

Beiyang Liu

List of Publications by Year in descending order

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17
papers

1,623
citations

687363

13
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1627
citing authors

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