

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	Subunit Composition of Synaptic AMPA Receptors Revealed by a Single-Cell Genetic Approach. <i>Neuron</i> , 2009, 62, 254-268.	8.1	558
2	LTP requires a reserve pool of glutamate receptors independent of subunit type. <i>Nature</i> , 2013, 493, 495-500.	27.8	275
3	Distinct Modes of AMPA Receptor Suppression at Developing Synapses by GluN2A and GluN2B: Single-Cell NMDA Receptor Subunit Deletion In Vivo. <i>Neuron</i> , 2011, 71, 1085-1101.	8.1	241
4	DNA Methylation, Its Mediators and Genome Integrity. <i>International Journal of Biological Sciences</i> , 2015, 11, 604-617.	6.4	195
5	Cornichon Proteins Determine the Subunit Composition of Synaptic AMPA Receptors. <i>Neuron</i> , 2013, 77, 1083-1096.	8.1	133
6	The Stoichiometry of AMPA Receptors and TARPs Varies by Neuronal Cell Type. <i>Neuron</i> , 2009, 62, 633-640.	8.1	123
7	Functional comparison of the effects of TARPs and cornichons on AMPA receptor trafficking and gating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16315-16319.	7.1	102
8	Molecular basis for the inhibition of G protein-coupled inward rectifier K ⁺ channels by protein kinase C. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1087-1092.	7.1	79
9	PKA phosphorylation of SUR2B subunit underscores vascular KATP channel activation by beta-adrenergic receptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R1205-R1214.	1.8	69
10	Î±/Î²-Hydrolase domain-containing 6 (ABHD6) negatively regulates the surface delivery and synaptic function of AMPA receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2695-704.	7.1	58
11	LTP requires postsynaptic PDZ-domain interactions with glutamate receptor/auxiliary protein complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3948-3953.	7.1	54
12	Minocycline reduces neuroinflammation but does not ameliorate neuron loss in a mouse model of neurodegeneration. <i>Scientific Reports</i> , 2015, 5, 10535.	3.3	49
13	Nox-2-Mediated Phenotype Loss of Hippocampal Parvalbumin Interneurons Might Contribute to Postoperative Cognitive Decline in Aging Mice. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 234.	3.4	49
14	Molecular Basis and Structural Insight of Vascular KATP Channel Gating by S-Glutathionylation. <i>Journal of Biological Chemistry</i> , 2011, 286, 9298-9307.	3.4	37
15	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. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 88-96.	2.6	35
16	The Cation Channel TMEM63B Is an Osmosensor Required for Hearing. <i>Cell Reports</i> , 2020, 31, 107596.	6.4	34
17	cAMP-dependent Protein Kinase Phosphorylation Produces Interdomain Movement in SUR2B Leading to Activation of the Vascular KATP Channel. <i>Journal of Biological Chemistry</i> , 2008, 283, 7523-7530.	3.4	33
18	The amino-terminal domain of GluA1 mediates LTP maintenance via interaction with neuroligin-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	31

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19	A Short Motif in Kir6.1 Consisting of Four Phosphorylation Repeats Underlies the Vascular KATP Channel Inhibition by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2008, 283, 2488-2494.	3.4	30
20	eFarm: A Tool for Better Observing Agricultural Land Systems. <i>Sensors</i> , 2017, 17, 453.	3.8	30
21	Effects of Placental Ischemia Are Attenuated by 1,25-Dihydroxyvitamin D Treatment and Associated with Reduced Apoptosis and Increased Autophagy. <i>DNA and Cell Biology</i> , 2016, 35, 59-70.	1.9	28
22	Arginine vasopressin inhibits Kir6.1/SUR2B channel and constricts the mesenteric artery via V1a receptor and protein kinase C. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R191-R199.	1.8	26
23	SynDIG1 Promotes Excitatory Synaptogenesis Independent of AMPA Receptor Trafficking and Biophysical Regulation. <i>PLoS ONE</i> , 2013, 8, e66171.	2.5	26
24	Neto auxiliary proteins control both the trafficking and biophysical properties of the kainate receptor GluK1. <i>ELife</i> , 2015, 4, .	6.0	26
25	A Convenient Cas9-based Conditional Knockout Strategy for Simultaneously Targeting Multiple Genes in Mouse. <i>Scientific Reports</i> , 2017, 7, 517.	3.3	25
26	Sanger's Reagent Sensitized Photocleavage of Amide Bond for Constructing Photocages and Regulation of Biological Functions. <i>Journal of the American Chemical Society</i> , 2020, 142, 3806-3813.	13.7	24
27	Golgi-resident TRIO regulates membrane trafficking during neurite outgrowth. <i>Journal of Biological Chemistry</i> , 2019, 294, 10954-10968.	3.4	23
28	Single Nucleotide Polymorphisms in KATP Channels: Muscular Impact on Type 2 Diabetes. <i>Diabetes</i> , 2005, 54, 1592-1597.	0.6	22
29	Amino-terminal domains of kainate receptors determine the differential dependence on Neto auxiliary subunits for trafficking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1159-1164.	7.1	22
30	Cannabidiol inhibits febrile seizure by modulating AMPA receptor kinetics through its interaction with the N-terminal domain of GluA1/GluA2. <i>Pharmacological Research</i> , 2020, 161, 105128.	7.1	20
31	Kainate receptor modulation by NETO2. <i>Nature</i> , 2021, 599, 325-329.	27.8	20
32	Endophilin A1 Promotes Actin Polymerization in Dendritic Spines Required for Synaptic Potentiation. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 177.	2.9	19
33	High CO ₂ chemosensitivity versus wide sensing spectrum: a paradoxical problem and its solutions in cultured brainstem neurons. <i>Journal of Physiology</i> , 2007, 578, 831-841.	2.9	18
34	Ablation of SNX6 leads to defects in synaptic function of CA1 pyramidal neurons and spatial memory. <i>ELife</i> , 2017, 6, .	6.0	18
35	K(ATP) channel action in vascular tone regulation: from genetics to diseases. <i>Acta Physiologica Sinica</i> , 2012, 64, 1-13.	0.5	18
36	The Inhibitory Effect of $\hat{1}\pm/\hat{1}^2$ -Hydrolase Domain-Containing 6 (ABHD6) on the Surface Targeting of GluA2- and GluA3-Containing AMPA Receptors. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 55.	2.9	17

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37	Acute exposure of methylglyoxal leads to activation of KATP channels expressed in HEK293 cells. <i>Acta Pharmacologica Sinica</i> , 2014, 35, 58-64.	6.1	16
38	Neto proteins regulate gating of the kainate-type glutamate receptor GluK2 through two binding sites. <i>Journal of Biological Chemistry</i> , 2019, 294, 17889-17902.	3.4	16
39	Signal peptide represses GluK1 surface and synaptic trafficking through binding to amino-terminal domain. <i>Nature Communications</i> , 2018, 9, 4879.	12.8	15
40	Distant coupling between RNA editing and alternative splicing of the osmosensitive cation channel Tmem63b. <i>Journal of Biological Chemistry</i> , 2020, 295, 18199-18212.	3.4	14
41	Framework of SAGI Agriculture Remote Sensing and Its Perspectives in Supporting National Food Security. <i>Journal of Integrative Agriculture</i> , 2014, 13, 1443-1450.	3.5	13
42	GluA1 signal peptide determines the spatial assembly of heteromeric AMPA receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5645-54.	7.1	13
43	Pen-2 Negatively Regulates the Differentiation of Oligodendrocyte Precursor Cells into Astrocytes in the Central Nervous System. <i>Journal of Neuroscience</i> , 2021, 41, 4976-4990.	3.6	13
44	X-linked neonatal-onset epileptic encephalopathy associated with a gain-of-function variant p.R660T in GRIA3. <i>PLoS Genetics</i> , 2021, 17, e1009608.	3.5	13
45	Enhancing GluN2A-type NMDA receptors impairs long-term synaptic plasticity and learning and memory. <i>Molecular Psychiatry</i> , 2022, 27, 3468-3478.	7.9	13
46	Astroglial Activation and Tau Hyperphosphorylation Precede to Neuron Loss in a Neurodegenerative Mouse Model. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 244-247.	3.9	11
47	Conditional Inactivation of Pen-2 in the Developing Neocortex Leads to Rapid Switch of Apical Progenitors to Basal Progenitors. <i>Journal of Neuroscience</i> , 2019, 39, 2195-2207.	3.6	11
48	Loss of PP2A Disrupts the Retention of Radial Glial Progenitors in the Telencephalic Niche to Impair the Generation for Late-Born Neurons During Cortical Development. <i>Cerebral Cortex</i> , 2020, 30, 4183-4196.	2.9	11
49	SNP rs10420324 in the AMPA receptor auxiliary subunit TARP β -8 regulates the susceptibility to antisocial personality disorder. <i>Scientific Reports</i> , 2021, 11, 11997.	3.3	11
50	Generation of an Oocyte-Specific Cas9 Transgenic Mouse for Genome Editing. <i>PLoS ONE</i> , 2016, 11, e0154364.	2.5	10
51	Endophilin A1 drives acute structural plasticity of dendritic spines in response to Ca ²⁺ /calmodulin. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	10
52	Elimination of allosteric modulation of myocardial KATP channels by ATP and protons in two Kir6.2 polymorphisms found in sudden cardiac death. <i>Physiological Genomics</i> , 2006, 25, 105-115.	2.3	9
53	The Emerging Nexus of Active DNA Demethylation and Mitochondrial Oxidative Metabolism in Post-Mitotic Neurons. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22604-22625.	4.1	9
54	Activity-dependent PI4P synthesis by PI4KIII β regulates long-term synaptic potentiation. <i>Cell Reports</i> , 2022, 38, 110452.	6.4	8

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55	Dispersion and catalytic activity of MoO ₃ on TiO ₂ –SiO ₂ binary oxide support. <i>AICHE Journal</i> , 2008, 54, 741-749.	3.6	7
56	Dysfunction of AMPA receptor GluA3 is associated with aggressive behavior in human. <i>Molecular Psychiatry</i> , 2022, 27, 4092-4102.	7.9	7
57	Ti incorporation in MCM-41 mesoporous molecular sieves using hydrothermal synthesis. <i>Frontiers of Chemical Science and Engineering</i> , 2014, 8, 95-103.	4.4	6
58	Amelioration of a neurodevelopmental disorder by carbamazepine in a case having a gain-of-function GRIA3 variant. <i>Human Genetics</i> , 2022, 141, 283-293.	3.8	6
59	A novel <i>Lgi1</i> mutation causes white matter abnormalities and impairs motor coordination in mice. <i>FASEB Journal</i> , 2022, 36, e22212.	0.5	6
60	Critical protein domains and amino acid residues for gating the KIR6.2 channel by intracellular ATP. <i>Journal of Cellular Physiology</i> , 2004, 198, 73-81.	4.1	5
61	Determinant Role of Membrane Helices in KATP Channel Gating. <i>Journal of Membrane Biology</i> , 2005, 204, 1-10.	2.1	4
62	A novel LGI1 mutation causing autosomal dominant lateral temporal lobe epilepsy confirmed by a precise knock-in mouse model. <i>CNS Neuroscience and Therapeutics</i> , 2021, , .	3.9	4
63	Kir6.2 Channel Gating by Intracellular Protons: Subunit Stoichiometry for Ligand Binding and Channel Gating. <i>Journal of Membrane Biology</i> , 2006, 213, 155-164.	2.1	3
64	Myoclonic status epilepticus and cerebellar hypoplasia associated with a novel variant in the GRIA3 gene. <i>Neurogenetics</i> , 2021, , 1.	1.4	2
65	Proline-rich transmembrane protein 2 specifically binds to GluA1 but has no effect on AMPA receptor-mediated synaptic transmission. <i>Journal of Clinical Laboratory Analysis</i> , 2022, 36, e24196.	2.1	2
66	RhTyrRS (Y341A), a novel human tyrosyl-tRNA synthetase mutant, stimulates thrombopoiesis through activation of the VEGF-R II/NF- κ B pathway. <i>Biochemical Pharmacology</i> , 2019, 169, 113634.	4.4	1
67	Attractin Participates in Schizophrenia by Affecting Testosterone Levels. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 755165.	3.7	1