

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

37
g-index

45
all docs

45
docs citations

45
times ranked

4611
citing authors

#	ARTICLE	IF	CITATIONS
1	Actin, Spectrin, and Associated Proteins Form a Periodic Cytoskeletal Structure in Axons. <i>Science</i> , 2013, 339, 452-456.	12.6	1,066
2	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
3	In Mice Lacking V2a Interneurons, Gait Depends on Speed of Locomotion. <i>Journal of Neuroscience</i> , 2009, 29, 7098-7109.	3.6	226
4	Developmental mechanism of the periodic membrane skeleton in axons. <i>ELife</i> , 2014, 3, .	6.0	199
5	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
6	AAV-ie enables safe and efficient gene transfer to inner ear cells. <i>Nature Communications</i> , 2019, 10, 3733.	12.8	136
7	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
8	Critical role of spectrin in hearing development and deafness. <i>Science Advances</i> , 2019, 5, eaav7803.	10.3	113
9	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
10	A PIK3C3-â€œAnkyrin-Bâ€œDynactin pathway promotes axonal growth and multiorganelle transport. <i>Journal of Cell Biology</i> , 2014, 207, 735-752.	5.2	84
11	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
12	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
13	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
14	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
15	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
16	Diverse Supramolecular Nanofiber Networks Assembled by Functional Low-Complexity Domains. <i>ACS Nano</i> , 2017, 11, 6985-6995.	14.6	41
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Structural Basis of the Diversity of Adrenergic Receptors. <i>Cell Reports</i> , 2019, 29, 2929-2935.e4.	6.4	30
20	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
21	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
22	Identification of natural products as novel ligands for the human 5-HT _{2C} receptor. <i>Biophysics Reports</i> , 2018, 4, 50-61.	0.8	23
23	Effect of Simvastatin on Plasma Homocysteine Levels and Its Modification by <scp>MTHFR</scp> C677T Polymorphism in Chinese Patients with Primary Hyperlipidemia. <i>Cardiovascular Therapeutics</i> , 2013, 31, e27-33.	2.5	22
24	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
25	Enhancer Reprogramming within Pre-existing Topologically Associated Domains Promotes TGF- β ² -Induced EMT and Cancer Metastasis. <i>Molecular Therapy</i> , 2020, 28, 2083-2095.	8.2	22
26	AAV-ie-K558R mediated cochlear gene therapy and hair cell regeneration. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 109.	17.1	22
27	Organized cannabinoid receptor distribution in neurons revealed by super-resolution fluorescence imaging. <i>Nature Communications</i> , 2020, 11, 5699.	12.8	18
28	Molecular Mechanism for Ligand Recognition and Subtype Selectivity of α _{2C} Adrenergic Receptor. <i>Cell Reports</i> , 2019, 29, 2936-2943.e4.	6.4	17
29	Structure-Based Design of Dual-Acting Compounds Targeting Adenosine A _{2A} Receptor and Histone Deacetylase as Novel Tumor Immunotherapeutic Agents. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16573-16597.	6.4	16
30	Multiregional profiling of the brain transmembrane proteome uncovers novel regulators of depression. <i>Science Advances</i> , 2021, 7, .	10.3	13
31	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
32	Calcineurin Signaling Mediates Disruption of the Axon Initial Segment Cytoskeleton after Injury. <i>iScience</i> , 2020, 23, 100880.	4.1	9
33	Recent development of AAV-based gene therapies for inner ear disorders. <i>Gene Therapy</i> , 2020, 27, 329-337.	4.5	8
34	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
35	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
36	Structure and function of subcortical periodic cytoskeleton throughout the nervous system. <i>STEMedicine</i> , 2020, 1, e9.	1.0	2

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37	Effect of simvastatin on plasma homocysteine levels and its modification by MTHFR C677T polymorphism in Chinese patients with primary hyperlipidemia. <i>Cardiovascular Therapeutics</i> , 2012, 31, n/a-n/a.	2.5	1