

# Ming-Lei Guo

## List of Publications by Year in descending order

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57  
papers

2,023  
citations

236925

25  
h-index

254184

43  
g-index

58  
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58  
docs citations

58  
times ranked

2899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sleep Disturbance Alters Cocaine-Induced Locomotor Activity: Involvement of Striatal Neuroimmune and Dopamine Signaling. <i>Biomedicines</i> , 2022, 10, 1161.	3.2	1
2	NLRP3 Inflammasome Blockade Reduces Cocaine-Induced Microglial Activation and Neuroinflammation. <i>Molecular Neurobiology</i> , 2021, 58, 2215-2230.	4.0	22
3	HIV TAT-mediated microglial senescence: Role of SIRT3-dependent mitochondrial oxidative stress. <i>Redox Biology</i> , 2021, 40, 101843.	9.0	33
4	Reversing neural circuit and behavior deficit in mice exposed to maternal inflammation by Zika virus. <i>EMBO Reports</i> , 2021, 22, e51978.	4.5	3
5	NLRP3 Inflammasome Is Involved in Cocaine-Mediated Potentiation on Behavioral Changes in CX3CR1-Deficient Mice. <i>Journal of Personalized Medicine</i> , 2021, 11, 963.	2.5	5
6	Short-Term Sleep Fragmentation Dysregulates Autophagy in a Brain Region-Specific Manner. <i>Life</i> , 2021, 11, 1098.	2.4	8
7	Mitigation of cocaine-mediated mitochondrial damage, defective mitophagy and microglial activation by superoxide dismutase mimetics. <i>Autophagy</i> , 2020, 16, 289-312.	9.1	49
8	KVA-D-88, a Novel Preferable Phosphodiesterase 4B Inhibitor, Decreases Cocaine-Mediated Reward Properties <i>in Vivo</i> . <i>ACS Chemical Neuroscience</i> , 2020, 11, 2231-2242.	3.5	8
9	N-Acetylcysteine Reverses Antiretroviral-Mediated Microglial Activation by Attenuating Autophagy-Lysosomal Dysfunction. <i>Frontiers in Neurology</i> , 2020, 11, 840.	2.4	14
10	Male HIV-1 transgenic rats show reduced cocaine-maintained lever pressing compared to F344 wildtype rats despite similar baseline locomotion. <i>Journal of the Experimental Analysis of Behavior</i> , 2020, 113, 468-484.	1.1	5
11	HIV Tat-mediated induction of autophagy regulates the disruption of ZO-1 in brain endothelial cells. <i>Tissue Barriers</i> , 2020, 8, 1748983.	3.2	18
12	Cocaine self-administration differentially activates microglia in the mouse brain. <i>Neuroscience Letters</i> , 2020, 728, 134951.	2.1	23
13	Neuroinflammation & pre-mature aging in the context of chronic HIV infection and drug abuse: Role of dysregulated autophagy. <i>Brain Research</i> , 2019, 1724, 146446.	2.2	16
14	Cocaine-induced release of CXCL10 from pericytes regulates monocyte transmigration into the CNS. <i>Journal of Cell Biology</i> , 2019, 218, 700-721.	5.2	32
15	Cocaine Induces Inflammatory Gut Milieu by Compromising the Mucosal Barrier Integrity and Altering the Gut Microbiota Colonization. <i>Scientific Reports</i> , 2019, 9, 12187.	3.3	47
16	Antiretroviral-Mediated Microglial Activation Involves Dysregulated Autophagy and Lysosomal Dysfunction. <i>Cells</i> , 2019, 8, 1168.	4.1	29
17	Modeling microcephaly with cerebral organoids reveals a WDR62-CEP170-KIF2A pathway promoting cilium disassembly in neural progenitors. <i>Nature Communications</i> , 2019, 10, 2612.	12.8	125
18	Morphine-Mediated Brain Region-Specific Astrocytosis Involves the ER Stress-Autophagy Axis. <i>Molecular Neurobiology</i> , 2018, 55, 6713-6733.	4.0	40

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19	Involvement of Epigenetic Promoter DNA Methylation of miR-124 in the Pathogenesis of HIV-1-Associated Neurocognitive Disorders. <i>Epigenetics Insights</i> , 2018, 11, 251686571880690.	2.0	4
20	Epigenetic Promoter DNA Methylation of miR-124 Promotes HIV-1 Tat-Mediated Microglial Activation via MECP2-STAT3 Axis. <i>Journal of Neuroscience</i> , 2018, 38, 5367-5383.	3.6	45
21	Notch3/VEGF-A axis is involved in TAT-mediated proliferation of pulmonary artery smooth muscle cells: Implications for HIV-associated PAH. <i>Cell Death Discovery</i> , 2018, 4, 22.	4.7	8
22	Cocaine-Mediated Downregulation of miR-124 Activates Microglia by Targeting KLF4 and TLR4 Signaling. <i>Molecular Neurobiology</i> , 2018, 55, 3196-3210.	4.0	96
23	HIV-1 Tat Primes and Activates Microglial NLRP3 Inflammasome-Mediated Neuroinflammation. <i>Journal of Neuroscience</i> , 2017, 37, 3599-3609.	3.6	145
24	Human immunodeficiency virus protein Tat induces oligodendrocyte injury by enhancing outward K <sup>+</sup> current conducted by KV1.3. <i>Neurobiology of Disease</i> , 2017, 97, 1-10.	4.4	16
25	HIV-1, Drug Addiction, and Autophagy. , 2016, , .		0
26	Cocaine-mediated downregulation of microglial miR-124 expression involves promoter DNA methylation. <i>Epigenetics</i> , 2016, 11, 819-830.	2.7	34
27	Cocaine induces astrocytosis through ER stress-mediated activation of autophagy. <i>Autophagy</i> , 2016, 12, 1310-1329.	9.1	82
28	Cocaine-mediated induction of microglial activation involves the ER stress-TLR2 axis. <i>Journal of Neuroinflammation</i> , 2016, 13, 33.	7.2	93
29	Interplay of endoplasmic reticulum stress and autophagy in neurodegenerative disorders. <i>Autophagy</i> , 2016, 12, 225-244.	9.1	207
30	Cocaine-mediated microglial activation involves the ER stress-autophagy axis. <i>Autophagy</i> , 2015, 11, 995-1009.	9.1	124
31	Roles of subunit phosphorylation in regulating glutamate receptor function. <i>European Journal of Pharmacology</i> , 2014, 728, 183-187.	3.5	73
32	Rapid and sustained GluA1 S845 phosphorylation in synaptic and extrasynaptic locations in the rat forebrain following amphetamine administration. <i>Neurochemistry International</i> , 2014, 64, 48-54.	3.8	9
33	Group III metabotropic glutamate receptors and drug addiction. <i>Frontiers of Medicine</i> , 2013, 7, 445-451.	3.4	23
34	Differential regulation of CaMKII $\alpha$ interactions with mGluR5 and NMDA receptors by Ca <sup>2+</sup> in neurons. <i>Journal of Neurochemistry</i> , 2013, 127, 620-631.	3.9	40
35	Dynamic downregulation of Nogo receptor expression in the rat forebrain by amphetamine. <i>Neurochemistry International</i> , 2013, 63, 195-200.	3.8	4
36	Phosphorylation and Feedback Regulation of Metabotropic Glutamate Receptor 1 by Calcium/Calmodulin-Dependent Protein Kinase II. <i>Journal of Neuroscience</i> , 2013, 33, 3402-3412.	3.6	50

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37	Modulation of Ionotropic Glutamate Receptors and Acid-Sensing Ion Channels by Nitric Oxide. <i>Frontiers in Physiology</i> , 2012, 3, 164.	2.8	23
38	Cocaine and HIV-1 Interplay in CNS: Cellular and Molecular Mechanisms. <i>Current HIV Research</i> , 2012, 10, 425-428.	0.5	67
39	Upregulation of Npas4 protein expression by chronic administration of amphetamine in rat nucleus accumbens in vivo. <i>Neuroscience Letters</i> , 2012, 528, 210-214.	2.1	10
40	Cocaine facilitates PKC maturation by upregulating its phosphorylation at the activation loop in rat striatal neurons in vivo. <i>Brain Research</i> , 2012, 1435, 146-153.	2.2	7
41	Interactions and phosphorylation of postsynaptic density 93 (PSD-93) by extracellular signal-regulated kinase (ERK). <i>Brain Research</i> , 2012, 1465, 18-25.	2.2	16
42	Reversible Palmitoylation Regulates Surface Stability of AMPA Receptors in the Nucleus Accumbens in Response to Cocaine In Vivo. <i>Biological Psychiatry</i> , 2011, 69, 1035-1042.	1.3	34
43	Cocaine increases phosphorylation of MeCP2 in the rat striatum in vivo: A differential role of NMDA receptors. <i>Neurochemistry International</i> , 2011, 59, 610-617.	3.8	20
44	Post-Translational Modification Biology of Glutamate Receptors and Drug Addiction. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 19.	1.7	53
45	Cocaine and HIV-1 Interplay: Molecular Mechanisms of Action and Addiction. <i>Journal of NeuroImmune Pharmacology</i> , 2011, 6, 503-515.	4.1	47
46	Cocaine Hijacks $\beta$ 1 Receptor to Initiate Induction of Activated Leukocyte Cell Adhesion Molecule: Implication for Increased Monocyte Adhesion and Migration in the CNS. <i>Journal of Neuroscience</i> , 2011, 31, 5942-5955.	3.6	90
47	Modulation of M4 muscarinic acetylcholine receptors by interacting proteins. <i>Neuroscience Bulletin</i> , 2010, 26, 469-473.	2.9	10
48	Regulation of dopamine D3 receptors by protein-protein interactions. <i>Neuroscience Bulletin</i> , 2010, 26, 163-167.	2.9	7
49	Regulation of group I metabotropic glutamate receptor expression in the rat striatum and prefrontal cortex in response to amphetamine in vivo. <i>Brain Research</i> , 2010, 1326, 184-192.	2.2	15
50	CaMKII $\alpha$ interacts with M4 muscarinic receptors to control receptor and psychomotor function. <i>EMBO Journal</i> , 2010, 29, 2070-2081.	7.8	25
51	CaMKII $\alpha$ , a modulator of M4 muscarinic acetylcholine receptors. <i>Communicative and Integrative Biology</i> , 2010, 3, 465-467.	1.4	5
52	Alterations in subcellular expression of acid-sensing ion channels in the rat forebrain following chronic amphetamine administration. <i>Neuroscience Research</i> , 2010, 68, 1-8.	1.9	12
53	Deregulation of Growth Factor, Circadian Clock, and Cell Cycle Signaling in Regenerating Hepatocyte RXR $\alpha$ -Deficient Mouse Livers. <i>American Journal of Pathology</i> , 2010, 176, 733-743.	3.8	30
54	Amphetamine alters Ras-guanine nucleotide-releasing factor expression in the rat striatum in vivo. <i>European Journal of Pharmacology</i> , 2009, 619, 50-56.	3.5	11

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55	Hepatocyte retinoid X receptor alpha (RXRalpha) deficiency impairs liver regeneration through multiple pathways. FASEB Journal, 2009, 23, 741.13.	0.5	0
56	The Expression of Cancer-Related Genes in Aging Mouse Liver is RXR $\alpha$ and Gender Dependent. Advanced Studies in Biology, 2009, 1, 61-83.	0.3	3
57	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