Ming-Lei Guo

List of Publications by Year
in descending order

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57	2,023	236925	254184
papers	citations	25 h-index	43 g-index

58	58	58	2899
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interplay of endoplasmic reticulum stress and autophagy in neurodegenerative disorders. Autophagy, 2016, 12, 225-244.	9.1	207
2	HIV-1 Tat Primes and Activates Microglial NLRP3 Inflammasome-Mediated Neuroinflammation. Journal of Neuroscience, 2017, 37, 3599-3609.	3.6	145
3	Modeling microcephaly with cerebral organoids reveals a WDR62â€“CEP170â€“KIF2A pathway promoting cilium disassembly in neural progenitors. Nature Communications, 2019, 10, 2612.	12.8	125
4	Cocaine-mediated microglial activation involves the ER stress-autophagy axis. Autophagy, 2015, 11, 995-1009.	9.1	124
5	Cocaine-Mediated Downregulation of miR-124 Activates Microglia by Targeting KLF4 and TLR4 Signaling. Molecular Neurobiology, 2018, 55, 3196-3210.	4.0	96
6	Cocaine-mediated induction of microglial activation involves the ER stress-TLR2 axis. Journal of Neuroinflammation, 2016, 13, 33.	7.2	93
7	Cocaine Hijacks Ïƒ1 Receptor to Initiate Induction of Activated Leukocyte Cell Adhesion Molecule: Implication for Increased Monocyte Adhesion and Migration in the CNS. Journal of Neuroscience, 2011, 31, 5942-5955.	3.6	90
8	Cocaine induces astrocytosis through ER stress-mediated activation of autophagy. Autophagy, 2016, 12, 1310-1329.	9.1	82
9	Roles of subunit phosphorylation in regulating glutamate receptor function. European Journal of Pharmacology, 2014, 728, 183-187.	3.5	73
10	Cocaine and HIV-1 Interplay in CNS: Cellular and Molecular Mechanisms. Current HIV Research, 2012, 10, 425-428.	0.5	67
11	Post-Translational Modification Biology of Glutamate Receptors and Drug Addiction. Frontiers in Neuroanatomy, 2011, 5, 19.	1.7	53
12	Phosphorylation and Feedback Regulation of Metabotropic Glutamate Receptor 1 by Calcium/Calmodulin-Dependent Protein Kinase II. Journal of Neuroscience, 2013, 33, 3402-3412.	3.6	50
13	Mitigation of cocaine-mediated mitochondrial damage, defective mitophagy and microglial activation by superoxide dismutase mimetics. Autophagy, 2020, 16, 289-312.	9.1	49
14	Cocaine and HIV-1 Interplay: Molecular Mechanisms of Action and Addiction. Journal of NeuroImmune Pharmacology, 2011, 6, 503-515.	4.1	47
15	Cocaine Induces Inflammatory Gut Milieu by Compromising the Mucosal Barrier Integrity and Altering the Gut Microbiota Colonization. Scientific Reports, 2019, 9, 12187.	3.3	47
16	Epigenetic Promoter DNA Methylation of miR-124 Promotes HIV-1 Tat-Mediated Microglial Activation via MECP2-STAT3 Axis. Journal of Neuroscience, 2018, 38, 5367-5383.	3.6	45
17	Differential regulation of <scp>CaMK</scp>IIÎ± interactions with m<scp>G</scp>luR5 and <scp>NMDA</scp> receptors by <scp>C</scp>a²⁺ in neurons. Journal of Neurochemistry, 2013, 127, 620-631.	3.9	40
18	Morphine-Mediated Brain Region-Specific Astrocytosis Involves the ER Stress-Autophagy Axis. Molecular Neurobiology, 2018, 55, 6713-6733.	4.0	40

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19	Reversible Palmitoylation Regulates Surface Stability of AMPA Receptors in the Nucleus Accumbens in Response to Cocaine In Vivo. Biological Psychiatry, 2011, 69, 1035-1042.	1.3	34
20	Cocaine-mediated downregulation of microglial miR-124 expression involves promoter DNA methylation. Epigenetics, 2016, 11, 819-830.	2.7	34
21	HIV TAT-mediated microglial senescence: Role of SIRT3-dependent mitochondrial oxidative stress. Redox Biology, 2021, 40, 101843.	9.0	33
22	Cocaine-induced release of CXCL10 from pericytes regulates monocyte transmigration into the CNS. Journal of Cell Biology, 2019, 218, 700-721.	5.2	32
23	Deregulation of Growth Factor, Circadian Clock, and Cell Cycle Signaling in Regenerating Hepatocyte RXRÎ±-Deficient Mouse Livers. American Journal of Pathology, 2010, 176, 733-743.	3.8	30
24	Antiretroviral-Mediated Microglial Activation Involves Dysregulated Autophagy and Lysosomal Dysfunction. Cells, 2019, 8, 1168.	4.1	29
25	CaMKIIÎ± interacts with M4 muscarinic receptors to control receptor and psychomotor function. EMBO Journal, 2010, 29, 2070-2081.	7.8	25
26	Modulation of Ionotropic Glutamate Receptors and Acid-Sensing Ion Channels by Nitric Oxide. Frontiers in Physiology, 2012, 3, 164.	2.8	23
27	Group III metabotropic glutamate receptors and drug addiction. Frontiers of Medicine, 2013, 7, 445-451.	3.4	23
28	Cocaine self-administration differentially activates microglia in the mouse brain. Neuroscience Letters, 2020, 728, 134951.	2.1	23
29	NLRP3 Inflammasome Blockade Reduces Cocaine-Induced Microglial Activation and Neuroinflammation. Molecular Neurobiology, 2021, 58, 2215-2230.	4.0	22
30	Cocaine increases phosphorylation of MeCP2 in the rat striatum in vivo: A differential role of NMDA receptors. Neurochemistry International, 2011, 59, 610-617.	3.8	20
31	HIV Tat-mediated induction of autophagy regulates the disruption of ZO-1 in brain endothelial cells. Tissue Barriers, 2020, 8, 1748983.	3.2	18
32	Interactions and phosphorylation of postsynaptic density 93 (PSD-93) by extracellular signal-regulated kinase (ERK). Brain Research, 2012, 1465, 18-25.	2.2	16
33	Human immunodeficiency virus protein Tat induces oligodendrocyte injury by enhancing outward K+ current conducted by KV1.3. Neurobiology of Disease, 2017, 97, 1-10.	4.4	16
34	Neuroinflammation & pre-mature aging in the context of chronic HIV infection and drug abuse: Role of dysregulated autophagy. Brain Research, 2019, 1724, 146446.	2.2	16
35	Regulation of group I metabotropic glutamate receptor expression in the rat striatum and prefrontal cortex in response to amphetamine in vivo. Brain Research, 2010, 1326, 184-192.	2.2	15
36	N-Acetylcysteine Reverses Antiretroviral-Mediated Microglial Activation by Attenuating Autophagy-Lysosomal Dysfunction. Frontiers in Neurology, 2020, 11, 840.	2.4	14

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37	Alterations in subcellular expression of acid-sensing ion channels in the rat forebrain following chronic amphetamine administration. Neuroscience Research, 2010, 68, 1-8.	1.9	12
38	Amphetamine alters Ras-guanine nucleotide-releasing factor expression in the rat striatum in vivo. European Journal of Pharmacology, 2009, 619, 50-56.	3.5	11
39	Modulation of M4 muscarinic acetylcholine receptors by interacting proteins. Neuroscience Bulletin, 2010, 26, 469-473.	2.9	10
40	Upregulation of Npas4 protein expression by chronic administration of amphetamine in rat nucleus accumbens in vivo. Neuroscience Letters, 2012, 528, 210-214.	2.1	10
41	Rapid and sustained GluA1 S845 phosphorylation in synaptic and extrasynaptic locations in the rat forebrain following amphetamine administration. Neurochemistry International, 2014, 64, 48-54.	3.8	9
42	Notch3/VEGF-A axis is involved in TAT-mediated proliferation of pulmonary artery smooth muscle cells: Implications for HIV-associated PAH. Cell Death Discovery, 2018, 4, 22.	4.7	8
43	KVA-D-88, a Novel Preferable Phosphodiesterase 4B Inhibitor, Decreases Cocaine-Mediated Reward Properties in Vivo. ACS Chemical Neuroscience, 2020, 11, 2231-2242.	3.5	8
44	Short-Term Sleep Fragmentation Dysregulates Autophagy in a Brain Region-Specific Manner. Life, 2021, 11, 1098.	2.4	8
45	Regulation of dopamine D3 receptors by protein-protein interactions. Neuroscience Bulletin, 2010, 26, 163-167.	2.9	7
46	Cocaine facilitates PKC maturation by upregulating its phosphorylation at the activation loop in rat striatal neurons in vivo. Brain Research, 2012, 1435, 146-153.	2.2	7
47	Hepatocyte RXRalpha deficiency in matured and aged mice: impact on the expression of cancer-related hepatic genes in a gender-specific manner. BMC Genomics, 2008, 9, 403.	2.8	6
48	CaMKIIÎ±, a modulator of M4 muscarinic acetylcholine receptors. Communicative and Integrative Biology, 2010, 3, 465-467.	1.4	5
49	Male HIVâ€1 transgenic rats show reduced cocaineâ€maintained leverâ€pressing compared to F344 wildtype rats despite similar baseline locomotion. Journal of the Experimental Analysis of Behavior, 2020, 113, 468-484.	1.1	5
50	NLRP3 Inflammasome Is Involved in Cocaine-Mediated Potentiation on Behavioral Changes in CX3CR1-Deficient Mice. Journal of Personalized Medicine, 2021, 11, 963.	2.5	5
51	Dynamic downregulation of Nogo receptor expression in the rat forebrain by amphetamine. Neurochemistry International, 2013, 63, 195-200.	3.8	4
52	Involvement of Epigenetic Promoter DNA Methylation of miR-124 in the Pathogenesis of HIV-1-Associated Neurocognitive Disorders. Epigenetics Insights, 2018, 11, 251686571880690.	2.0	4
53	Reversing neural circuit and behavior deficit in mice exposed to maternal inflammation by ZikaÂvirus. EMBO Reports, 2021, 22, e51978.	4.5	3
54	The Expression of Cancer-Related Genes in Aging Mouse Liver is RXRÎ± and Gender Dependent. Advanced Studies in Biology, 2009, 1, 61-83.	0.3	3

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55	Sleep Disturbance Alters Cocaine-Induced Locomotor Activity: Involvement of Striatal Neuroimmune and Dopamine Signaling. Biomedicines, 2022, 10, 1161.	3.2	1
56	HIVâ€1, Drug Addiction, and Autophagy. , 2016, , .		0
57	Hepatocyte retinoid X receptor alpha (RXRalpha) deficiency impairs liver regeneration through multiple pathways. FASEB Journal, 2009, 23, 741.13.	0.5	0