Ke Cheng

List of Publications by Year
in descending order

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81	4,222	236925	118850
papers	citations	25 h-index	62 g-index

82	82	82	5008
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gut microbiome remodeling induces depressive-like behaviors through a pathway mediated by the hostâ€™s metabolism. Molecular Psychiatry, 2016, 21, 786-796.	7.9	1,397
2	Inflammasome signaling affects anxiety- and depressive-like behavior and gut microbiome composition. Molecular Psychiatry, 2016, 21, 797-805.	7.9	400
3	Plasma Metabonomics as a Novel Diagnostic Approach for Major Depressive Disorder. Journal of Proteome Research, 2012, 11, 1741-1748.	3.7	204
4	Gut microbiota regulates mouse behaviors through glucocorticoid receptor pathway genes in the hippocampus. Translational Psychiatry, 2018, 8, 187.	4.8	174
5	Microbiota Modulate Anxiety-Like Behavior and Endocrine Abnormalities in Hypothalamic-Pituitary-Adrenal Axis. Frontiers in Cellular and Infection Microbiology, 2017, 7, 489.	3.9	160
6	Integrated Metabolomics and Proteomics Analysis of Hippocampus in a Rat Model of Depression. Neuroscience, 2018, 371, 207-220.	2.3	132
7	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
8	Altered resting-state dynamic functional brain networks in major depressive disorder: Findings from the REST-meta-MDD consortium. NeuroImage: Clinical, 2020, 26, 102163.	2.7	76
9	Targeted Metabolomic Pathway Analysis and Validation Revealed Glutamatergic Disorder in the Prefrontal Cortex among the Chronic Social Defeat Stress Mice Model of Depression. Journal of Proteome Research, 2016, 15, 3784-3792.	3.7	75
10	Reduced neurogenesis and pre-synaptic dysfunction in the olfactory bulb of a rat model of depression. Neuroscience, 2011, 192, 609-618.	2.3	70
11	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
12	Hippocampal metabolic differences implicate distinctions between physical and psychological stress in four rat models of depression. Translational Psychiatry, 2018, 8, 4.	4.8	66
13	Long noncoding RNA GAS5 regulates the proliferation, migration, and invasion of glioma cells by negatively regulating miRâ€18aâ€5p. Journal of Cellular Physiology, 2019, 234, 757-768.	4.1	66
14	iTRAQ-based quantitative analysis of hippocampal postsynaptic density-associated proteins in a rat chronic mild stress model of depression. Neuroscience, 2015, 298, 220-292.	2.3	64
15	Microbiota Modulates Behavior and Protein Kinase C mediated cAMP response element-binding protein Signaling. Scientific Reports, 2016, 6, 29998.	3.3	51
16	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
17	Plasma-based proteomics reveals lipid metabolic and immunoregulatory dysregulation in post-stroke depression. European Psychiatry, 2014, 29, 307-315.	0.2	48
18	Quantitative proteomics analysis of the liver reveals immune regulation and lipid metabolism dysregulation in a mouse model of depression. Behavioural Brain Research, 2016, 311, 330-339.	2.2	45

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19	Increased apoptosis and different regulation of pro-apoptosis protein bax and anti-apoptosis protein bcl-2 in the olfactory bulb of a rat model of depression. Neuroscience Letters, 2011, 504, 18-22.	2.1	43
20	Individual differences in rumination in healthy and depressive samples: association with brain structure, functional connectivity and depression. Psychological Medicine, 2015, 45, 2999-3008.	4.5	41
21	Pioglitazone attenuates lipopolysaccharide-induced depression-like behaviors, modulates NF-ÍºB/IL-6/STAT3, CREB/BDNF pathways and central serotonergic neurotransmission in mice. International Immunopharmacology, 2017, 49, 178-186.	3.8	41
22	Proteomic analysis of olfactory bulb suggests CACNA1E as a promoter of CREB signaling in microbiota-induced depression. Journal of Proteomics, 2019, 194, 132-147.	2.4	39
23	Proteomics analysis of the gutâ€“brain axis in a gut microbiota-dysbiosis model of depression. Translational Psychiatry, 2021, 11, 568.	4.8	34
24	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
25	Urinary metabolite signature in bipolar disorder patients during depressive episode. Aging, 2019, 11, 1008-1018.	3.1	32
26	Comprehensive analysis of the lysine acetylome and succinylome in the hippocampus of gut microbiota-dysbiosis mice. Journal of Advanced Research, 2021, 30, 27-38.	9.5	26
27	Human but Not Laboratory Borna Disease Virus Inhibits Proliferation and Induces Apoptosis in Human Oligodendrocytes In Vitro. PLoS ONE, 2013, 8, e66623.	2.5	25
28	Integrated phosphoproteomic and metabolomic profiling reveals perturbed pathways in the hippocampus of gut microbiota dysbiosis mice. Translational Psychiatry, 2020, 10, 346.	4.8	24
29	iTRAQ-based proteomics suggests LRP6, NPY and NPY2R perturbation in the hippocampus involved in CSDS may induce resilience and susceptibility. Life Sciences, 2018, 211, 102-117.	4.3	23
30	Factors affecting the ability of extensive green roofs to reduce nutrient pollutants in rainfall runoff. Science of the Total Environment, 2020, 732, 139248.	8.0	23
31	Borna Disease Virus Infection Perturbs Energy Metabolites and Amino Acids in Cultured Human Oligodendroglia Cells. PLoS ONE, 2012, 7, e44665.	2.5	22
32	2D-gel based proteomics unravels neurogenesis and energetic metabolism dysfunction of the olfactory bulb in CUMS rat model. Behavioural Brain Research, 2016, 313, 302-309.	2.2	22
33	Dl-3-n-butylphthalide attenuates mouse behavioral deficits to chronic social defeat stress by regulating energy metabolism via AKT/CREB signaling pathway. Translational Psychiatry, 2020, 10, 49.	4.8	22
34	Major depression accompanied with inflammation and multiple cytokines alterations: Evidences from clinical patients to macaca fascicularis and LPS-induced depressive mice model. Journal of Affective Disorders, 2020, 271, 262-271.	4.1	21
35	Real-Time qPCR Identifies Suitable Reference Genes for Borna Disease Virus-Infected Rat Cortical Neurons. International Journal of Molecular Sciences, 2014, 15, 21825-21839.	4.1	20
36	Different Serotypes of Adeno-Associated Virus Vector- and Lentivirus-Mediated Tropism in Choroid Plexus by Intracerebroventricular Delivery. Human Gene Therapy, 2020, 31, 440-447.	2.7	20

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37	Application and comparison of logistic regression model and neural network model in earthquake-induced landslides susceptibility mapping at mountainous region, China. Geomatics, Natural Hazards and Risk, 2018, 9, 501-523.	4.3	19
38	Sema3A - mediated modulation of NR1D1 expression may be involved in the regulation of axonal guidance signaling by the microbiota. Life Sciences, 2019, 223, 54-61.	4.3	19
39	Evidence for natural Borna disease virus infection in healthy domestic animals in three areas of western China. Archives of Virology, 2014, 159, 1941-1949.	2.1	18
40	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
41	Randomized controlled trials of serotonin-norepinephrine reuptake inhibitor in treating major depressive disorder in children and adolescents: a meta-analysis of efficacy and acceptability. Brazilian Journal of Medical and Biological Research, 2016, 49, .	1.5	18
42	Proteomics reveal energy metabolism and mitogen-activated protein kinase signal transduction perturbation in human Borna disease virus Hu-H1-infected oligodendroglial cells. Neuroscience, 2014, 268, 284-296.	2.3	17
43	GCâ€“MS-Based Metabonomic Profiling Displayed Differing Effects of Borna Disease Virus Natural Strain Hu-H1 and Laboratory Strain V Infection in Rat Cortical Neurons. International Journal of Molecular Sciences, 2015, 16, 19347-19368.	4.1	17
44	Recombinant tissue plasminogen activator induces long-term anxiety-like behaviors via the ERK1/2-GAD1-GABA cascade in the hippocampus of a rat model. Neuropharmacology, 2018, 128, 119-131.	4.1	17
45	An entorhinal-visual cortical circuit regulates depression-like behaviors. Molecular Psychiatry, 2022, 27, 3807-3820.	7.9	17
46	Responses of prophenoloxidase system and related defence parameters of Litopenaeus vannamei to low salinity. Journal of Ocean University of China, 2010, 9, 273-278.	1.2	16
47	Human borna disease virus infection impacts host proteome and histone lysine acetylation in human oligodendroglia cells. Virology, 2014, 464-465, 196-205.	2.4	16
48	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
49	Extracellular Matrix and Oxidative Phosphorylation: Important Role in the Regulation of Hypothalamic Function by Gut Microbiota. Frontiers in Genetics, 2020, 11, 520.	2.3	16
50	Ipsilateral Hippocampal Proteomics Reveals Mitochondrial Antioxidative Stress Impairment in Cortical-Lesioned Chronic Mild Stressed Rats. Current Molecular Medicine, 2014, 14, 1186-1196.	1.3	16
51	Behavioral characterization of CD36 knockout mice with SHIRPA primary screen. Behavioural Brain Research, 2016, 299, 90-96.	2.2	15
52	Metabolomic abnormalities of purine and lipids implicated olfactory bulb dysfunction of CUMS depressive rats. Metabolic Brain Disease, 2020, 35, 649-659.	2.9	15
53	Insights into the minimization of excess sludge production in micro-aerobic reactors coupled with a membrane bioreactor: Characteristics of extracellular polymeric substances. Chemosphere, 2022, 292, 133434.	8.2	14
54	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

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55	The 25(OH)D/VDR signaling may play a role in major depression. Biochemical and Biophysical Research Communications, 2020, 523, 405-410.	2.1	13
56	Microbial regulation of a lincRNAâ€“miRNAâ€“mRNA network in the mouse hippocampus. Epigenomics, 2020, 12, 1377-1387.	2.1	13
57	PNU282987 inhibits amyloidâ€Î² aggregation by upregulating astrocytic endogenous Î±Bâ€crystallin and HSPâ€70 via regulation of the Î±7AChR, PI3K/Akt/HSFâ€1 signaling axis. Molecular Medicine Reports, 2020, 22, 201-208.	2.4	13
58	Proteomic Profiling of Lysine Acetylation Indicates Mitochondrial Dysfunction in the Hippocampus of Gut Microbiota-Absent Mice. Frontiers in Molecular Neuroscience, 2021, 14, 594332.	2.9	13
59	Borna disease virus infection impacts microRNAs associated with nervous system development, cell differentiation, proliferation and apoptosis in the hippocampi of neonatal rats. Molecular Medicine Reports, 2015, 12, 3697-3703.	2.4	12
60	Prolonged chronic social defeat stress promotes less resilience and higher uniformity in depression-like behaviors in adult male mice. Biochemical and Biophysical Research Communications, 2021, 553, 107-113.	2.1	12
61	Rapid susceptibility mapping of earthquake-triggered slope geohazards in Lushan County by combining remote sensing with the AHP model developed for the Wenchuan earthquake. Bulletin of Engineering Geology and the Environment, 2017, 76, 909-921.	3.5	11
62	Altered Fecal Metabolites and Colonic Glycerophospholipids Were Associated With Abnormal Composition of Gut Microbiota in a Depression Model of Mice. Frontiers in Neuroscience, 2021, 15, 701355.	2.8	11
63	Entorhinal cortex-based metabolic profiling of chronic restraint stress mice model of depression. Aging, 2020, 12, 3042-3052.	3.1	11
64	miRâ€187â€3p inhibitor attenuates cerebral ischemia/reperfusion injury by regulating Seipinâ€mediated autophagic flux. International Journal of Molecular Medicine, 2020, 46, 1051-1062.	4.0	11
65	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
66	Proteomic and metabolomic characterization of amygdala in chronic social defeat stress rats. Behavioural Brain Research, 2021, 412, 113407.	2.2	9
67	Renal Safety of Intra-Arterial Treatment after Acute Ischemic Stroke with Multimodal CT Imaging selection. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 2031-2037.	1.6	8
68	Gut microbiota: a new insight into neurological diseases. Chinese Medical Journal, 2023, 136, 1261-1277.	2.3	8
69	A method for identification and reconstruction of hard structural planes, weak interlayer and cavities in the limestone near surface. European Journal of Environmental and Civil Engineering, 2020, 24, 2489-2511.	2.1	7
70	Genome-wide profiling of long noncoding RNA expression patterns and CeRNA analysis in mouse cortical neurons infected with different strains of borna disease virus. Genes and Diseases, 2019, 6, 147-158.	3.4	6
71	An analytical solution of stress distribution around underground gas storage cavern in bedded salt rock. Journal of Renewable and Sustainable Energy, 2018, 10, 034101.	2.0	5
72	Commensal Microbiota Regulation of Metabolic Networks During Olfactory Dysfunction in Mice . Neuropsychiatric Disease and Treatment, 2020, Volume 16, 761-769.	2.2	4

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73	Patterns of photoassimilate translocation between shoots in Chinese chestnut trees during flowering and fruit growth. Australian Forestry, 2015, 78, 86-91.	0.9	3
74	iTRAQ-based proteomics implies inflammasome pathway activation in the prefrontal cortex of CSDS mice may influence resilience and susceptibility. Life Sciences, 2020, 262, 118501.	4.3	3
75	Different inhibitory effects on the proliferation and apoptosis of human and laboratory Borna disease virusâ€'infected human neuroblastoma SHâ€'SY5Y cells inÃ‚Â¿Â½vitro. Molecular Medicine Reports, 2017, 17, 925-931.	2.4	2
76	Implementation of CCNUGrid-Based Drug Virtual Screening Applications Using Workflow Techniques. , 2006, , .		1
77	Regulation of Gut Microbiota Disrupts the Glucocorticoid Receptor Pathway and Inflammation-related Pathways in the Mouse Hippocampus. Experimental Neurobiology, 2021, 30, 59-72.	1.6	1
78	Proteomic Profiling of Lysine Acetylation Indicates Mitochondrial Dysfunction in the Hippocampus of Gut Microbiota-Absent Mice. Frontiers in Molecular Neuroscience, 2021, 14, 594332.	2.9	1
79	A novel sequence detection with channel correlation information and its practical implementation in fast fading channel. , 2009, , .		0
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81	Transformer 2 alpha homolog is a downstream gene of hypoxia-inducible factor 1 subunit alpha and is involved in the progression of pancreatic cancer. Bioengineered, 2022, 13, 13238-13251.	3.2	0