

Jian-Guo Chen

List of Publications by Year in descending order

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67
papers

1,943
citations

257450

24
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276875

41
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67
all docs

67
docs citations

67
times ranked

3072
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel MicroRNA-124/PTPN1 Signal Pathway Mediates Synaptic and Memory Deficits in Alzheimer's Disease. <i>Biological Psychiatry</i> , 2018, 83, 395-405.	1.3	153
2	Stability of surface NMDA receptors controls synaptic and behavioral adaptations to amphetamine. <i>Nature Neuroscience</i> , 2009, 12, 602-610.	14.8	106
3	Aquaporin-4 Deficiency Impairs Synaptic Plasticity and Associative Fear Memory in the Lateral Amygdala: Involvement of Downregulation of Glutamate Transporter-1 Expression. <i>Neuropsychopharmacology</i> , 2012, 37, 1867-1878.	5.4	96
4	Asperterpenes A and B, two unprecedented meroterpenoids from <i>Aspergillus terreus</i> with BACE1 inhibitory activities. <i>Chemical Science</i> , 2016, 7, 6563-6572.	7.4	87
5	Targeting the HDAC2/HNF-4A/miR-101b/AMPK Pathway Rescues Tauopathy and Dendritic Abnormalities in Alzheimer's Disease. <i>Molecular Therapy</i> , 2017, 25, 752-764.	8.2	82
6	The Physiology of BDNF and Its Relationship with ADHD. <i>Molecular Neurobiology</i> , 2015, 52, 1467-1476.	4.0	76
7	Microglia: A Central Player in Depression. <i>Current Medical Science</i> , 2020, 40, 391-400.	1.8	71
8	Long Non-coding RNAs, Novel Culprits, or Bodyguards in Neurodegenerative Diseases. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 10, 269-276.	5.1	70
9	Chronic ceftriaxone treatment rescues hippocampal memory deficit in AQP4 knockout mice via activation of GLT-1. <i>Neuropharmacology</i> , 2013, 75, 213-222.	4.1	65
10	Methionine Sulfoxide Reductase A Negatively Controls Microglia-Mediated Neuroinflammation via Inhibiting ROS/MAPKs/NF- κ B Signaling Pathways Through a Catalytic Antioxidant Function. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 832-847.	5.4	61
11	A-Kinase Anchoring Protein 150 and Protein Kinase A Complex in the Basolateral Amygdala Contributes to Depressive-like Behaviors Induced by Chronic Restraint Stress. <i>Biological Psychiatry</i> , 2019, 86, 131-142.	1.3	49
12	Dorsal raphe projection inhibits the excitatory inputs on lateral habenula and alleviates depressive behaviors in rats. <i>Brain Structure and Function</i> , 2018, 223, 2243-2258.	2.3	48
13	β -Guanidinopropionic acid extends the lifespan of <i>Drosophila melanogaster</i> via an AMP-activated protein kinase-dependent increase in autophagy. <i>Aging Cell</i> , 2015, 14, 1024-1033.	6.7	45
14	miR-214-3p Targets β -Catenin to Regulate Depressive-like Behaviors Induced by Chronic Social Defeat Stress in Mice. <i>Cerebral Cortex</i> , 2019, 29, 1509-1519.	2.9	43
15	Metformin produces anxiolytic-like effects in rats by facilitating GABA _A receptor trafficking to membrane. <i>British Journal of Pharmacology</i> , 2019, 176, 297-316.	5.4	42
16	Preventive and Therapeutic Potential of Vitamin C in Mental Disorders. <i>Current Medical Science</i> , 2018, 38, 1-10.	1.8	41
17	SKF83959 Produces Antidepressant Effects in a Chronic Social Defeat Stress Model of Depression through BDNF-TrkB Pathway. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, .	2.1	40
18	Rapid Antidepressant Effect of Hydrogen Sulfide: Evidence for Activation of mTORC1-TrkB-AMPA Receptor Pathways. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 472-488.	5.4	40

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19	Chronic administration tetrahydroxystilbene glucoside promotes hippocampal memory and synaptic plasticity and activates ERKs, CaMKII and SIRT1/miR-134 in vivo. <i>Journal of Ethnopharmacology</i> , 2016, 190, 74-82.	4.1	38
20	Reversal of aging-related emotional memory deficits by norepinephrine via regulating the stability of surface AMPA receptors. <i>Aging Cell</i> , 2015, 14, 170-179.	6.7	36
21	The Association of SNAP25 Gene Polymorphisms in Attention Deficit/Hyperactivity Disorder: a Systematic Review and Meta-Analysis. <i>Molecular Neurobiology</i> , 2017, 54, 2189-2200.	4.0	34
22	Hippocampal CD39/ENTPD1 promotes mouse depression-like behavior through hydrolyzing extracellular ATP. <i>EMBO Reports</i> , 2020, 21, e47857.	4.5	30
23	Angiotensin-Converting Enzyme Inhibitor Rapidly Ameliorates Depressive-Type Behaviors via Bradykinin-Dependent Activation of Mammalian Target of Rapamycin Complex 1. <i>Biological Psychiatry</i> , 2020, 88, 415-425.	1.3	29
24	Interactions between N-Ethylmaleimide-Sensitive Factor and GluR2 in the Nucleus Accumbens Contribute to the Expression of Locomotor Sensitization to Cocaine. <i>Journal of Neuroscience</i> , 2014, 34, 3493-3508.	3.6	28
25	Acid-sensing ion channels in trigeminal ganglion neurons innervating the orofacial region contribute to orofacial inflammatory pain. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 193-202.	1.9	28
26	Transcription Factor TWIST1 Integrates Dendritic Remodeling and Chronic Stress to Promote Depressive-like Behaviors. <i>Biological Psychiatry</i> , 2021, 89, 615-626.	1.3	28
27	Dimethyl sulfide protects against oxidative stress and extends lifespan via a methionine sulfoxide reductase A-dependent catalytic mechanism. <i>Aging Cell</i> , 2017, 16, 226-236.	6.7	25
28	AMPK Mediates Glucocorticoids Stress-Induced Downregulation of the Glucocorticoid Receptor in Cultured Rat Prefrontal Cortical Astrocytes. <i>PLoS ONE</i> , 2016, 11, e0159513.	2.5	25
29	Orexin-A Promotes Cell Migration in Cultured Rat Astrocytes via Ca ²⁺ -Dependent PKC ζ and ERK1/2 Signals. <i>PLoS ONE</i> , 2014, 9, e95259.	2.5	24
30	Activity-Dependent Sulfhydration Signal Controls N-Methyl-D-Aspartate Subtype Glutamate Receptor-Dependent Synaptic Plasticity via Increasing d-Serine Availability. Antioxidants and Redox Signaling, 2017, 27, 398-414.	5.4	24
31	Propranolol decreases retention of fear memory by modulating the stability of surface glutamate receptor GluA1 subunits in the lateral amygdala. <i>British Journal of Pharmacology</i> , 2015, 172, 5068-5082.	5.4	22
32	The Peptide-Directed Lysosomal Degradation of CDK5 Exerts Therapeutic Effects against Stroke. , 2019, 10, 1140.		22
33	Regulation of emotional memory by hydrogen sulfide: role of GluN2B-containing NMDA receptor in the amygdala. <i>Journal of Neurochemistry</i> , 2015, 132, 124-134.	3.9	21
34	Hydrogen Sulfide Promotes Surface Insertion of Hippocampal AMPA Receptor GluR1 Subunit via Phosphorylating at Serine831/Serine845 Sites Through a Sulfhydration-Dependent Mechanism. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 789-798.	3.9	21
35	SAR405, a Highly Specific VPS34 Inhibitor, Disrupts Auditory Fear Memory Consolidation of Mice via Facilitation of Inhibitory Neurotransmission in Basolateral Amygdala. <i>Biological Psychiatry</i> , 2019, 85, 214-225.	1.3	19
36	Calcitonin gene-related peptide erases the fear memory and facilitates long-term potentiation in the central nucleus of the amygdala in rats. <i>Journal of Neurochemistry</i> , 2015, 135, 787-798.	3.9	18

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37	Multiple H ⁺ sensors mediate the extracellular acidification-induced [Ca ²⁺] _i elevation in cultured rat ventricular cardiomyocytes. <i>Scientific Reports</i> , 2017, 7, 44951.	3.3	18
38	Pannexin-1 channel dysfunction in the medial prefrontal cortex mediates depressive-like behaviors induced by chronic social defeat stress and administration of mefloquine in mice. <i>Neuropharmacology</i> , 2018, 137, 256-267.	4.1	18
39	Gephyrin Palmitoylation in Basolateral Amygdala Mediates the Anxiolytic Action of Benzodiazepine. <i>Biological Psychiatry</i> , 2019, 85, 202-213.	1.3	17
40	High-Frequency Stimulus-Triggered AMPK Activation Phosphorylates GSK-3 β and Induces LTP in Rat Hippocampus <i>In Vivo</i> . <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 525-531.	3.9	16
41	Aquaporin-4 deficiency facilitates fear memory extinction in the hippocampus through excessive activation of extrasynaptic GluN2B-containing NMDA receptors. <i>Neuropharmacology</i> , 2017, 112, 124-134.	4.1	16
42	Identification and Function of Acid-sensing Ion Channels in RAW 264.7 Macrophage Cells. <i>Current Medical Science</i> , 2018, 38, 436-442.	1.8	15
43	The emerging roles of absent in melanoma 2 (AIM2) inflammasome in central nervous system disorders. <i>Neurochemistry International</i> , 2021, 149, 105122.	3.8	15
44	Erasing m6A-dependent transcription signature of stress-sensitive genes triggers antidepressant actions. <i>Neurobiology of Stress</i> , 2021, 15, 100390.	4.0	15
45	STO9, a Novel Thioester Derivative of Tacrine, Alleviates Cognitive Deficits and Enhances Glucose Metabolism in Vascular Dementia Rats. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 220-229.	3.9	14
46	Sulfite triggers sustained calcium overload in cultured cortical neurons via a redox-dependent mechanism. <i>Toxicology Letters</i> , 2016, 258, 237-248.	0.8	13
47	Neuronal HMGB1 in nucleus accumbens regulates cocaine reward memory. <i>Addiction Biology</i> , 2020, 25, e12739.	2.6	12
48	A circuit from dorsal hippocampal CA3 to paraventricular nucleus mediates chronic social defeat stress-induced deficits in preference for social novelty. <i>Science Advances</i> , 2022, 8, eabe8828.	10.3	11
49	Activation of EphB2 in the basolateral amygdala promotes stress vulnerability of mice by increasing NMDA-dependent synaptic function. <i>Neuropharmacology</i> , 2020, 167, 107934.	4.1	10
50	Low level of swiprosin-1/EFhd2 in vestibular nuclei of spontaneously hypersensitive motion sickness mice. <i>Scientific Reports</i> , 2017, 7, 40986.	3.3	8
51	Depalmitoylation by <i>N</i> -(tert-butyl) hydroxylamine inhibits AMPAR-mediated synaptic transmission via affecting receptor distribution in postsynaptic densities. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 187-199.	3.9	8
52	Reactive Sulfur Species Emerge as Gliotransmitters to Support Memory <i>via</i> Sulfuration-Dependent Gating of NR2A-Containing N-Methyl-D-Aspartate Subtype Glutamate Receptor Function. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1880-1899.	5.4	8
53	Deficiency of Glycosylated β -Dystroglycan in Ventral Hippocampus Bridges the Destabilization of Gamma-Aminobutyric Acid Type A Receptors With the Depressive-like Behaviors of Male Mice. <i>Biological Psychiatry</i> , 2022, 91, 593-603.	1.3	8
54	Activation of AMPK-dependent autophagy in the nucleus accumbens opposes cocaine-induced behaviors of mice. <i>Addiction Biology</i> , 2020, 25, e12736.	2.6	7

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55	Sulforaphane alleviates ethanol-mediated central inhibition and reverses chronic stress-induced aggravation of acute alcoholism via targeting Nrf2-regulated catalase expression. <i>Neuropharmacology</i> , 2020, 176, 108235.	4.1	5
56	The effects of Kctd12, an auxiliary subunit of GABAB receptor in dentate gyrus on behavioral response to chronic social defeat stress in mice. <i>Pharmacological Research</i> , 2021, 163, 105355.	7.1	5
57	Activation of D1-like receptor-dependent phosphatidylinositol signal pathway by SKF83959 inhibits voltage-gated sodium channels in cultured striatal neurons. <i>Brain Research</i> , 2015, 1615, 71-79.	2.2	4
58	Potential of Surface Stability of AMPA Receptors by Sulfhydryl Compounds: A Redox-Independent Effect by Disrupting Palmitoylation. <i>Neurochemical Research</i> , 2016, 41, 2890-2903.	3.3	4
59	SKF83959, an agonist of phosphatidylinositol-linked dopamine receptors, prevents renewal of extinguished conditioned fear and facilitates extinction. <i>Brain Research</i> , 2020, 1749, 147136.	2.2	4
60	N-acetylcysteine facilitates extinction of cued fear memory in rats via reestablishing basolateral amygdala glutathione homeostasis. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 260-272.	6.1	2
61	Repeated vagus nerve stimulation produces anxiolytic effects via upregulation of AMPAR function in centrolateral amygdala of male rats. <i>Neurobiology of Stress</i> , 2022, 18, 100453.	4.0	2
62	Response by the authors. <i>EMBO Reports</i> , 2020, 21, e51235.	4.5	1
63	Effects and mechanisms of H ⁺ sensors on extracellular acidification-induced [Ca ²⁺] _i elevation in cultured rat ventricular cardiomyocytes. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO2-3-1.	0.0	0
64	Pannexin-1 channel dysfunction in the medial prefrontal cortex mediates depressive-like behaviors in mice. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-1-10.	0.0	0
65	Activity-Dependent Hydrogen Sulfide Signal from Astrocyte Controls Contextual Fear Memory and Synaptic Plasticity via Gating d-Serine Availability. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, OR14-1.	0.0	0
66	Inhibition of caspase-1 improves the depressive-like behaviour via regulation of the stability of surface AMPARs. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-1-32.	0.0	0
67	Effects of hydrogen sulfide on the depressive-like behavior of rats. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-1-33.	0.0	0