

Jessica L Thomaston

List of Publications by Year in descending order

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933447

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899
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#	ARTICLE	IF	CITATIONS
1	Rimantadine Binds to and Inhibits the Influenza A M2 Proton Channel without Enantiomeric Specificity. <i>Biochemistry</i> , 2021, 60, 2471-2482.	2.5	10
2	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. <i>Biochemistry</i> , 2020, 59, 627-634.	2.5	23
3	X-ray Crystal Structure of the Influenza A M2 Proton Channel S31N Mutant in Two Conformational States: An Open and Shut Case. <i>Journal of the American Chemical Society</i> , 2019, 141, 11481-11488.	13.7	22
4	Packing of apolar side chains enables accurate design of highly stable membrane proteins. <i>Science</i> , 2019, 363, 1418-1423.	12.6	94
5	X-Ray Crystal Structures of the Influenza a M2 Proton Channel Bound to Amantadine, Rimantadine, and Inhibiting Compounds. <i>Biophysical Journal</i> , 2018, 114, 204a.	0.5	0
6	Proton Stabilization and Conduction Pathway in the Matrix Protein M2. <i>Biophysical Journal</i> , 2018, 114, 240a-241a.	0.5	0
7	Inhibitors of the M2 Proton Channel Engage and Disrupt Transmembrane Networks of Hydrogen-Bonded Waters. <i>Journal of the American Chemical Society</i> , 2018, 140, 15219-15226.	13.7	87
8	XFEL structures of the influenza M2 proton channel: Room temperature water networks and insights into proton conduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13357-13362.	7.1	64
9	Crystal structure of the drug-resistant S31N influenza M2 proton channel. <i>Protein Science</i> , 2016, 25, 1551-1554.	7.6	38
10	High-density grids for efficient data collection from multiple crystals. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 2-11.	2.3	62
11	High-resolution structures of the M2 channel from influenza A virus reveal dynamic pathways for proton stabilization and transduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14260-14265.	7.1	92
12	C-terminal juxtamembrane region of full-length M2 protein forms a membrane surface associated amphipathic helix. <i>Protein Science</i> , 2015, 24, 426-429.	7.6	11
13	Detection of drug-induced conformational change of a transmembrane protein in lipid bilayers using site-directed spin labeling. <i>Protein Science</i> , 2013, 22, 65-73.	7.6	19
14	Site-Directed Spin-Label EPR Studies Report on Drug-Induced Conformational Change of Influenza a M2 Protein. <i>Biophysical Journal</i> , 2010, 98, 48a.	0.5	0