

# Sarah Alamdari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4557160/publications.pdf>

Version: 2024-02-01

12  
papers

196  
citations

1163117

8  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ice-nucleating proteins are activated by low temperatures to control the structure of interfacial water. <i>Nature Communications</i> , 2021, 12, 1183.	12.8	40
2	Orientation and Conformation of Proteins at the Air-Water Interface Determined from Integrative Molecular Dynamics Simulations and Sum Frequency Generation Spectroscopy. <i>Langmuir</i> , 2020, 36, 11855-11865.	3.5	30
3	MARTINI-Compatible Coarse-Grained Model for the Mesoscale Simulation of Peptoids. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7745-7764.	2.6	28
4	Sequence-Structure-Binding Relationships Reveal Adhesion Behavior of the Car9 Solid-Binding Peptide: An Integrated Experimental and Simulation Study. <i>Journal of the American Chemical Society</i> , 2020, 142, 2355-2363.	13.7	21
5	Hierarchical Self-Assembly Pathways of Peptoid Helices and Sheets. <i>Biomacromolecules</i> , 2022, 23, 992-1008.	5.4	19
6	Ice-binding site of surface-bound type III antifreeze protein partially decoupled from water. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26926-26933.	2.8	17
7	Enhanced Activity and Stability of <i>Acidothermus cellulolyticus</i> Endoglucanase 1 in Ionic Liquids via Engineering Active Site Residues and Non-Native Disulfide Bridges. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11299-11307.	6.7	12
8	Closing the Gap Between Modeling and Experiments in the Self-Assembly of Biomolecules at Interfaces and in Solution. <i>Chemistry of Materials</i> , 2020, 32, 8043-8059.	6.7	10
9	Impact of glutamate carboxylation in the adsorption of the Î±-1 domain of osteocalcin to hydroxyapatite and titania. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 620-631.	3.4	8
10	DiffCapAnalyzer: A Python Package for Quantitative Analysis of Total Differential Capacity Data. <i>Journal of Open Source Software</i> , 2020, 5, 2624.	4.6	8
11	Substitution of distal and active site residues reduces product inhibition of E1 from <i>Acidothermus Cellulolyticus</i> . <i>Protein Engineering, Design and Selection</i> , 2021, 34, .	2.1	2
12	Peptide Mimic of the Marine Sponge Protein Silicatein Fabricates Ultrathin Nanosheets of Silicon Dioxide and Titanium Dioxide. <i>Langmuir</i> , 0, , .	3.5	1