

Vered Wineman-Fisher

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Orientations of Residues along the $\hat{\Gamma}^2$ -Arch of Self-Assembled Amylin Fibril-Like Structures Lead to Polymorphism. <i>Biomacromolecules</i> , 2015, 16, 156-165.	5.4	46
2	Effect of Zn ²⁺ ions on the assembly of amylin oligomers: insight into the molecular mechanisms. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21590-21599.	2.8	22
3	Insight into a New Binding Site of Zinc Ions in Fibrillar Amylin. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2078-2087.	3.5	16
4	A cost-effective water-in-salt electrolyte enables highly stable operation of a 2.15-V aqueous lithium-ion battery. <i>Cell Reports Physical Science</i> , 2022, 3, 100688.	5.6	16
5	The removal of disulfide bonds in amylin oligomers leads to the conformational change of the $\hat{\Gamma}^2$ -native amylin oligomers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12438-12442.	2.8	14
6	Ion-Hydroxyl Interactions: From High-Level Quantum Benchmarks to Transferable Polarizable Force Fields. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 2444-2453.	5.3	13
7	Transferable interactions of Li ⁺ and Mg ²⁺ ions in polarizable models. <i>Journal of Chemical Physics</i> , 2020, 153, 104113.	3.0	11
8	Improved description of ligand polarization enhances transferability of ion-ligand interactions. <i>Journal of Chemical Physics</i> , 2020, 153, 094115.	3.0	11
9	Predictive QM/MM Modeling of Modulations in Protein-Protein Binding by Lysine Methylation. <i>Journal of Molecular Biology</i> , 2021, 433, 166745.	4.2	9
10	Structural Insights into the Polymorphism of Self-Assembled Amylin Oligomers. <i>Israel Journal of Chemistry</i> , 2016, 56, 590-598.	2.3	5
11	Methylation-Induced Polarization Destabilizes the Noncovalent Interactions of N-Methylated Lysines. <i>Chemistry - A European Journal</i> , 2021, 27, 11005-11014.	3.3	5
12	High-Dimensional Parameter Search Method to Determine Force Field Mixing Terms in Molecular Simulations. <i>Langmuir</i> , 2022, 38, 2840-2851.	3.5	5
13	Unique Inversion Events of Residues around the Backbone in the Turn Domain of $\hat{\Gamma}^2$ -Arches in Amylin Fibrils. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1209-1213.	3.5	2
14	Mutagenic induction of an ultra-fast water-chain proton wire. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23089-23095.	2.8	1
15	Hydroxylation of Type I Collagen: Effects on Fibrillar Structure and Mechanics. <i>Biophysical Journal</i> , 2019, 116, 457a-458a.	0.5	0
16	AMOEBA-Ions: improved description of high field polarization for interactions of proteins with monovalent cations. <i>Biophysical Journal</i> , 2022, 121, 50a.	0.5	0