Jessica L Thomaston

List of Publications by Year
in descending order

14	523	933447	1281871
papers	citations	10 h-index	11 g-index

23	23	23	899
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Packing of apolar side chains enables accurate design of highly stable membrane proteins. Science, 2019, 363, 1418-1423.	12.6	94
2	High-resolution structures of the M2 channel from influenza A virus reveal dynamic pathways for proton stabilization and transduction. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14260-14265.	7.1	92
3	Inhibitors of the M2 Proton Channel Engage and Disrupt Transmembrane Networks of Hydrogen-Bonded Waters. Journal of the American Chemical Society, 2018, 140, 15219-15226.	13.7	87
4	XFEL structures of the influenza M2 proton channel: Room temperature water networks and insights into proton conduction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13357-13362.	7.1	64
5	High-density grids for efficient data collection from multiple crystals. Acta Crystallographica Section D: Structural Biology, 2016, 72, 2-11.	2.3	62
6	Crystal structure of the drugâ€resistant S31N influenza M2 proton channel. Protein Science, 2016, 25, 1551-1554.	7.6	38
7	X-ray Crystal Structures of the Influenza M2 Proton Channel Drug-Resistant V27A Mutant Bound to a Spiro-Adamantyl Amine Inhibitor Reveal the Mechanism of Adamantane Resistance. Biochemistry, 2020, 59, 627-634.	2.5	23
8	X-ray Crystal Structure of the Influenza A M2 Proton Channel S31N Mutant in Two Conformational States: An Open and Shut Case. Journal of the American Chemical Society, 2019, 141, 11481-11488.	13.7	22
9	Detection of drugâ€induced conformational change of a transmembrane protein in lipid bilayers using siteâ€directed spin labeling. Protein Science, 2013, 22, 65-73.	7.6	19
10	Câ€terminal juxtamembrane region of fullâ€length M2 protein forms a membrane surface associated amphipathic helix. Protein Science, 2015, 24, 426-429.	7.6	11
11	Rimantadine Binds to and Inhibits the Influenza A M2 Proton Channel without Enantiomeric Specificity. Biochemistry, 2021, 60, 2471-2482.	2.5	10
12	Site-Directed Spin-Label EPR Studies Report on Drug-Induced Conformational Change of Influenza a M2 Protein. Biophysical Journal, 2010, 98, 48a.	0.5	0
13	X-Ray Crystal Structures of the Influenza a M2 Proton Channel Bound to Amantadine, Rimantadine, and Inhibiting Compounds. Biophysical Journal, 2018, 114, 204a.	0.5	0
14	Proton Stabilization and Conduction Pathway in the Matrix Protein M2. Biophysical Journal, 2018, 114, 240a-241a.	0.5	0