

Jian-jun Chen

List of Publications by Year in descending order

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76
papers

5,509
citations

109321

35
h-index

85541

71
g-index

79
all docs

79
docs citations

79
times ranked

6871
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut microbiome remodeling induces depressive-like behaviors through a pathway mediated by the host's metabolism. <i>Molecular Psychiatry</i> , 2016, 21, 786-796.	7.9	1,397
2	The gut microbiome from patients with schizophrenia modulates the glutamate-glutamine-GABA cycle and schizophrenia-relevant behaviors in mice. <i>Science Advances</i> , 2019, 5, eaau8317.	10.3	446
3	Blend Sign on Computed Tomography. <i>Stroke</i> , 2015, 46, 2119-2123.	2.0	235
4	Sex differences in gut microbiota in patients with major depressive disorder. <i>Neuropsychiatric Disease and Treatment</i> , 2018, Volume 14, 647-655.	2.2	193
5	Minimally Invasive Surgery for Spontaneous Supratentorial Intracerebral Hemorrhage. <i>Stroke</i> , 2012, 43, 2923-2930.	2.0	189
6	Left versus right repetitive transcranial magnetic stimulation in treating major depression: A meta-analysis of randomised controlled trials. <i>Psychiatry Research</i> , 2013, 210, 1260-1264.	3.3	170
7	Diagnosis of major depressive disorder based on changes in multiple plasma neurotransmitters: a targeted metabolomics study. <i>Translational Psychiatry</i> , 2018, 8, 130.	4.8	152
8	Meta-analyses of comparative efficacy of antidepressant medications on peripheral BDNF concentration in patients with depression. <i>PLoS ONE</i> , 2017, 12, e0172270.	2.5	130
9	Comparative metaproteomics analysis shows altered fecal microbiota signatures in patients with major depressive disorder. <i>NeuroReport</i> , 2018, 29, 417-425.	1.2	126
10	Associations between disordered gut microbiota and changes of neurotransmitters and short-chain fatty acids in depressed mice. <i>Translational Psychiatry</i> , 2020, 10, 350.	4.8	106
11	A Novel Urinary Metabolite Signature for Diagnosing Major Depressive Disorder. <i>Journal of Proteome Research</i> , 2013, 12, 5904-5911.	3.7	98
12	Comparative efficacy and acceptability of electroconvulsive therapy versus repetitive transcranial magnetic stimulation for major depression: A systematic review and multiple-treatments meta-analysis. <i>Behavioural Brain Research</i> , 2017, 320, 30-36.	2.2	91
13	Efficacy of ketamine in the rapid treatment of major depressive disorder: a meta-analysis of randomized, double-blind, placebo-controlled studies. <i>Neuropsychiatric Disease and Treatment</i> , 2016, Volume 12, 2859-2867.	2.2	87
14	Urinary biomarker panel for diagnosing patients with depression and anxiety disorders. <i>Translational Psychiatry</i> , 2018, 8, 192.	4.8	83
15	Proteomics reveals energy and glutathione metabolic dysregulation in the prefrontal cortex of a rat model of depression. <i>Neuroscience</i> , 2013, 247, 191-200.	2.3	81
16	Combined Metabolomics and Proteomics Analysis of Major Depression in an Animal Model: Perturbed Energy Metabolism in the Chronic Mild Stressed Rat Cerebellum. <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 383-392.	2.0	80
17	Effects of gut microbiota on the microRNA and mRNA expression in the hippocampus of mice. <i>Behavioural Brain Research</i> , 2017, 322, 34-41.	2.2	77
18	Divergent Urinary Metabolic Phenotypes between Major Depressive Disorder and Bipolar Disorder Identified by a Combined GC-MS and NMR Spectroscopic Metabonomic Approach. <i>Journal of Proteome Research</i> , 2015, 14, 3382-3389.	3.7	71

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19	Metabolite identification in fecal microbiota transplantation mouse livers and combined proteomics with chronic unpredictable mild stress mouse livers. <i>Translational Psychiatry</i> , 2018, 8, 34.	4.8	70
20	A systematic review and meta-analysis of deep brain stimulation in treatment-resistant depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 82, 224-232.	4.8	68
21	Combined Application of NMR- and GC-MS-Based Metabonomics Yields a Superior Urinary Biomarker Panel for Bipolar Disorder. <i>Scientific Reports</i> , 2014, 4, 5855.	3.3	65
22	iTRAQ-based quantitative analysis of hippocampal postsynaptic density-associated proteins in a rat chronic mild stress model of depression. <i>Neuroscience</i> , 2015, 298, 220-292.	2.3	64
23	Differential urinary metabolites related with the severity of major depressive disorder. <i>Behavioural Brain Research</i> , 2017, 332, 280-287.	2.2	59
24	Metabolomic identification of molecular changes associated with stress resilience in the chronic mild stress rat model of depression. <i>Metabolomics</i> , 2013, 9, 433-443.	3.0	58
25	Bilateral vs. unilateral repetitive transcranial magnetic stimulation in treating major depression: A meta-analysis of randomized controlled trials. <i>Psychiatry Research</i> , 2014, 219, 51-57.	3.3	53
26	Identification of sex-specific urinary biomarkers for major depressive disorder by combined application of NMR- and GC-MS-based metabonomics. <i>Translational Psychiatry</i> , 2016, 6, e955-e955.	4.8	53
27	Microbiota Modulates Behavior and Protein Kinase C mediated cAMP response element-binding protein Signaling. <i>Scientific Reports</i> , 2016, 6, 29998.	3.3	51
28	<i>Clostridium butyricum</i> miyairi 588 has preventive effects on chronic social defeat stress-induced depressive-like behaviour and modulates microglial activation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 430-436.	2.1	51
29	Do soy isoflavones improve cognitive function in postmenopausal women? A meta-analysis. <i>Menopause</i> , 2015, 22, 198-206.	2.0	49
30	Potential clinical utility of plasma amino acid profiling in the detection of major depressive disorder. <i>Psychiatry Research</i> , 2012, 200, 1054-1057.	3.3	46
31	Repetitive transcranial magnetic stimulation versus electroconvulsive therapy for major depression: a meta-analysis of stimulus parameter effects. <i>Neurological Research</i> , 2013, 35, 1084-1091.	1.3	46
32	Social defeat stress causes depression-like behavior with metabolite changes in the prefrontal cortex of rats. <i>PLoS ONE</i> , 2017, 12, e0176725.	2.5	43
33	Age-specific differential changes on gut microbiota composition in patients with major depressive disorder. <i>Aging</i> , 2020, 12, 2764-2776.	3.1	43
34	Circulating microRNA 134 sheds light on the diagnosis of major depressive disorder. <i>Translational Psychiatry</i> , 2020, 10, 95.	4.8	41
35	Blood glucose fluctuations in hemodialysis patients with end stage diabetic nephropathy. <i>Journal of Diabetes and Its Complications</i> , 2015, 29, 395-399.	2.3	39
36	Up-regulation of SIRT6 in the hippocampus induced rats with depression-like behavior via the block Akt/GSK3 β signaling pathway. <i>Behavioural Brain Research</i> , 2017, 323, 38-46.	2.2	37

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37	Multi-omics data reveals the disturbance of glycerophospholipid metabolism caused by disordered gut microbiota in depressed mice. <i>Journal of Advanced Research</i> , 2022, 39, 135-145.	9.5	37
38	Urinary peptidomics identifies potential biomarkers for major depressive disorder. <i>Psychiatry Research</i> , 2014, 217, 25-33.	3.3	36
39	Hippocampal synaptic dysregulation of exo/endocytosis-associated proteins induced in a chronic mild-stressed rat model. <i>Neuroscience</i> , 2013, 230, 1-12.	2.3	35
40	Plasma disturbance of phospholipid metabolism in major depressive disorder by integration of proteomics and metabolomics. <i>Neuropsychiatric Disease and Treatment</i> , 2018, Volume 14, 1451-1461.	2.2	32
41	Urinary metabolite signature in bipolar disorder patients during depressive episode. <i>Aging</i> , 2019, 11, 1008-1018.	3.1	32
42	MENDA: a comprehensive curated resource of metabolic characterization in depression. <i>Briefings in Bioinformatics</i> , 2020, 21, 1455-1464.	6.5	31
43	Crosstalk of gut microbiota and serum/hippocampus metabolites in neurobehavioral impairments induced by zinc oxide nanoparticles. <i>Nanoscale</i> , 2020, 12, 21429-21439.	5.6	29
44	Intraventricular Hemorrhage and Early Hematoma Expansion in Patients with Intracerebral Hemorrhage. <i>Scientific Reports</i> , 2015, 5, 11357.	3.3	28
45	Direct β -tubulin staining as a destaining-free alternative loading control method for Western blotting. <i>Electrophoresis</i> , 2013, 34, 2234-2239.	2.4	27
46	The Extrinsic Coagulation Pathway: a Biomarker for Suicidal Behavior in Major Depressive Disorder. <i>Scientific Reports</i> , 2016, 6, 32882.	3.3	27
47	Quantitative Proteomic Analysis Reveals Molecular Adaptations in the Hippocampal Synaptic Active Zone of Chronic Mild Stress-Unsusceptible Rats. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyv100.	2.1	27
48	Sex-Specific Urinary Biomarkers for Diagnosing Bipolar Disorder. <i>PLoS ONE</i> , 2014, 9, e115221.	2.5	27
49	Age-specific urinary metabolite signatures and functions in patients with major depressive disorder. <i>Aging</i> , 2019, 11, 6626-6637.	3.1	27
50	Peripheral metabolic abnormalities of lipids and amino acids implicated in increased risk of suicidal behavior in major depressive disorder. <i>Metabolomics</i> , 2013, 9, 688-696.	3.0	25
51	Absence of gut microbiota affects lipid metabolism in the prefrontal cortex of mice. <i>Neurological Research</i> , 2019, 41, 1104-1112.	1.3	24
52	Relationship between burnout and career choice regret among Chinese neurology postgraduates. <i>BMC Medical Education</i> , 2019, 19, 162.	2.4	23
53	CD36 deficiency affects depressive-like behaviors possibly by modifying gut microbiota and the inflammasome pathway in mice. <i>Translational Psychiatry</i> , 2021, 11, 16.	4.8	23
54	Is pindolol augmentation effective in depressed patients resistant to selective serotonin reuptake inhibitors? A systematic review and meta-analysis. <i>Human Psychopharmacology</i> , 2015, 30, 132-142.	1.5	22

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55	Gut Microbiota-Derived Inflammation-Related Serum Metabolites as Potential Biomarkers for Major Depressive Disorder. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 3755-3766.	3.5	22
56	Insight into the metabolic mechanism of Diterpene Ginkgolides on antidepressant effects for attenuating behavioural deficits compared with venlafaxine. <i>Scientific Reports</i> , 2017, 7, 9591.	3.3	19
57	Sema3A - mediated modulation of NR1D1 expression may be involved in the regulation of axonal guidance signaling by the microbiota. <i>Life Sciences</i> , 2019, 223, 54-61.	4.3	19
58	Depressive symptoms and quality of life among Chinese medical postgraduates: a national cross-sectional study. <i>Psychology, Health and Medicine</i> , 2019, 24, 1015-1027.	2.4	18
59	Hippocampus-specific regulation of long non-coding RNA and mRNA expression in germ-free mice. <i>Functional and Integrative Genomics</i> , 2020, 20, 355-365.	3.5	16
60	Extracellular Matrix and Oxidative Phosphorylation: Important Role in the Regulation of Hypothalamic Function by Gut Microbiota. <i>Frontiers in Genetics</i> , 2020, 11, 520.	2.3	16
61	Metabolomic profiling of three brain regions from a postnatal infected Borna disease virus Hu-H1 rat model. <i>Metabolomics</i> , 2014, 10, 484-495.	3.0	13
62	Proteomic analysis of the intestine reveals SNARE-mediated immunoregulatory and amino acid absorption perturbations in a rat model of depression. <i>Life Sciences</i> , 2019, 234, 116778.	4.3	13
63	Microbial regulation of a lincRNA-miRNA-mRNA network in the mouse hippocampus. <i>Epigenomics</i> , 2020, 12, 1377-1387.	2.1	13
64	Diterpene Ginkgolides Exert an Antidepressant Effect Through the NT3-TrkA and Ras-MAPK Pathways. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 1279-1294.	4.3	12
65	Potential Biomarkers for Diagnosing Major Depressive Disorder Patients with Suicidal Ideation. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 495-503.	3.5	12
66	Differential Gut Microbiota Compositions Related With the Severity of Major Depressive Disorder. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	12
67	Altered Fecal Metabolites and Colonic Glycerophospholipids Were Associated With Abnormal Composition of Gut Microbiota in a Depression Model of Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 701355.	2.8	11
68	Gut Microbiota-Related Inflammation Factors as a Potential Biomarker for Diagnosing Major Depressive Disorder. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 831186.	3.9	11
69	Pigment epithelium-derived factor alleviates depressive-like behaviors in mice by modulating adult hippocampal synaptic growth and Wnt pathway. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 98, 109792.	4.8	10
70	Associations Between Disordered Microbial Metabolites and Changes of Neurotransmitters in Depressed Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	9
71	Simultaneous Bilateral Basal Ganglia Hemorrhage. <i>Current Drug Delivery</i> , 2017, 14, 807-815.	1.6	8
72	Short-term efficacy and safety of repaglinide versus glimepiride as augmentation of metformin in treating patients with type 2 diabetes mellitus. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019, Volume 12, 519-526.	2.4	4

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73	<p><p>Dual Metabolomic Platforms Identified a Novel Urinary Metabolite Signature for Hepatitis B Virus-Infected Patients with Depression</p>. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 1677-1683.</p>	2.4	4
74	<p>A multiple-reaction-monitoring mass spectrometric method for simultaneous quantitative analysis of five plasma apolipoproteins. Science China Chemistry, 2014, 57, 723-731.</p>	8.2	3
75	<p>Misidentification of Acute Psychiatric Symptoms in the Emergency Room: Clinical Experience in China. Frontiers in Psychiatry, 2020, 11, 579484.</p>	2.6	2
76	<p>Comparative efficacies of fluoxetine and paroxetine in major depression across varying acute-phase treatment periods: A meta-analysis. Asia-Pacific Psychiatry, 2014, 6, 353-362.</p>	2.2	1