

# Wesley M Botello-Smith

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10062791/publications.pdf>

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	Ion Pairing and Dielectric Decrement in Glycosaminoglycan Brushes. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2771-2780.	2.6	8
2	Free energy and kinetics of cAMP permeation through connexin26 via applied voltage and milestoning. <i>Biophysical Journal</i> , 2021, 120, 2969-2983.	0.5	5
3	Concepts, Practices, and Interactive Tutorial for Allosteric Network Analysis of Molecular Dynamics Simulations. <i>Methods in Molecular Biology</i> , 2021, 2302, 311-334.	0.9	2
4	Crowding-induced opening of the mechanosensitive Piezo1 channel in silico. <i>Communications Biology</i> , 2021, 4, 84.	4.4	35
5	Investigating Protein-Protein Allosteric Network using Current-Flow Scheme. <i>Journal of Computational Chemistry</i> , 2020, 41, 552-560.	3.3	3
6	In silico prediction of ARB resistance: A first step in creating personalized ARB therapy. <i>PLoS Computational Biology</i> , 2020, 16, e1007719.	3.2	5
7	In silico prediction of ARB resistance: A first step in creating personalized ARB therapy. , 2020, 16, e1007719.		0
8	In silico prediction of ARB resistance: A first step in creating personalized ARB therapy. , 2020, 16, e1007719.		0
9	In silico prediction of ARB resistance: A first step in creating personalized ARB therapy. , 2020, 16, e1007719.		0
10	In silico prediction of ARB resistance: A first step in creating personalized ARB therapy. , 2020, 16, e1007719.		0
11	A mechanism for the activation of the mechanosensitive Piezo1 channel by the small molecule Yoda1. <i>Nature Communications</i> , 2019, 10, 4503.	12.8	136
12	Robust Determination of Protein Allosteric Signaling Pathways. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 2116-2126.	5.3	33
13	The connexin26 human mutation N14K disrupts cytosolic intersubunit interactions and promotes channel opening. <i>Journal of General Physiology</i> , 2019, 151, 328-341.	1.9	16
14	Structural determination of the mechanism of domain separation of G-protein-coupled receptor kinase 4g. <i>FASEB Journal</i> , 2019, 33, 668.7.	0.5	0
15	Molecular Mechanism of Resveratrol's Lipid Membrane Protection. <i>Scientific Reports</i> , 2018, 8, 1587.	3.3	37
16	Probing the gating mechanism of the mechanosensitive channel Piezo1 with the small molecule Yoda1. <i>Nature Communications</i> , 2018, 9, 2029.	12.8	104
17	Alterations at Arg <sup>76</sup> of human connexin 46, a residue associated with cataract formation, cause loss of gap junction formation but preserve hemichannel function. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 315, C623-C635.	4.6	5
18	Modeling Angiotensin II-mediated activation of the Angiotensin II Type 1 Receptor. <i>FASEB Journal</i> , 2018, 32, 555.16.	0.5	0

#	ARTICLE	IF	CITATIONS
19	A142V GRK4 <sup>Δ3</sup> increased RH <sup>Δ</sup> kinase domain separation is dependent on interaction with the plasma membrane. FASEB Journal, 2018, 32, 687.4.	0.5	0
20	Can Relative Binding Free Energy Predict Selectivity of Reversible Covalent Inhibitors?. Journal of the American Chemical Society, 2017, 139, 17945-17952.	13.7	44
21	Polymodal allosteric regulation of Type 1 Serine/Threonine Kinase Receptors via a conserved electrostatic lock. PLoS Computational Biology, 2017, 13, e1005711.	3.2	16