

Xuan-Yu Meng

List of Publications by Year in descending order

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papers

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759233

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times ranked

870
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphoinositide Control of Membrane Protein Function: A Frontier Led by Studies on Ion Channels. <i>Annual Review of Physiology</i> , 2015, 77, 81-104.	13.1	84
2	Selective phosphorylation modulates the PIP2 sensitivity of the CaM ϵ SK channel complex. <i>Nature Chemical Biology</i> , 2014, 10, 753-759.	8.0	59
3	The Molecular Mechanism by which PIP2 Opens the Intracellular G-Loop Gate of a Kir3.1 Channel. <i>Biophysical Journal</i> , 2012, 102, 2049-2059.	0.5	53
4	Exploring the Nanotoxicology of MoS ₂ : A Study on the Interaction of MoS ₂ Nanoflakes and K ⁺ Channels. <i>ACS Nano</i> , 2018, 12, 705-717.	14.6	44
5	Structural Determinants of Phosphatidylinositol 4,5-Bisphosphate (PIP2) Regulation of BK Channel Activity through the RCK1 Ca ²⁺ Coordination Site. <i>Journal of Biological Chemistry</i> , 2014, 289, 18860-18872.	3.4	37
6	The Molecular Mechanism of Opening the Helix Bundle Crossing (HBC) Gate of a Kir Channel. <i>Scientific Reports</i> , 2016, 6, 29399.	3.3	26
7	A Critical Gating Switch at a Modulatory Site in Neuronal Kir3 Channels. <i>Journal of Neuroscience</i> , 2015, 35, 14397-14405.	3.6	22
8	Unifying Mechanism of Controlling Kir3 Channel Activity by G Proteins and Phosphoinositides. <i>International Review of Neurobiology</i> , 2015, 123, 1-26.	2.0	20
9	EGCG in Green Tea Induces Aggregation of HMGB1 Protein through Large Conformational Changes with Polarized Charge Redistribution. <i>Scientific Reports</i> , 2016, 6, 22128.	3.3	19
10	Computational Approaches for Modeling GPCR Dimerization. <i>Current Pharmaceutical Biotechnology</i> , 2014, 15, 996-1006.	1.6	18
11	Binding patterns and dynamics of double-stranded DNA on the phosphorene surface. <i>Nanoscale</i> , 2020, 12, 9430-9439.	5.6	17
12	Particle Size-Dependent Antibacterial Activity and Murine Cell Cytotoxicity Induced by Graphene Oxide Nanomaterials. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-9.	2.7	12
13	Molecular overlap in the regulation of SK channels by small molecules and phosphoinositides. <i>Science Advances</i> , 2015, 1, e1500008.	10.3	11
14	The Heptahelical Domain of the Sweet Taste Receptor T1R2 Is a New Allosteric Binding Site for the Sweet Taste Modulator Amiloride That Modulates Sweet Taste in a Species-Dependent Manner. <i>Journal of Molecular Neuroscience</i> , 2018, 66, 207-213.	2.3	11
15	Zipper-Like Unfolding of dsDNA Caused by Graphene Wrinkles. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3332-3340.	3.1	11
16	Inhibition of CYP2C8 by metallofullerenol Gd@C82(OH) ₂₂ through blocking substrate channels and substrate recognition sites. <i>Carbon</i> , 2018, 127, 667-675.	10.3	9
17	Molecular Dynamics Simulation Study on Interactions of Cycloviolacin with Different Phospholipids. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3476-3485.	2.6	8
18	Predicting Protein Interactions by Brownian Dynamics Simulations. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-11.	3.0	7

#	ARTICLE	IF	CITATIONS
19	Multifaceted Regulation of Potassium-Ion Channels by Graphene Quantum Dots. ACS Applied Materials & Interfaces, 2021, 13, 27784-27795.	8.0	4
20	Molecular mechanism of phosphoinositides' specificity for the inwardly rectifying potassium channel Kir2.2. Chemical Science, 2018, 9, 8352-8362.	7.4	2
21	Potential blockade of the human voltage-dependent anion channel by MoS2 nanoflakes. Physical Chemistry Chemical Physics, 2019, 21, 9520-9530.	2.8	2
22	The Molecular Mechanism of Human Voltage-Dependent Anion Channel 1 Blockade by the Metallofullerenol Gd@C82(OH)22: An In Silico Study. Biomolecules, 2022, 12, 123.	4.0	1