

# Guisheng Zhong

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

3,321  
citations

331670

21  
h-index

330143

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45  
all docs

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docs citations

45  
times ranked

4611  
citing authors

#	ARTICLE	IF	CITATIONS
1	AAV-ie-K558R mediated cochlear gene therapy and hair cell regeneration. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 109.	17.1	22
2	Multiregional profiling of the brain transmembrane proteome uncovers novel regulators of depression. <i>Science Advances</i> , 2021, 7, .	10.3	13
3	Rational Remodeling of Atypical Scaffolds for the Design of Photoswitchable Cannabinoid Receptor Tools. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13752-13765.	6.4	9
4	Elucidation of Distinct Modular Assemblies of Smoothed Receptor by Bitopic Ligand Measurement. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13830-13840.	6.4	3
5	Structure-Based Design of Dual-Acting Compounds Targeting Adenosine A <sub>2A</sub> Receptor and Histone Deacetylase as Novel Tumor Immunotherapeutic Agents. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16573-16597.	6.4	16
6	Organized cannabinoid receptor distribution in neurons revealed by super-resolution fluorescence imaging. <i>Nature Communications</i> , 2020, 11, 5699.	12.8	18
7	Recent development of AAV-based gene therapies for inner ear disorders. <i>Gene Therapy</i> , 2020, 27, 329-337.	4.5	8
8	Enhancer Reprogramming within Pre-existing Topologically Associated Domains Promotes TGF- $\beta$ -Induced EMT and Cancer Metastasis. <i>Molecular Therapy</i> , 2020, 28, 2083-2095.	8.2	22
9	A Novel G Protein-Biased and Subtype-Selective Agonist for a G Protein-Coupled Receptor Discovered from Screening Herbal Extracts. <i>ACS Central Science</i> , 2020, 6, 213-225.	11.3	25
10	Structure and function of subcortical periodic cytoskeleton throughout the nervous system. <i>STEMedicine</i> , 2020, 1, e9.	1.0	2
11	Calcineurin Signaling Mediates Disruption of the Axon Initial Segment Cytoskeleton after Injury. <i>IScience</i> , 2020, 23, 100880.	4.1	9
12	Differentiation of human adipose-derived stem cells into neuron/motoneuron-like cells for cell replacement therapy of spinal cord injury. <i>Cell Death and Disease</i> , 2019, 10, 597.	6.3	65
13	AAV-ie enables safe and efficient gene transfer to inner ear cells. <i>Nature Communications</i> , 2019, 10, 3733.	12.8	136
14	ER-localized Hrd1 ubiquitinates and inactivates Usp15 to promote TLR4-induced inflammation during bacterial infection. <i>Nature Microbiology</i> , 2019, 4, 2331-2346.	13.3	39
15	Critical role of spectrin in hearing development and deafness. <i>Science Advances</i> , 2019, 5, eaav7803.	10.3	113
16	Molecular Mechanism for Ligand Recognition and Subtype Selectivity of $\beta$ 2C Adrenergic Receptor. <i>Cell Reports</i> , 2019, 29, 2936-2943.e4.	6.4	17
17	Structural Basis of the Diversity of Adrenergic Receptors. <i>Cell Reports</i> , 2019, 29, 2929-2935.e4.	6.4	30
18	Structural plasticity of actin-spectrin membrane skeleton and functional role of actin and spectrin in axon degeneration. <i>ELife</i> , 2019, 8, .	6.0	47

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19	Identification of natural products as novel ligands for the human 5-HT <sub>2C</sub> receptor. <i>Biophysics Reports</i> , 2018, 4, 50-61.	0.8	23
20	Diverse Supramolecular Nanofiber Networks Assembled by Functional Low-Complexity Domains. <i>ACS Nano</i> , 2017, 11, 6985-6995.	14.6	41
21	Elevation in Total Homocysteine Levels in Chinese Patients With Essential Hypertension Treated With Antihypertensive Benazepril. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2016, 22, 191-198.	1.7	5
22	Developmental mechanism of the periodic membrane skeleton in axons. <i>ELife</i> , 2014, 3, .	6.0	199
23	Associations of MTHFR and MTRR Polymorphisms With Serum Lipid Levels in Chinese Hypertensive Patients. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2014, 20, 400-410.	1.7	22
24	A PIK3C3- <i>Ankyrin-B</i> -Dynactin pathway promotes axonal growth and multiorganelle transport. <i>Journal of Cell Biology</i> , 2014, 207, 735-752.	5.2	84
25	Postsynaptic actin regulates active zone spacing and glutamate receptor apposition at the <i>Drosophila</i> neuromuscular junction. <i>Molecular and Cellular Neurosciences</i> , 2014, 61, 241-254.	2.2	45
26	Actin, Spectrin, and Associated Proteins Form a Periodic Cytoskeletal Structure in Axons. <i>Science</i> , 2013, 339, 452-456.	12.6	1,066
27	Effect of Simvastatin on Plasma Homocysteine Levels and Its Modification by <i>MTHFR</i> C677T Polymorphism in Chinese Patients with Primary Hyperlipidemia. <i>Cardiovascular Therapeutics</i> , 2013, 31, e27-33.	2.5	22
28	Neuronal activity in the isolated mouse spinal cord during spontaneous deletions in fictive locomotion: insights into locomotor central pattern generator organization. <i>Journal of Physiology</i> , 2012, 590, 4735-4759.	2.9	110
29	Super-resolution fluorescence imaging of organelles in live cells with photoswitchable membrane probes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13978-13983.	7.1	439
30	Postnatal emergence of serotonin-induced plateau potentials in commissural interneurons of the mouse spinal cord. <i>Journal of Neurophysiology</i> , 2012, 108, 2191-2202.	1.8	31
31	Effect of simvastatin on plasma homocysteine levels and its modification by <i>MTHFR</i> C677T polymorphism in Chinese patients with primary hyperlipidemia. <i>Cardiovascular Therapeutics</i> , 2012, 31, n/a-n/a.	2.5	1
32	Electrophysiological Characterization of V2a Interneurons and Their Locomotor-Related Activity in the Neonatal Mouse Spinal Cord. <i>Journal of Neuroscience</i> , 2010, 30, 170-182.	3.6	139
33	Spatiotemporal Dynamics of Rhythmic Spinal Interneurons Measured With Two-Photon Calcium Imaging and Coherence Analysis. <i>Journal of Neurophysiology</i> , 2010, 104, 3323-3333.	1.8	28
34	In Mice Lacking V2a Interneurons, Gait Depends on Speed of Locomotion. <i>Journal of Neuroscience</i> , 2009, 29, 7098-7109.	3.6	226
35	Persistent Sodium Currents Participate in Fictive Locomotion Generation in Neonatal Mouse Spinal Cord. <i>Journal of Neuroscience</i> , 2007, 27, 4507-4518.	3.6	115
36	Serotonin Modulates the Properties of Ascending Commissural Interneurons in the Neonatal Mouse Spinal Cord. <i>Journal of Neurophysiology</i> , 2006, 95, 1545-1555.	1.8	56

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37	Intrinsic and Functional Differences among Commissural Interneurons during Fictive Locomotion and Serotonergic Modulation in the Neonatal Mouse. <i>Journal of Neuroscience</i> , 2006, 26, 6509-6517.	3.6	64