

Joanne L Parker

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,603
citations

394421

19
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

2328
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular basis of nitrate uptake by the plant nitrate transporter NRT1.1. <i>Nature</i> , 2014, 507, 68-72.	27.8	344
2	MemProtMD: Automated Insertion of Membrane Protein Structures into Explicit Lipid Membranes. <i>Structure</i> , 2015, 23, 1350-1361.	3.3	257
3	Structural basis for polyspecificity in the <scp>POT</scp> family of proton-coupled oligopeptide transporters. <i>EMBO Reports</i> , 2014, 15, 886-893.	4.5	118
4	Structural basis for pH-dependent retrieval of ER proteins from the Golgi by the KDEL receptor. <i>Science</i> , 2019, 363, 1103-1107.	12.6	110
5	Structural basis for amino acid transport by the CAT family of SLC7 transporters. <i>Nature Communications</i> , 2018, 9, 550.	12.8	97
6	Proton movement and coupling in the POT family of peptide transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13182-13187.	7.1	81
7	Current trends in Î±-helical membrane protein crystallization: An update. <i>Protein Science</i> , 2012, 21, 1358-1365.	7.6	66
8	Molecular basis for redox control by the human cystine/glutamate antiporter system xc ⁺ . <i>Nature Communications</i> , 2021, 12, 7147.	12.8	65
9	Structural basis of nucleotide sugar transport across the Golgi membrane. <i>Nature</i> , 2017, 551, 521-524.	27.8	62
10	Thermodynamic evidence for a dual transport mechanism in a POT peptide transporter. <i>ELife</i> , 2014, 3, .	6.0	53
11	Membrane Protein Crystallisation: Current Trends and Future Perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2016, 922, 61-72.	1.6	43
12	Kynurenine importation by SLC7A11 propagates anti-ferroptotic signaling. <i>Molecular Cell</i> , 2022, 82, 920-932.e7.	9.7	41
13	Crystal Structures of the Extracellular Domain from PepT1 and PepT2 Provide Novel Insights into Mammalian Peptide Transport. <i>Structure</i> , 2015, 23, 1889-1899.	3.3	40
14	Cryo-EM structure of PepT2 reveals structural basis for proton-coupled peptide and prodrug transport in mammals. <i>Science Advances</i> , 2021, 7, .	10.3	37
15	Structural basis of antifolate recognition and transport by PCFT. <i>Nature</i> , 2021, 595, 130-134.	27.8	36
16	Accurate Prediction of Ligand Affinities for a Proton-Dependent Oligopeptide Transporter. <i>Cell Chemical Biology</i> , 2016, 23, 299-309.	5.2	34
17	Gateway to the Golgi: molecular mechanisms of nucleotide sugar transporters. <i>Current Opinion in Structural Biology</i> , 2019, 57, 127-134.	5.7	27
18	Method to increase the yield of eukaryotic membrane protein expression in <scp><i>Saccharomyces cerevisiae</i></scp> for structural and functional studies. <i>Protein Science</i> , 2014, 23, 1309-1314.	7.6	25

#	ARTICLE	IF	CITATIONS
19	Cryo-EM structure and resistance landscape of M.Âtuberculosis MmpL3: An emergent therapeutic target. <i>Structure</i> , 2021, 29, 1182-1191.e4.	3.3	25
20	Structural basis for substrate specificity and regulation of nucleotide sugar transporters in the lipid bilayer. <i>Nature Communications</i> , 2019, 10, 4657.	12.8	23
21	A signal capture and proofreading mechanism for the KDEL-receptor explains selectivity and dynamic range in ER retrieval. <i>ELife</i> , 2021, 10, .	6.0	13
22	Phasing statistics for alpha helical membrane protein structures. <i>Protein Science</i> , 2013, 22, 1664-1668.	7.6	5