

# Mala M Shah

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,824  
citations

471509

17  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seizure-Induced Plasticity of h Channels in Entorhinal Cortical Layer III Pyramidal Neurons. <i>Neuron</i> , 2004, 44, 495-508.	8.1	269
2	Functional significance of axonal Kv7 channels in hippocampal pyramidal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7869-7874.	7.1	242
3	Presynaptic HCN1 channels regulate CaV3.2 activity and neurotransmission at select cortical synapses. <i>Nature Neuroscience</i> , 2011, 14, 478-486.	14.8	154
4	Loss of Dendritic HCN1 Subunits Enhances Cortical Excitability and Epileptogenesis. <i>Journal of Neuroscience</i> , 2009, 29, 10979-10988.	3.6	151
5	Ion channels in genetic and acquired forms of epilepsy. <i>Journal of Physiology</i> , 2013, 591, 753-764.	2.9	130
6	Cortical HCN channels: function, trafficking and plasticity. <i>Journal of Physiology</i> , 2014, 592, 2711-2719.	2.9	127
7	Dendritic ion channel trafficking and plasticity. <i>Trends in Neurosciences</i> , 2010, 33, 307-316.	8.6	121
8	Opportunities for improving animal welfare in rodent models of epilepsy and seizures. <i>Journal of Neuroscience Methods</i> , 2016, 260, 2-25.	2.5	93
9	Cholinergic Afferent Stimulation Induces Axonal Function Plasticity in Adult Hippocampal Granule Cells. <i>Neuron</i> , 2015, 85, 346-363.	8.1	92
10	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels as Drug Targets for Neurological Disorders. <i>Annual Review of Pharmacology and Toxicology</i> , 2020, 60, 109-131.	9.4	71
11	The LIM Homeodomain Protein Lhx6 Regulates Maturation of Interneurons and Network Excitability in the Mammalian Cortex. <i>Cerebral Cortex</i> , 2013, 23, 1811-1823.	2.9	54
12	Differential effects of Kv7 (M <sup>+</sup> ) channels on synaptic integration in distinct subcellular compartments of rat hippocampal pyramidal neurons. <i>Journal of Physiology</i> , 2011, 589, 6029-6038.	2.9	47
13	Enhancement of Hippocampal Pyramidal Cell Excitability by the Novel Selective Slow-Afterhyperpolarization Channel Blocker 3-(Triphenylmethylaminomethyl)pyridine (UCL2077). <i>Molecular Pharmacology</i> , 2006, 70, 1494-1502.	2.3	46
14	K <sup>+</sup> Currents Generated by NMDA Receptor Activation in Rat Hippocampal Pyramidal Neurons. <i>Journal of Neurophysiology</i> , 2002, 87, 2983-2989.	1.8	44
15	HCN and KV7 (M <sup>-</sup> ) channels as targets for epilepsy treatment. <i>Neuropharmacology</i> , 2013, 69, 75-81.	4.1	42
16	TRIP8b-Independent Trafficking and Plasticity of Adult Cortical Presynaptic HCN1 Channels. <i>Journal of Neuroscience</i> , 2012, 32, 14835-14848.	3.6	34
17	HCN1 Channels: A New Therapeutic Target for Depressive Disorders?. <i>Science Signaling</i> , 2012, 5, pe44.	3.6	22
18	HCN1 channels reduce the rate of exocytosis from a subset of cortical synaptic terminals. <i>Scientific Reports</i> , 2017, 7, 40257.	3.3	22

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19	The subthreshold-active KV7 current regulates neurotransmission by limiting spike-induced Ca <sup>2+</sup> influx in hippocampal mossy fiber synaptic terminals. <i>Communications Biology</i> , 2019, 2, 145.	4.4	19
20	Tritylamino Aromatic Heterocycles and Related Carbinols as Blockers of Ca <sup>2+</sup> -Activated Potassium Ion Channels Underlying Neuronal Hyperpolarization. <i>Archiv Der Pharmazie</i> , 2002, 335, 159.	4.1	13
21	Neuronal HCN channel function and plasticity. <i>Current Opinion in Physiology</i> , 2018, 2, 92-97.	1.8	8
22	Dendrites and disease. , 2007, , 531-550.		8
23	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channel Currents in Neurons. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.top087346.	0.3	7
24	Hippocalcin: A New Solution to an Old Puzzle. <i>Neuron</i> , 2007, 53, 467-468.	8.1	4
25	A new HCN1 channelopathy: implications for epilepsy. <i>Brain</i> , 2021, 144, 1939-1940.	7.6	2
26	Recording Dendritic Ion Channel Properties and Function from Cortical Neurons. <i>Methods in Molecular Biology</i> , 2013, 998, 303-309.	0.9	1
27	Recording Hyperpolarization-Activated Cyclic Nucleotide-Gated Channel Currents (I <sub>h</sub> ) in Neurons. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot091462.	0.3	1
28	Tritylamino Aromatic Heterocycles and Related Carbinols as Blockers of Ca <sup>2+</sup> -Activated Potassium Ion Channels Underlying Neuronal Hyperpolarization.. <i>ChemInform</i> , 2002, 33, 143-143.	0.0	0