Yun Shi

List of Publications by Year
in descending order

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67 papers	2,838 citations	279798 23 h-index	182427 51 g-index
69 all docs	69 docs citations	69 times ranked	3628 citing authors

#	Article	IF	Citations
1	Prolineâ€rich transmembrane protein 2 specifically binds to GluA1 but has no effect on AMPA receptorâ€mediated synaptic transmission. Journal of Clinical Laboratory Analysis, 2022, 36, e24196.	2.1	2
2	Amelioration of a neurodevelopmental disorder by carbamazepine in a case having a gain-of-function GRIA3 variant. Human Genetics, 2022, 141, 283-293.	3.8	6
3	A novel Lgi1 mutation causes white matter abnormalities and impairs motor coordination in mice. FASEB Journal, 2022, 36, e22212.	0.5	6
4	Activity-dependent PI4P synthesis by PI4KIIIÎ± regulates long-term synaptic potentiation. Cell Reports, 2022, 38, 110452.	6.4	8
5	Enhancing GluN2A-type NMDA receptors impairs long-term synaptic plasticity and learning and memory. Molecular Psychiatry, 2022, 27, 3468-3478.	7.9	13
6	Dysfunction of AMPA receptor GluA3 is associated with aggressive behavior in human. Molecular Psychiatry, 2022, 27, 4092-4102.	7.9	7
7	The amino-terminal domain of GluA1 mediates LTP maintenance via interaction with neuroplastin-65. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	31
8	Endophilin A1 drives acute structural plasticity of dendritic spines in response to Ca2+/calmodulin. Journal of Cell Biology, 2021, 220, .	5.2	10
9	Pen-2 Negatively Regulates the Differentiation of Oligodendrocyte Precursor Cells into Astrocytes in the Central Nervous System. Journal of Neuroscience, 2021, 41, 4976-4990.	3.6	13
10	SNP rs10420324 in the AMPA receptor auxiliary subunit TARP Î³-8 regulates the susceptibility to antisocial personality disorder. Scientific Reports, 2021, 11, 11997.	3.3	11
11	X-linked neonatal-onset epileptic encephalopathy associated with a gain-of-function variant p.R660T in GRIA3. PLoS Genetics, 2021, 17, e1009608.	3.5	13
12	Kainate receptor modulation by NETO2. Nature, 2021, 599, 325-329.	27.8	20
13	Myoclonic status epilepticus and cerebellar hypoplasia associated with a novel variant in the GRIA3 gene. Neurogenetics, 2021, , 1.	1.4	2
14	A novel LGI1 mutation causing autosomal dominant lateral temporal lobe epilepsy confirmed by a precise knockâ€in mouse model. CNS Neuroscience and Therapeutics, 2021, , .	3.9	4
15	Attractin Participates in Schizophrenia by Affecting Testosterone Levels. Frontiers in Cell and Developmental Biology, 2021, 9, 755165.	3.7	1
16	Cannabidiol inhibits febrile seizure by modulating AMPA receptor kinetics through its interaction with the N-terminal domain of GluA1/GluA2. Pharmacological Research, 2020, 161, 105128.	7.1	20
17	The Cation Channel TMEM63B Is an Osmosensor Required for Hearing. Cell Reports, 2020, 31, 107596.	6.4	34
18	Loss of PP2A Disrupts the Retention of Radial Glial Progenitors in the Telencephalic Niche to Impair the Generation for Late-Born Neurons During Cortical Developmentâ€. Cerebral Cortex, 2020, 30, 4183-4196.	2.9	11

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19	Sangerâ€™s Reagent Sensitized Photocleavage of Amide Bond for Constructing Photocages and Regulation of Biological Functions. Journal of the American Chemical Society, 2020, 142, 3806-3813.	13.7	24
20	Distant coupling between RNA editing and alternative splicing of the osmosensitive cation channel Tmem63b. Journal of Biological Chemistry, 2020, 295, 18199-18212.	3.4	14
21	Neto proteins regulate gating of the kainate-type glutamate receptor GluK2 through two binding sites. Journal of Biological Chemistry, 2019, 294, 17889-17902.	3.4	16
22	RhTyrRS (Y341A), a novel human tyrosyl-tRNA synthetase mutant, stimulates thrombopoiesis through activation of the VEGF-R II/NF-Î²B pathway. Biochemical Pharmacology, 2019, 169, 113634.	4.4	1
23	Conditional Inactivation of Pen-2 in the Developing Neocortex Leads to Rapid Switch of Apical Progenitors to Basal Progenitors. Journal of Neuroscience, 2019, 39, 2195-2207.	3.6	11
24	Golgi-resident TRIO regulates membrane trafficking during neurite outgrowth. Journal of Biological Chemistry, 2019, 294, 10954-10968.	3.4	23
25	LTP requires postsynaptic PDZ-domain interactions with glutamate receptor/auxiliary protein complexes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3948-3953.	7.1	54
26	Signal peptide represses GluK1 surface and synaptic trafficking through binding to amino-terminal domain. Nature Communications, 2018, 9, 4879.	12.8	15
27	Endophilin A1 Promotes Actin Polymerization in Dendritic Spines Required for Synaptic Potentiation. Frontiers in Molecular Neuroscience, 2018, 11, 177.	2.9	19
28	Amino-terminal domains of kainate receptors determine the differential dependence on Neto auxiliary subunits for trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1159-1164.	7.1	22
29	A Convenient Cas9-based Conditional Knockout Strategy for Simultaneously Targeting Multiple Genes in Mouse. Scientific Reports, 2017, 7, 517.	3.3	25
30	eFarm: A Tool for Better Observing Agricultural Land Systems. Sensors, 2017, 17, 453.	3.8	30
31	The Inhibitory Effect of Î±/Î²-Hydrolase Domain-Containing 6 (ABHD6) on the Surface Targeting of GluA2- and GluA3-Containing AMPA Receptors. Frontiers in Molecular Neuroscience, 2017, 10, 55.	2.9	17
32	Ablation of SNX6 leads to defects in synaptic function of CA1 pyramidal neurons and spatial memory. ELife, 2017, 6, .	6.0	18
33	Nox-2-Mediated Phenotype Loss of Hippocampal Parvalbumin Interneurons Might Contribute to Postoperative Cognitive Decline in Aging Mice. Frontiers in Aging Neuroscience, 2016, 8, 234.	3.4	49
34	Generation of an Oocyte-Specific Cas9 Transgenic Mouse for Genome Editing. PLoS ONE, 2016, 11, e0154364.	2.5	10
35	Astroglial Activation and Tau Hyperphosphorylation Precede to Neuron Loss in a Neurodegenerative Mouse Model. CNS Neuroscience and Therapeutics, 2016, 22, 244-247.	3.9	11
36	Î±/Î²-Hydrolase domain-containing 6 (ABHD6) negatively regulates the surface delivery and synaptic function of AMPA receptors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2695-704.	7.1	58

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37	GluA1 signal peptide determines the spatial assembly of heteromeric AMPA receptors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5645-54.	7.1	13
38	Effects of Placental Ischemia Are Attenuated by 1,25-Dihydroxyvitamin D Treatment and Associated with Reduced Apoptosis and Increased Autophagy. DNA and Cell Biology, 2016, 35, 59-70.	1.9	28
39	Minocycline reduces neuroinflammation but does not ameliorate neuron loss in a mouse model of neurodegeneration. Scientific Reports, 2015, 5, 10535.	3.3	49
40	DNA Methylation, Its Mediators and Genome Integrity. International Journal of Biological Sciences, 2015, 11, 604-617.	6.4	195
41	Neto auxiliary proteins control both the trafficking and biophysical properties of the kainate receptor GluK1. ELife, 2015, 4, .	6.0	26
42	The Emerging Nexus of Active DNA Demethylation and Mitochondrial Oxidative Metabolism in Post-Mitotic Neurons. International Journal of Molecular Sciences, 2014, 15, 22604-22625.	4.1	9
43	Acute exposure of methylglyoxal leads to activation of KATP channels expressed in HEK293 cells. Acta Pharmacologica Sinica, 2014, 35, 58-64.	6.1	16
44	Ti incorporation in MCM-41 mesoporous molecular sieves using hydrothermal synthesis. Frontiers of Chemical Science and Engineering, 2014, 8, 95-103.	4.4	6
45	Framework of SAGI Agriculture Remote Sensing and Its Perspectives in Supporting National Food Security. Journal of Integrative Agriculture, 2014, 13, 1443-1450.	3.5	13
46	LTP requires a reserve pool of glutamate receptors independent of subunit type. Nature, 2013, 493, 495-500.	27.8	275
47	Cornichon Proteins Determine the Subunit Composition of Synaptic AMPA Receptors. Neuron, 2013, 77, 1083-1096.	8.1	133
48	SynDIG1 Promotes Excitatory Synaptogenesis Independent of AMPA Receptor Trafficking and Biophysical Regulation. PLoS ONE, 2013, 8, e66171.	2.5	26
49	K(ATP) channel action in vascular tone regulation: from genetics to diseases. Acta Physiologica Sinica, 2012, 64, 1-13.	0.5	18
50	Distinct Modes of AMPA Receptor Suppression at Developing Synapses by GluN2A and GluN2B: Single-Cell NMDA Receptor Subunit Deletion InÂVivo. Neuron, 2011, 71, 1085-1101.	8.1	241
51	Molecular Basis and Structural Insight of Vascular KATP Channel Gating by S-Glutathionylation. Journal of Biological Chemistry, 2011, 286, 9298-9307.	3.4	37
52	Functional comparison of the effects of TARPs and cornichons on AMPA receptor trafficking and gating. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16315-16319.	7.1	102
53	Subunit Composition of Synaptic AMPA Receptors Revealed by a Single-Cell Genetic Approach. Neuron, 2009, 62, 254-268.	8.1	558
54	The Stoichiometry of AMPA Receptors and TARPs Varies by Neuronal Cell Type. Neuron, 2009, 62, 633-640.	8.1	123

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55	Dispersion and catalytic activity of MoO₃on TiO₂â€“SiO₂binary oxide support. AIChE Journal, 2008, 54, 741-749.	3.6	7
56	PKA-dependent activation of the vascular smooth muscle isoform of KATP channels by vasoactive intestinal polypeptide and its effect on relaxation of the mesenteric resistance artery. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 88-96.	2.6	35
57	A Short Motif in Kir6.1 Consisting of Four Phosphorylation Repeats Underlies the Vascular KATP Channel Inhibition by Protein Kinase C. Journal of Biological Chemistry, 2008, 283, 2488-2494.	3.4	30
58	cAMP-dependent Protein Kinase Phosphorylation Produces Interdomain Movement in SUR2B Leading to Activation of the Vascular KATP Channel. Journal of Biological Chemistry, 2008, 283, 7523-7530.	3.4	33
59	PKA phosphorylation of SUR2B subunit underscores vascular KATP channel activation by beta-adrenergic receptors. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1205-R1214.	1.8	69
60	Arginine vasopressin inhibits Kir6.1/SUR2B channel and constricts the mesenteric artery via V1a receptor and protein kinase C. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R191-R199.	1.8	26
61	High CO2chemosensitivityversuswide sensing spectrum: a paradoxical problem and its solutions in cultured brainstem neurons. Journal of Physiology, 2007, 578, 831-841.	2.9	18
62	Elimination of allosteric modulation of myocardial KATP channels by ATP and protons in two Kir6.2 polymorphisms found in sudden cardiac death. Physiological Genomics, 2006, 25, 105-115.	2.3	9
63	Kir6.2 Channel Gating by Intracellular Protons: Subunit Stoichiometry for Ligand Binding and Channel Gating. Journal of Membrane Biology, 2006, 213, 155-164.	2.1	3
64	Determinant Role of Membrane Helices in KATP Channel Gating. Journal of Membrane Biology, 2005, 204, 1-10.	2.1	4
65	Single Nucleotide Polymorphisms in KATP Channels: Muscular Impact on Type 2 Diabetes. Diabetes, 2005, 54, 1592-1597.	0.6	22
66	Molecular basis for the inhibition of G protein-coupled inward rectifier K+ channels by protein kinase C. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1087-1092.	7.1	79
67	Critical protein domains and amino acid residues for gating the KIR6.2 channel by intracellular ATP. Journal of Cellular Physiology, 2004, 198, 73-81.	4.1	5