **2014**, 231, 2041-2	4.7	35
66	Abnormal gut microbiota composition contributes to cognitive dysfunction in streptozotocin-induced diabetic mice. *Aging*, **2019**, 11, 3262-3279	5.6	33

65	Effects of escitalopram, R-citalopram, and reboxetine on serum levels of tumor necrosis factor-α, interleukin-10, and depression-like behavior in mice after lipopolysaccharide administration. *Pharmacology Biochemistry and Behavior*, **2016**, 144, 7-12	3.9	32
64	Depression-like phenotype by deletion of α7 nicotinic acetylcholine receptor: Role of BDNF-TrkB in nucleus accumbens. *Scientific Reports*, **2016**, 6, 36705	4.9	31
63	Intake of 7,8-Dihydroxyflavone During Juvenile and Adolescent Stages Prevents Onset of Psychosis in Adult Offspring After Maternal Immune Activation. *Scientific Reports*, **2016**, 6, 36087	4.9	31
62	Essential role of microglial transforming growth factor-β1 in antidepressant actions of (R)-ketamine and the novel antidepressant TGF-β1. *Translational Psychiatry*, **2020**, 10, 32	8.6	30
61	Anesthesia and surgery induce cognitive dysfunction in elderly male mice: the role of gut microbiota. *Aging*, **2019**, 11, 1778-1790	5.6	29
60	The Role of Bacteria and Its Derived Metabolites in Chronic Pain and Depression: Recent Findings and Research Progress. *International Journal of Neuropsychopharmacology*, **2020**, 23, 26-41	5.8	29
59	Abnormal composition of gut microbiota contributes to delirium-like behaviors after abdominal surgery in mice. *CNS Neuroscience and Therapeutics*, **2019**, 25, 685-696	6.8	28
58	Regional differences in dendritic spine density confer resilience to chronic social defeat stress. *Acta Neuropsychiatrica*, **2018**, 30, 117-122	3.9	28
57	Sulforaphane Alleviates Lipopolysaccharide-induced Spatial Learning and Memory Dysfunction in Mice: The Role of BDNF-mTOR Signaling Pathway. *Neuroscience*, **2018**, 388, 357-366	3.9	26
56	Multiple-dose and double-dose versus single-dose administration of methotrexate for the treatment of ectopic pregnancy: a systematic review and meta-analysis. *Reproductive BioMedicine Online*, **2017**, 34, 383-391	4	22
55	Antidepressant effects of TBE-31 and MCE-1, the novel Nrf2 activators, in an inflammation model of depression. *European Journal of Pharmacology*, **2016**, 793, 21-27	5.3	22
54	Role of Keap1-Nrf2 Signaling in Anhedonia Symptoms in a Rat Model of Chronic Neuropathic Pain: Improvement With Sulforaphane. *Frontiers in Pharmacology*, **2018**, 9, 887	5.6	19
53	Is (S)-norketamine an alternative antidepressant for esketamine?. *European Archives of Psychiatry and Clinical Neuroscience*, **2019**, 269, 867-868	5.1	19
52	PGC-1α-FNDC5-BDNF signaling pathway in skeletal muscle confers resilience to stress in mice subjected to chronic social defeat. *Psychopharmacology*, **2018**, 235, 3351-3358	4.7	17
51	Increased EphA4-ephexin1 signaling in the medial prefrontal cortex plays a role in depression-like phenotype. *Scientific Reports*, **2017**, 7, 7133	4.9	14
50	Anesthesia and surgery induce delirium-like behavior in susceptible mice: the role of oxidative stress. *American Journal of Translational Research (discontinued)*, **2018**, 10, 2435-2444	3	14
49	The Role of Cardiokines in Heart Diseases: Beneficial or Detrimental?. *BioMed Research International*, **2018**, 2018, 8207058	3	14
48	Deleterious effects of viral pneumonia on cardiovascular system. *European Heart Journal*, **2020**, 41, 1833-1838	9.5	13

47	Relationship between Volatile Anesthetics and Tumor Progression: Unveiling the Mystery. *Current Medical Science*, **2018**, 38, 962-967	2.8	13
46	Peripheral IL-6 signaling: a promising therapeutic target for depression?. *Expert Opinion on Investigational Drugs*, **2015**, 24, 989-90	5.9	12
45	Brain-derived neurotrophic factor-TrkB signaling in the medial prefrontal cortex plays a role in the anhedonia-like phenotype after spared nerve injury. *European Archives of Psychiatry and Clinical Neuroscience*, **2020**, 270, 195-205	5.1	12
44	New Insights Into the Comorbidity of Coronary Heart Disease and Depression. *Current Problems in Cardiology*, **2021**, 46, 100413	17.1	12
43	Ketamine Alleviates Postoperative Depression-Like Symptoms in Susceptible Mice: The Role of BDNF-TrkB Signaling. *Frontiers in Pharmacology*, **2019**, 10, 1702	5.6	11
42	Apolipoprotein M Protects Against Lipopolysaccharide-Induced Acute Lung Injury via Sphingosine-1-Phosphate Signaling. *Inflammation*, **2018**, 41, 643-653	5.1	11
41	Abnormalities in Inflammatory Cytokines Confer Susceptible to Chronic Neuropathic Pain-related Anhedonia in a Rat Model of Spared Nerve Injury. *Clinical Psychopharmacology and Neuroscience*, **2019**, 17, 189-199	3.4	11
40	Alterations in the BDNF-mTOR Signaling Pathway in the Spinal Cord Contribute to Hyperalgesia in a Rodent Model of Chronic Restraint Stress. *Neuroscience*, **2019**, 409, 142-151	3.9	9
39	Enterochromaffin cells in the gut: a distant regulator of brain function?. *Gut*, **2018**, 67, 1557-1558	19.2	9
38	Prenatal exposure to ambient air multi-pollutants significantly impairs intrauterine fetal development trajectory. *Ecotoxicology and Environmental Safety*, **2020**, 201, 110726	7	8
37	Perioperative neurocognitive dysfunction: thinking from the gut?. *Aging*, **2020**, 12, 15797-15817	5.6	8
36	Gut microbiota transplantation from db/db mice induces diabetes-like phenotypes and alterations in Hippo signaling in pseudo germ-free mice. *Aging*, **2020**, 12, 24156-24167	5.6	8
35	HOTAIR promotes paclitaxel resistance by regulating CHEK1 in ovarian cancer. *Cancer Chemotherapy and Pharmacology*, **2020**, 86, 295-305	3.5	8
34	Myokines: A promising therapeutic target for hepatic encephalopathy. *Journal of Hepatology*, **2017**, 66, 1099-1100	13.4	7
33	Differential expression of serum biomarkers in hemodialysis patients with mild cognitive decline: A prospective single-center cohort study. *Scientific Reports*, **2018**, 8, 12250	4.9	7
32	Contribution of skeletal muscular glycine to rapid antidepressant effects of ketamine in an inflammation-induced mouse model of depression. *Psychopharmacology*, **2019**, 236, 3513-3523	4.7	7
31	Microglial ERK-NRBP1-CREB-BDNF signaling in sustained antidepressant actions of (R)-ketamine. *Molecular Psychiatry*, **2021**,	15.1	7
30	Alterations in amino acid levels in mouse brain regions after adjunctive treatment of brexpiprazole with fluoxetine: comparison with (R)-ketamine. *Psychopharmacology*, **2017**, 234, 3165-3173	4.7	6

29	Prevalence and predisposing factors of depressive symptoms in patients with stable coronary artery disease: a cross-sectional single-center study. *Aging*, **2019**, 11, 3958-3968	5.6	5
28	Metabolic remodeling induced by mitokines in heart failure. *Aging*, **2019**, 11, 7307-7327	5.6	5
27	Let-7e Suppresses DNA Damage Repair and Sensitizes Ovarian Cancer to Cisplatin through Targeting PARP1. *Molecular Cancer Research*, **2020**, 18, 436-447	6.6	5
26	Chronic Exposure to PM Nitrate, Sulfate, and Ammonium Causes Respiratory System Impairments in Mice. *Environmental Science & Technology*, **2021**, 55, 3081-3090	10.3	5
25	Role of angiotensin-converting enzyme 2 in neurodegenerative diseases during the COVID-19 pandemic. *Aging*, **2020**, 12, 24453-24461	5.6	4
24	Combination of Nitrous Oxide with Isoflurane or Scopolamine for Treatment-resistant Major Depression. *Clinical Psychopharmacology and Neuroscience*, **2015**, 13, 118-20	3.4	4
23	The role of gut-brain axis in SARA-CoV-2 neuroinvasion: Culprit or innocent bystander?. *Brain, Behavior, and Immunity*, **2021**, 94, 476-477	16.6	4
22	Revealing consensus gene pathways associated with respiratory functions and disrupted by PM2.5 nitrate exposure at bulk tissue and single cell resolution. *Environmental Pollution*, **2021**, 280, 116951	9.3	4
21	Effects of dexmedetomidine on delirium and mortality during sedation in ICU patients: a systematic review and meta-analysis protocol. *BMJ Open*, **2019**, 9, e025850	3	3
20	Abnormalities in gut microbiota and serum metabolites in hemodialysis patients with mild cognitive decline: a single-center observational study. *Psychopharmacology*, **2020**, 237, 2739-2752	4.7	3
19	Muscle-brain communication in pain: The key role of myokines. *Brain Research Bulletin*, **2021**, 179, 25-35	3.9	3
18	The Role of the Gastrointestinal System in Neuroinvasion by SARS-CoV-2. *Frontiers in Neuroscience*, **2021**, 15, 694446	5.1	3
17	Less Social Support for Patients With COVID-19: Comparison With the Experience of Nurses. *Frontiers in Psychiatry*, **2021**, 12, 554435	5	3
16	Gut microbiota is involved in the antidepressant-like effect of (S)-norketamine in an inflammation model of depression. *Pharmacology Biochemistry and Behavior*, **2021**, 207, 173226	3.9	3
15	miR-98-5p plays a critical role in depression and antidepressant effect of ketamine. *Translational Psychiatry*, **2021**, 11, 454	8.6	3
14	Tropisetron for postoperative cognitive decline. *Australian and New Zealand Journal of Psychiatry*, **2015**, 49, 662-3	2.6	2
13	Differential Levels of Hippo Signaling in Selected Brain and Peripheral Tissues in Streptozotocin-Induced Cognitive Dysfunction in Mice. *Neuroscience*, **2019**, 421, 48-58	3.9	2
12	Dietary-Induced Elevations of Triglyceride-Rich Lipoproteins Promote Atherosclerosis in the Low-Density Lipoprotein Receptor Knockout Syrian Golden Hamster. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 738060	5.4	2

11	The Role of Gut Microbiota in the Antidepressant Effects of Ketamine **2020**, 127-141		2
10	Is SARS-CoV-2 vaccination safe and effective for elderly individuals with neurodegenerative diseases?. *Expert Review of Vaccines*, **2021**, 20, 375-383	5.2	2
9	Brain-derived neurotrophic factor: An available biomarker to predict and diagnose sarcopenia in hemodialysis patients?. *Geriatrics and Gerontology International*, **2021**, 21, 542-543	2.9	1
8	Pivotal role of the gut microbiota in congenital insensitivity to pain with anhidrosis. *Psychopharmacology*, **2021**, 238, 3131-3142	4.7	1
7	STAT4 and COL1A2 are potential diagnostic biomarkers and therapeutic targets for heart failure comorbided with depression.. *Brain Research Bulletin*, **2022**, 184, 68-75	3.9	1
6	Brain-heart communication in health and diseases.. *Brain Research Bulletin*, **2022**, 183, 27-37	3.9	1
5	Special issue on Brain–Body communication in health and diseases. *Brain Research Bulletin*, **2022**, 186, 47-49	3.9	1
4	Gut microbiota is involved in the antidepressant effects of adipose-derived mesenchymal stem cells in chronic social defeat stress mouse model.. *Psychopharmacology*, **2022**, 239, 533	4.7	0
3	Sulforaphane improves cognitive dysfunction after surgery and anesthesia in mice: The role of Keap1-Nrf2 signaling.. *Brain Research Bulletin*, **2022**, 181, 1-11	3.9	0
2	Commentary: Serum Biomarkers Are Potential Diagnosis and Treatment Targets for Depressive Symptoms in Patients With Cardiovascular Diseases. *Frontiers in Psychiatry*, **2021**, 12, 649705	5	0
1	Changes in Rats' Gut Microbiota Composition Caused by Induced Chronic Myocardial Infarction Lead to Depression-Like Behavior.. *Frontiers in Microbiology*, **2021**, 12, 641084	5.7	0