Po-Chao Wen

List of Publications by Year
in descending order

27	1,760	471509 17	552781 26
papers	citations	h-index	g-index

32	32	32	2532
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mitochondrial VDAC1: A Key Gatekeeper as Potential Therapeutic Target. Frontiers in Physiology, 2017, 8, 460.	2.8	238
2	Molecular dynamics simulations of membrane channels and transporters. Current Opinion in Structural Biology, 2009, 19, 128-137.	5.7	201
3	Serotonin transporterâ€“ibogaine complexes illuminate mechanisms of inhibition and transport. Nature, 2019, 569, 141-145.	27.8	187
4	Structural and functional diversity calls for a new classification of ABC transporters. FEBS Letters, 2020, 594, 3767-3775.	2.8	169
5	On the Origin of Large Flexibility of P-glycoprotein in the Inward-facing State. Journal of Biological Chemistry, 2013, 288, 19211-19220.	3.4	120
6	Conformational dynamics of the nucleotide binding domains and the power stroke of a heterodimeric ABC transporter. ELife, 2014, 3, e02740.	6.0	114
7	Detection of focal adhesion kinase activation at membrane microdomains by fluorescence resonance energy transfer. Nature Communications, 2011, 2, 406.	12.8	107
8	Transient formation of water-conducting states in membrane transporters. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7696-7701.	7.1	89
9	Dimer Opening of the Nucleotide Binding Domains of ABC Transporters after ATP Hydrolysis. Biophysical Journal, 2008, 95, 5100-5110.	0.5	74
10	SM proteins Sly1 and Vps33 co-assemble with Sec17 and SNARE complexes to oppose SNARE disassembly by Sec18. ELife, 2014, 3, e02272.	6.0	69
11	Conformational Coupling of the Nucleotide-Binding and the Transmembrane Domains in ABC Transporters. Biophysical Journal, 2011, 101, 680-690.	0.5	50
12	Computational characterization of structural dynamics underlying function in active membrane transporters. Current Opinion in Structural Biology, 2015, 31, 96-105.	5.7	49
13	Visualizing Functional Motions of Membrane Transporters with Molecular Dynamics Simulations. Biochemistry, 2013, 52, 569-587.	2.5	46
14	Structural Insights into the Lipid A Transport Pathway in MsbA. Structure, 2019, 27, 1114-1123.e3.	3.3	41
15	The cellular membrane as a mediator for small molecule interaction with membrane proteins. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2290-2304.	2.6	37
16	Microscopic view of lipids and their diverse biological functions. Current Opinion in Structural Biology, 2018, 51, 177-186.	5.7	26
17	Probing key elements of teixobactinâ€“lipid II interactions in membranes. Chemical Science, 2018, 9, 6997-7008.	7.4	21
18	Computational Dissection of Membrane Transport at a Microscopic Level. Trends in Biochemical Sciences, 2020, 45, 202-216.	7.5	21

#	Article	IF	Citations
19	Structural basis of complex formation between mitochondrial anion channel VDAC1 and Hexokinase-II. Communications Biology, 2021, 4, 667.	4.4	20
20	Role of internal loop dynamics in antibiotic permeability of outer membrane porins. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	18
21	Conformational Dynamics at the Inner Gate of KcsA during Activation. Biochemistry, 2014, 53, 2557-2559.	2.5	16
22	Rationalizing the generation of broad spectrum antibiotics with the addition of a positive charge. Chemical Science, 2021, 12, 15028-15044.	7.4	16
23	Capturing Functional Motions of Membrane Channels and Transporters with Molecular Dynamics Simulation. Journal of Computational and Theoretical Nanoscience, 2010, 7, 2481-2500.	0.4	12
24	Microscopic Characterization of Membrane Transporter Function by In Silico Modeling and Simulation. Methods in Enzymology, 2016, 578, 373-428.	1.0	8
25	Simulation Studies of the Mechanism of Membrane Transporters. Methods in Molecular Biology, 2013, 924, 361-405.	0.9	7
26	Molecular Mechanisms of Active Transport Across the Cellular Membrane. RSC Biomolecular Sciences, 2010, , 248-286.	0.4	2
27	Membrane Transporters: Molecular Machines Coupling Cellular Energy to Vectorial Transport Across the Membrane. , 2011, , 151-181.		0