Peng Zheng

List of Publications by Year
in descending order

43 papers	3,073 citations	172457 29 h-index	254184 43 g-index
44 all docs	44 docs citations	44 times ranked	3400 citing authors

#	Article	IF	Citations
1	The gut microbiome from patients with schizophrenia modulates the glutamate-glutamine-GABA cycle and schizophrenia-relevant behaviors in mice. Science Advances, 2019, 5, eaau8317.	10.3	446
2	Plasma Metabonomics as a Novel Diagnostic Approach for Major Depressive Disorder. Journal of Proteome Research, 2012, 11, 1741-1748.	3.7	204
3	Identification and Validation of Urinary Metabolite Biomarkers for Major Depressive Disorder. Molecular and Cellular Proteomics, 2013, 12, 207-214.	3.8	198
4	Landscapes of bacterial and metabolic signatures and their interaction in major depressive disorders. Science Advances, 2020, 6, .	10.3	178
5	Gut microbiota regulates mouse behaviors through glucocorticoid receptor pathway genes in the hippocampus. Translational Psychiatry, 2018, 8, 187.	4.8	174
6	Discovery and Validation of Plasma Biomarkers for Major Depressive Disorder Classification Based on Liquid Chromatographyâ€“Mass Spectrometry. Journal of Proteome Research, 2015, 14, 2322-2330.	3.7	152
7	Diagnosis of major depressive disorder based on changes in multiple plasma neurotransmitters: a targeted metabolomics study. Translational Psychiatry, 2018, 8, 130.	4.8	152
8	An integrated meta-analysis of peripheral blood metabolites and biological functions in major depressive disorder. Molecular Psychiatry, 2021, 26, 4265-4276.	7.9	119
9	The gut microbiome modulates gutâ€“brain axis glycerophospholipid metabolism in a region-specific manner in a nonhuman primate model of depression. Molecular Psychiatry, 2021, 26, 2380-2392.	7.9	102
10	Gut Microbial Signatures Can Discriminate Unipolar from Bipolar Depression. Advanced Science, 2020, 7, 1902862.	11.2	99
11	A Novel Urinary Metabolite Signature for Diagnosing Major Depressive Disorder. Journal of Proteome Research, 2013, 12, 5904-5911.	3.7	98
12	Plasma lipidomics reveals potential lipid markers of major depressive disorder. Analytical and Bioanalytical Chemistry, 2016, 408, 6497-6507.	3.7	95
13	Effects of gut microbiota on the microRNA and mRNA expression in the hippocampus of mice. Behavioural Brain Research, 2017, 322, 34-41.	2.2	77
14	Metabolite identification in fecal microbiota transplantation mouse livers and combined proteomics with chronic unpredictive mild stress mouse livers. Translational Psychiatry, 2018, 8, 34.	4.8	70
15	Combined Application of NMR- and GC-MS-Based Metabonomics Yields a Superior Urinary Biomarker Panel for Bipolar Disorder. Scientific Reports, 2014, 4, 5855.	3.3	65
16	Differential urinary metabolites related with the severity of major depressive disorder. Behavioural Brain Research, 2017, 332, 280-287.	2.2	59
17	Metabolomic identification of molecular changes associated with stress resilience in the chronic mild stress rat model of depression. Metabolomics, 2013, 9, 433-443.	3.0	58
18	Perturbed Microbial Ecology in Myasthenia Gravis: Evidence from the Gut Microbiome and Fecal Metabolome. Advanced Science, 2019, 6, 1901441.	11.2	55

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19	Clostridium butyricum miyairi 588 has preventive effects on chronic social defeat stress-induced depressive-like behaviour and modulates microglial activation in mice. Biochemical and Biophysical Research Communications, 2019, 516, 430-436.	2.1	51
20	Severe disturbance of glucose metabolism in peripheral blood mononuclear cells of schizophrenia patients: a targeted metabolomic study. Journal of Translational Medicine, 2015, 13, 226.	4.4	50
21	Predictive diagnosis of major depression using NMR-based metabolomics and least-squares support vector machine. Clinica Chimica Acta, 2017, 464, 223-227.	1.1	49
22	Characterization of gut microbiome in mice model of depression with divergent response to escitalopram treatment. Translational Psychiatry, 2021, 11, 303.	4.8	48
23	Metabolite signature for diagnosing major depressive disorder in peripheral blood mononuclear cells. Journal of Affective Disorders, 2016, 195, 75-81.	4.1	45
24	2,4-Dihydroxypyrimidine is a potential urinary metabolite biomarker for diagnosing bipolar disorder. Molecular BioSystems, 2014, 10, 813.	2.9	41
25	Circulating microRNA 134 sheds light on the diagnosis of major depressive disorder. Translational Psychiatry, 2020, 10, 95.	4.8	41
26	Macaques Exhibit a Naturally-Occurring Depression Similar to Humans. Scientific Reports, 2015, 5, 9220.	3.3	39
27	Urinary peptidomics identifies potential biomarkers for major depressive disorder. Psychiatry Research, 2014, 217, 25-33.	3.3	36
28	Novel urinary biomarkers for diagnosing bipolar disorder. Metabolomics, 2013, 9, 800-808.	3.0	33
29	Absence of gut microbiota during early life affects anxiolytic Behaviors and monoamine neurotransmitters system in the hippocampal of mice. Journal of the Neurological Sciences, 2019, 400, 160-168.	0.6	33
30	Sex-Specific Urinary Biomarkers for Diagnosing Bipolar Disorder. PLoS ONE, 2014, 9, e115221.	2.5	27
31	Age-specific urinary metabolite signatures and functions in patients with major depressive disorder. Aging, 2019, 11, 6626-6637.	3.1	27
32	Peripheral metabolic abnormalities of lipids and amino acids implicated in increased risk of suicidal behavior in major depressive disorder. Metabolomics, 2013, 9, 688-696.	3.0	25
33	Age-related changes in microbial composition and function in cynomolgus macaques. Aging, 2019, 11, 12080-12096.	3.1	25
34	Elevated host lipid metabolism revealed by iTRAQ-based quantitative proteomic analysis of cerebrospinal fluid of tuberculous meningitis patients. Biochemical and Biophysical Research Communications, 2015, 466, 689-695.	2.1	18
35	Hippocampus-specific regulation of long non-coding RNA and mRNA expression in germ-free mice. Functional and Integrative Genomics, 2020, 20, 355-365.	3.5	16
36	Changes in gut viral and bacterial species correlate with altered 1,2-diacylglyceride levels and structure in the prefrontal cortex in a depression-like non-human primate model. Translational Psychiatry, 2022, 12, 74.	4.8	14

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37	Proteomic analysis of the intestine reveals SNARE-mediated immunoregulatory and amino acid absorption perturbations in a rat model of depression. Life Sciences, 2019, 234, 116778.	4.3	13
38	Effects of chronic stress on intestinal amino acid pathways. Physiology and Behavior, 2019, 204, 199-209.	2.1	11
39	Pigment epithelium-derived factor alleviates depressive-like behaviors in mice by modulating adult hippocampal synaptic growth and Wnt pathway. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 98, 109792.	4.8	10
40	Glutamate and Lipid Metabolic Perturbation in the Hippocampi of Asymptomatic Borna Disease Virus-Infected Horses. PLoS ONE, 2014, 9, e99752.	2.5	8
41	Based on UPLC-Q-TOF-MS/MS, Systematic Network Pharmacology, and Molecular Docking to Explore the Potential Mechanism of Fructus Aurantii for Major Depression Disorder. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-11.	1.2	5
42	Dynamic changes occur in the DNA gut virome of female cynomolgus macaques during aging. MicrobiologyOpen, 2021, 10, e1186.	3.0	4
43	Dynamic 1H NMR-based extracellular metabonomic analysis of oligodendroglia cells infected with herpes simplex virus type 1. Metabolomics, 2014, 10, 33-41.	3.0	3