

Ruo-Tian Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,181
citations

516710

16
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

1736
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Non-opioid Analgesics Targeting Two-pore Domain Potassium Channels. <i>Current Neuropharmacology</i> , 2022, 20, 16-26.	2.9	3
2	Inhibiting Hv1 channel in peripheral sensory neurons attenuates chronic inflammatory pain and opioid side effects. <i>Cell Research</i> , 2022, 32, 461-476.	12.0	24
3	A General Strategy to Design Highly Fluorogenic Farâ€Red and Nearâ€Infrared Tetrazine Bioorthogonal Probes. <i>Angewandte Chemie</i> , 2021, 133, 2423-2427.	2.0	12
4	A General Strategy to Design Highly Fluorogenic Farâ€Red and Nearâ€Infrared Tetrazine Bioorthogonal Probes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2393-2397.	13.8	49
5	Asymmetric total synthesis and antidepressant activity of (âˆ)—sila-mesembranol bearing a silicon stereocenter. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5941-5947.	4.5	22
6	Contribution of Neuronal and Glial Two-Pore-Domain Potassium Channels in Health and Neurological Disorders. <i>Neural Plasticity</i> , 2021, 2021, 1-12.	2.2	9
7	TREK Channel Family Activator with a Well-Defined Structureâ€Activation Relationship for Pain and Neurogenic Inflammation. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3665-3677.	6.4	17
8	Active DNA unwinding and transport by a membrane-adapted helicase nanopore. <i>Nature Communications</i> , 2019, 10, 5083.	12.8	25
9	Astroglial dysfunctions drive aberrant synaptogenesis and social behavioral deficits in mice with neonatal exposure to lengthy general anesthesia. <i>PLoS Biology</i> , 2019, 17, e3000086.	5.6	49
10	Astrocyte morphology: Diversity, plasticity, and role in neurological diseases. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 665-673.	3.9	186
11	Selective activation of TWIK-related acid-sensitive K ⁺ subunitâ€containing channels is analgesic in rodent models. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	64
12	An Optical Neuron-Astrocyte Proximity Assay at Synaptic Distance Scales. <i>Neuron</i> , 2018, 98, 49-66.e9.	8.1	117
13	Dysfunctional Calcium and Glutamate Signaling in Striatal Astrocytes from Huntington's Disease Model Mice. <i>Journal of Neuroscience</i> , 2016, 36, 3453-3470.	3.6	185
14	Imaging Intracellular Ca ²⁺ Signals in Striatal Astrocytes from Adult Mice Using Genetically-encoded Calcium Indicators. <i>Journal of Visualized Experiments</i> , 2014, , e51972.	0.3	24
15	Moving through the gate in ATP-activated P2X receptors. <i>Trends in Biochemical Sciences</i> , 2013, 38, 20-29.	7.5	64
16	Tightening of the ATP-binding sites induces the opening of P2X receptor channels. <i>EMBO Journal</i> , 2012, 31, 2134-2143.	7.8	71
17	Ligand-Gated Ion Channels: New Insights into Neurological Disorders and Ligand Recognition. <i>Chemical Reviews</i> , 2012, 112, 6285-6318.	47.7	133
18	Intermediate closed channel state(s) precede(s) activation in the ATP-gated P2X2 receptor. <i>Channels</i> , 2012, 6, 398-402.	2.8	12

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19	Retrochalcone derivatives are positive allosteric modulators at synaptic and extrasynaptic GABA _A receptors <i>in vitro</i> . <i>British Journal of Pharmacology</i> , 2011, 162, 1326-1339.	5.4	11
20	Agonist trapped in ATP-binding sites of the P2X2 receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9066-9071.	7.1	48
21	A Putative Extracellular Salt Bridge at the Subunit Interface Contributes to the Ion Channel Function of the ATP-gated P2X2 Receptor. <i>Journal of Biological Chemistry</i> , 2010, 285, 15805-15815.	3.4	48
22	Comparative models of P2X2 receptor support inter-subunit ATP-binding sites. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 405-409.	2.1	8