

# Guo-Jun Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,441  
citations

430874

18  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Positron emission tomography and functional characterization of a complete PBR/TSP0 knockout. <i>Nature Communications</i> , 2014, 5, 5452.	12.8	199
2	The 18â€‰%<sc>kDa</sc> Translocator Protein, Microglia and Neuroinflammation. <i>Brain Pathology</i> , 2014, 24, 631-653.	4.1	182
3	Cellular Sources and Regional Variations in the Expression of the Neuroinflammatory Marker Translocator Protein (TSP0) in the Normal Brain. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2707.	4.1	105
4	Glutamate induces directed chemotaxis of microglia. <i>European Journal of Neuroscience</i> , 2009, 29, 1108-1118.	2.6	104
5	The impact of high and low dose ionising radiation on the central nervous system. <i>Redox Biology</i> , 2016, 9, 144-156.	9.0	96
6	Sifting through the surfeit of neuroinflammation tracers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 204-224.	4.3	92
7	The Translocator Protein (TSP0) in Mitochondrial Bioenergetics and Immune Processes. <i>Cells</i> , 2020, 9, 512.	4.1	70
8	Glutamate-stimulated ATP release from spinal cord astrocytes is potentiated by substance P. <i>Journal of Neurochemistry</i> , 2006, 99, 924-936.	3.9	64
9	Secretion of ATP from Schwann cells in response to uridine triphosphate. <i>European Journal of Neuroscience</i> , 2005, 21, 151-160.	2.6	62
10	Purine Release from Spinal Cord Microglia after Elevation of Calcium by Glutamate. <i>Molecular Pharmacology</i> , 2006, 70, 851-859.	2.3	58
11	Functional gains in energy and cell metabolism after <i>TSPO</i> gene insertion. <i>Cell Cycle</i> , 2017, 16, 436-447.	2.6	58
12	Evidence for Cooperativity Between Nicotinic Acetylcholine Receptors in Patch Clamp Records. <i>Biophysical Journal</i> , 2000, 78, 1-12.	0.5	53
13	ATP secretion from nerve trunks and Schwann cells mediated by glutamate. <i>NeuroReport</i> , 2003, 14, 2079-2083.	1.2	39
14	Mechanisms of secretion of ATP from cortical astrocytes triggered by uridine triphosphate. <i>NeuroReport</i> , 2003, 14, 2177-2181.	1.2	38
15	Lipopolysaccharide-stimulated interleukin-10 release from neonatal spinal cord microglia is potentiated by glutamate. <i>Neuroscience</i> , 2011, 175, 93-103.	2.3	29
16	Long-term diazepam treatment enhances microglial spine engulfment and impairs cognitive performance via the mitochondrial 18â€‰%kDa translocator protein (TSP0). <i>Nature Neuroscience</i> , 2022, 25, 317-329.	14.8	29
17	Control of Neuroinflammation through Radiation-Induced Microglial Changes. <i>Cells</i> , 2021, 10, 2381.	4.1	24
18	Adaptive in vivo device for theranostics of inflammation: Real-time monitoring of interferon- $\hat{3}$ and aspirin. <i>Acta Biomaterialia</i> , 2020, 101, 372-383.	8.3	20

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19	Mitochondrial Translocator Protein (TSPO) Expression in the Brain After Whole Body Gamma Irradiation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 715444.	3.7	19
20	IFN- $\gamma$ -induced signal-on fluorescence aptasensors: from hybridization chain reaction amplification to 3D optical fiber sensing interface towards a deployable device for cytokine sensing. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 872-881.	3.4	17
21	Guwiyang Wurra "Fire Mouse": a global gene knockout model for TSPO/PBR drug development, loss-of-function and mechanisms of compensation studies. <i>Biochemical Society Transactions</i> , 2015, 43, 553-558.	3.4	14
22	Microfluidic Actuation via 3D-Printed Molds toward Multiplex Biosensing of Cell Apoptosis. <i>ACS Sensors</i> , 2019, 4, 2181-2189.	7.8	13
23	Checkpoints to the Brain: Directing Myeloid Cell Migration to the Central Nervous System. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2030.	4.1	12
24	Turn-On Fluorescence Aptasensor on Magnetic Nanobeads for Aflatoxin M1 Detection Based on an Exonuclease III-Assisted Signal Amplification Strategy. <i>Nanomaterials</i> , 2019, 9, 104.	4.1	9
25	Selective, high-contrast detection of syngeneic glioblastoma in vivo. <i>Scientific Reports</i> , 2020, 10, 9968.	3.3	9
26	Glutamate potentiates lipopolysaccharide-stimulated interleukin-10 release from neonatal rat spinal cord astrocytes. <i>Neuroscience</i> , 2012, 207, 12-24.	2.3	7
27	Microgravity + Radiation: A Space Mechanobiology Approach Toward Cardiovascular Function and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 750775.	3.7	7
28	Epigenetic Silencing of the Human 18 kDa Translocator Protein in a T Cell Leukemia Cell Line. <i>DNA and Cell Biology</i> , 2017, 36, 103-108.	1.9	5
29	Subcellular distribution of the 18 kDa translocator protein and transcript variant PBR-S in human cells. <i>Gene</i> , 2017, 613, 45-56.	2.2	4