

Wesley M Botello-Smith

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

449
citations

1163117

8
h-index

1058476

14
g-index

21
all docs

21
docs citations

21
times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	A mechanism for the activation of the mechanosensitive Piezo1 channel by the small molecule Yoda1. Nature Communications, 2019, 10, 4503.	12.8	136
2	Probing the gating mechanism of the mechanosensitive channel Piezo1 with the small molecule Yoda1. Nature Communications, 2018, 9, 2029.	12.8	104
3	Can Relative Binding Free Energy Predict Selectivity of Reversible Covalent Inhibitors?. Journal of the American Chemical Society, 2017, 139, 17945-17952.	13.7	44
4	Molecular Mechanism of Resveratrol's Lipid Membrane Protection. Scientific Reports, 2018, 8, 1587.	3.3	37
5	Crowding-induced opening of the mechanosensitive Piezo1 channel in silico. Communications Biology, 2021, 4, 84.	4.4	35
6	Robust Determination of Protein Allosteric Signaling Pathways. Journal of Chemical Theory and Computation, 2019, 15, 2116-2126.	5.3	33
7	Polymodal allosteric regulation of Type 1 Serine/Threonine Kinase Receptors via a conserved electrostatic lock. PLoS Computational Biology, 2017, 13, e1005711.	3.2	16
8	The connexin26 human mutation N14K disrupts cytosolic intersubunit interactions and promotes channel opening. Journal of General Physiology, 2019, 151, 328-341.	1.9	16
9	Ion Pairing and Dielectric Decrement in Glycosaminoglycan Brushes. Journal of Physical Chemistry B, 2021, 125, 2771-2780.	2.6	8
10	Alterations at Arg ⁷⁶ of human connexin 46, a residue associated with cataract formation, cause loss of gap junction formation but preserve hemichannel function. American Journal of Physiology - Cell Physiology, 2018, 315, C623-C635.	4.6	5
11	Free energy and kinetics of cAMP permeation through connexin26 via applied voltage and milestoning. Biophysical Journal, 2021, 120, 2969-2983.	0.5	5
12	In silico prediction of ARB resistance: A first step in creating personalized ARB therapy. PLoS Computational Biology, 2020, 16, e1007719.	3.2	5
13	Investigating Protein's Protein Allosteric Network using Current-Flow Scheme. Journal of Computational Chemistry, 2020, 41, 552-560.	3.3	3
14	Concepts, Practices, and Interactive Tutorial for Allosteric Network Analysis of Molecular Dynamics Simulations. Methods in Molecular Biology, 2021, 2302, 311-334.	0.9	2
15	Modeling Angiotensin II-mediated activation of the Angiotensin II Type 1 Receptor. FASEB Journal, 2018, 32, 555-16.	0.5	0
16	A142V GRK4 ³ increased RH ³ kinase domain separation is dependent on interaction with the plasma membrane. FASEB Journal, 2018, 32, 687.4.	0.5	0
17	Structural determination of the mechanism of domain separation of G α -protein-coupled receptor kinase 4g. FASEB Journal, 2019, 33, 668.7.	0.5	0
18	In silico prediction of ARB resistance: A first step in creating personalized ARB therapy. , 2020, 16, e1007719.		0

#	ARTICLE	IF	CITATIONS
19	In silico prediction of ARB resistance: A first step in creating personalized ARB therapy. , 2020, 16, e1007719.		0
20	In silico prediction of ARB resistance: A first step in creating personalized ARB therapy. , 2020, 16, e1007719.		0
21	In silico prediction of ARB resistance: A first step in creating personalized ARB therapy. , 2020, 16, e1007719.		0