Ruo-Tian Jiang

List of Publications by Year
in descending order

22	1,181	516710 16	677142 22
papers	citations	h-index	g-index

25	25	25	1736
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Astrocyte morphology: Diversity, plasticity, and role in neurological diseases. CNS Neuroscience and Therapeutics, 2019, 25, 665-673.	3.9	186
2	Dysfunctional Calcium and Glutamate Signaling in Striatal Astrocytes from Huntington's Disease Model Mice. Journal of Neuroscience, 2016, 36, 3453-3470.	3.6	185
3	Ligand-Gated Ion Channels: New Insights into Neurological Disorders and Ligand Recognition. Chemical Reviews, 2012, 112, 6285-6318.	47.7	133
4	An Optical Neuron-Astrocyte Proximity Assay at Synaptic Distance Scales. Neuron, 2018, 98, 49-66.e9.	8.1	117
5	Tightening of the ATP-binding sites induces the opening of P2X receptor channels. EMBO Journal, 2012, 31, 2134-2143.	7.8	71
6	Moving through the gate in ATP-activated P2X receptors. Trends in Biochemical Sciences, 2013, 38, 20-29.	7.5	64
7	Selective activation of TWIK-related acid-sensitive K ⁺ 3 subunitâ€"containing channels is analgesic in rodent models. Science Translational Medicine, 2019, 11, .	12.4	64
8	Astroglial dysfunctions drive aberrant synaptogenesis and social behavioral deficits in mice with neonatal exposure to lengthy general anesthesia. PLoS Biology, 2019, 17, e3000086.	5.6	49
9	A General Strategy to Design Highly Fluorogenic Farâ€Red and Nearâ€Infrared Tetrazine Bioorthogonal Probes. Angewandte Chemie - International Edition, 2021, 60, 2393-2397.	13.8	49
10	A Putative Extracellular Salt Bridge at the Subunit Interface Contributes to the Ion Channel Function of the ATP-gated P2X2 Receptor. Journal of Biological Chemistry, 2010, 285, 15805-15815.	3.4	48
11	Agonist trapped in ATP-binding sites of the P2X2 receptor. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9066-9071.	7.1	48
12	Active DNA unwinding and transport by a membrane-adapted helicase nanopore. Nature Communications, 2019, 10, 5083.	12.8	25
13	Imaging Intracellular Ca²⁺ Signals in Striatal Astrocytes from Adult Mice Using Genetically-encoded Calcium Indicators. Journal of Visualized Experiments, 2014, , e51972.	0.3	24
14	Inhibiting Hv1 channel in peripheral sensory neurons attenuates chronic inflammatory pain and opioid side effects. Cell Research, 2022, 32, 461-476.	12.0	24
15	Asymmetric total synthesis and antidepressant activity of (â^')-sila-mesembranol bearing a silicon stereocenter. Organic Chemistry Frontiers, 2021, 8, 5941-5947.	4.5	22
16	TREK Channel Family Activator with a Well-Defined Structureâ€"Activation Relationship for Pain and Neurogenic Inflammation. Journal of Medicinal Chemistry, 2020, 63, 3665-3677.	6.4	17
17	Intermediate closed channel state(s) precede(s) activation in the ATP-gated P2X2 receptor. Channels, 2012, 6, 398-402.	2.8	12
18	A General Strategy to Design Highly Fluorogenic Farâ€Red and Nearâ€Infrared Tetrazine Bioorthogonal Probes. Angewandte Chemie, 2021, 133, 2423-2427.	2.0	12

#	Article	IF	Citations
19	Retrochalcone derivatives are positive allosteric modulators at synaptic and extrasynaptic GABA_A receptors in vitro. British Journal of Pharmacology, 2011, 162, 1326-1339.	5.4	11
20	Contribution of Neuronal and Glial Two-Pore-Domain Potassium Channels in Health and Neurological Disorders. Neural Plasticity, 2021, 2021, 1-12.	2.2	9
21	Comparative models of P2X2 receptor support inter-subunit ATP-binding sites. Biochemical and Biophysical Research Communications, 2008, 375, 405-409.	2.1	8
22	Development of Non-opioid Analgesics Targeting Two-pore Domain Potassium Channels. Current Neuropharmacology, 2022, 20, 16-26.	2.9	3