Beiying Liu

List of Publications by Year
in descending order

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17	1,623	687363 13	888059 17
papers	citations	h-index	g-index

18	18	18	1627
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional Control of Cold- and Menthol-Sensitive TRPM8 Ion Channels by Phosphatidylinositol 4,5-Bisphosphate. Journal of Neuroscience, 2005, 25, 1674-1681.	3.6	285
2	TRPV1 Channels Are Intrinsically Heat Sensitive and Negatively Regulated by Phosphoinositide Lipids. Neuron, 2013, 77, 667-679.	8.1	274
3	Modular thermal sensors in temperature-gated transient receptor potential (TRP) channels. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11109-11114.	7.1	196
4	Functional Recovery from Desensitization of Vanilloid Receptor TRPV1 Requires Resynthesis of Phosphatidylinositol 4,5-Bisphosphate. Journal of Neuroscience, 2005, 25, 4835-4843.	3.6	188
5	Thermodynamics of Heat Activation of Single Capsaicin Ion Channels VR1. Biophysical Journal, 2003, 85, 2988-3006.	0.5	155
6	Rapid Temperature Jump by Infrared Diode Laser Irradiation for Patch-Clamp Studies. Biophysical Journal, 2009, 96, 3611-3619.	0.5	138
7	Kinetic and Energetic Analysis of Thermally Activated TRPV1 Channels. Biophysical Journal, 2010, 99, 1743-1753.	0.5	107
8	Hysteresis of gating underlines sensitization of TRPV3 channels. Journal of General Physiology, 2011, 138, 509-520.	1.9	82
9	Use Dependence of Heat Sensitivity of Vanilloid Receptor TRPV2. Biophysical Journal, 2016, 110, 1523-1537.	0.5	45
10	Single-residue molecular switch for high-temperature dependence of vanilloid receptor TRPV3. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1589-1594.	7.1	39
11	The Integrity of the TRP Domain Is Pivotal for Correct TRPV1 Channel Gating. Biophysical Journal, 2015, 109, 529-541.	0.5	37
12	Inhibitory modulation of distal C-terminal on protein kinase C-dependent phospho-regulation of rat TRPV1 receptors. Journal of Physiology, 2004, 560, 627-638.	2.9	26
13	Proton inhibition of unitary currents of vanilloid receptors. Journal of General Physiology, 2009, 134, 243-258.	1.9	26
14	Cross-subunit interactions that stabilize open states mediate gating in NMDA receptors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
15	Identification of a helixâ€“turnâ€“helix motif for high temperature dependence of vanilloid receptor TRPV2. Journal of Physiology, 2021, 599, 4831-4844.	2.9	9
16	The Xenopus tropicalis orthologue of TRPV3 is heat sensitive. Journal of General Physiology, 2015, 146, 411-421.	1.9	3
17	Patch-Clamp Combined with Fast Temperature Jumps to Study Thermal TRP Channels. Methods in Molecular Biology, 2019, 1987, 125-141.	0.9	3