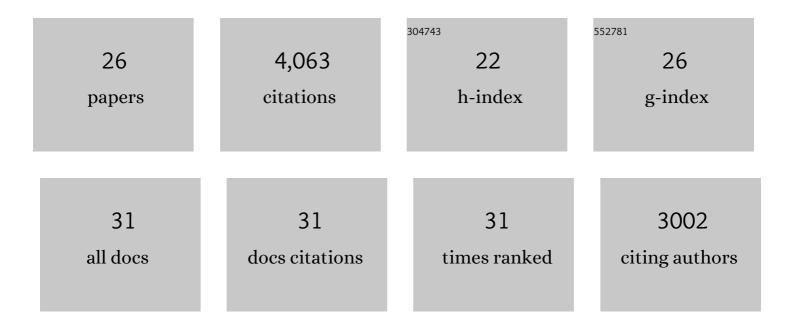
Bina Santoro

List of Publications by Year in descending order

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RINA SANTORO

#	Article	IF	CITATIONS
1	Cation leak underlies neuronal excitability in an HCN1 developmental and epileptic encephalopathy. Brain, 2021, 144, 2060-2073.	7.6	26
2	Gating movements and ion permeation in HCN4 pacemaker channels. Molecular Cell, 2021, 81, 2929-2943.e6.	9.7	41
3	Frequency-Dependent Synaptic Dynamics Differentially Tune CA1 and CA2 Pyramidal Neuron Responses to Cortical Input. Journal of Neuroscience, 2021, 41, 8103-8110.	3.6	7
4	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels as Drug Targets for Neurological Disorders. Annual Review of Pharmacology and Toxicology, 2020, 60, 109-131.	9.4	71
5	The HCN domain couples voltage gating and cAMP response in hyperpolarization-activated cyclic nucleotide-gated channels. ELife, 2019, 8, .	6.0	45
6	<i>HCN1</i> mutation spectrum: from neonatal epileptic encephalopathy to benign generalized epilepsy and beyond. Brain, 2018, 141, 3160-3178.	7.6	96
7	A synthetic peptide that prevents cAMP regulation in mammalian hyperpolarization-activated cyclic nucleotide-gated (HCN) channels. ELife, 2018, 7, .	6.0	43
8	Mechanical transduction of cytoplasmic-to-transmembrane-domain movements in a hyperpolarization-activated cyclic nucleotide–gated cation channel. Journal of Biological Chemistry, 2018, 293, 12908-12918.	3.4	25
9	The Dendrites of CA2 and CA1 Pyramidal Neurons Differentially Regulate Information Flow in the Cortico-Hippocampal Circuit. Journal of Neuroscience, 2017, 37, 3276-3293.	3.6	54
10	Structural basis for the mutual antagonism of cAMP and TRIP8b in regulating HCN channel function. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14577-14582.	7.1	68
11	Binding of the auxiliary subunit TRIP8b to HCN channels shifts the mode of action of cAMP. Journal of General Physiology, 2013, 142, 599-612.	1.9	39
12	TRIP8b Splice Forms Act in Concert to Regulate the Localization and Expression of HCN1 Channels in CA1 Pyramidal Neurons. Neuron, 2011, 70, 495-509.	8.1	69
13	TRIP8b Regulates HCN1 Channel Trafficking and Gating through Two Distinct C-Terminal Interaction Sites. Journal of Neuroscience, 2011, 31, 4074-4086.	3.6	72
14	Increased seizure severity and seizureâ€related death in mice lacking HCN1 channels. Epilepsia, 2010, 51, 1624-1627.	5.1	79
15	Sensitivity of HCN channel deactivation to cAMP is amplified by an S4 mutation combined with activation mode shift. Pflugers Archiv European Journal of Physiology, 2009, 458, 877-889.	2.8	12
16	TRIP8b Splice Variants Form a Family of Auxiliary Subunits that Regulate Gating and Trafficking of HCN Channels in the Brain. Neuron, 2009, 62, 802-813.	8.1	151
17	HCN1 Channels Control Resting and Active Integrative Properties of Stellate Cells from Layer II of the Entorhinal Cortex. Journal of Neuroscience, 2007, 27, 12440-12451.	3.6	175
18	Regulation of HCN Channel Surface Expression by a Novel C-Terminal Protein-Protein Interaction. Journal of Neuroscience, 2004, 24, 10750-10762.	3.6	186

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#	Article	IF	CITATIONS
19	A Behavioral Role for Dendritic Integration. Cell, 2004, 119, 719-732.	28.9	299
20	The multiple personalities of h-channels. Trends in Neurosciences, 2003, 26, 550-554.	8.6	114
21	The Hyperpolarization-Activated HCN1 Channel Is Important for Motor Learning and Neuronal Integration by Cerebellar Purkinje Cells. Cell, 2003, 115, 551-564.	28.9	287
22	Molecular mechanism of cAMP modulation of HCN pacemaker channels. Nature, 2001, 411, 805-810.	27.8	456
23	HCN2 Overexpression in Newborn and Adult Ventricular Myocytes. Circulation Research, 2001, 89, E8-14.	4.5	121
24	Molecular and Functional Heterogeneity of Hyperpolarization-Activated Pacemaker Channels in the Mouse CNS. Journal of Neuroscience, 2000, 20, 5264-5275.	3.6	537
25	The HCN Gene Family: Molecular Basis of the Hyperpolarization-Activated Pacemaker Channels. Annals of the New York Academy of Sciences, 1999, 868, 741-764.	3.8	332
26	Identification of a Gene Encoding a Hyperpolarization-Activated Pacemaker Channel of Brain. Cell, 1998, 93, 717-729.	28.9	656