

Carolyn E Mills

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

560
citations

759233

12
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

889
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Microwave Preparation of Thermoelectric TiNiSn and TiCoSb Half-Heusler Compounds. <i>Chemistry of Materials</i> , 2012, 24, 2558-2565.	6.7	126
2	Complex coacervation of supercharged proteins with polyelectrolytes. <i>Soft Matter</i> , 2016, 12, 3570-3581.	2.7	110
3	Molecular Insights into Diphenylalanine Nanotube Assembly: All-Atom Simulations of Oligomerization. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3935-3943.	2.6	70
4	Apparent size and morphology of bacterial microcompartments varies with technique. <i>PLoS ONE</i> , 2020, 15, e0226395.	2.5	27
5	Complex Coacervate Core Micelles for the Dispersion and Stabilization of Organophosphate Hydrolase in Organic Solvents. <i>Langmuir</i> , 2016, 32, 13367-13376.	3.5	26
6	Silicon-Based Thermoelectrics Made from a Boron-Doped Silicon Dioxide Nanocomposite. <i>Chemistry of Materials</i> , 2013, 25, 4867-4873.	6.7	24
7	Effect of ELP Sequence and Fusion Protein Design on Concentrated Solution Self-Assembly. <i>Biomacromolecules</i> , 2016, 17, 928-934.	5.4	24
8	Conosolvency of Elastin-like Polypeptides in Water/Alcohol Solutions. <i>Biomacromolecules</i> , 2019, 20, 2167-2173.	5.4	24
9	Bacterial microcompartments: tiny organelles with big potential. <i>Current Opinion in Microbiology</i> , 2021, 63, 36-42.	5.1	24
10	Elastin-like Polypeptide (ELP) Charge Influences Self-Assembly of ELP-mCherry Fusion Proteins. <i>Biomacromolecules</i> , 2018, 19, 2517-2525.	5.4	21
11	Computational and Experimental Approaches to Controlling Bacterial Microcompartment Assembly. <i>ACS Central Science</i> , 2021, 7, 658-670.	11.3	21
12	Protein Purification by Ethanol-Induced Phase Transitions of the Elastin-like Polypeptide (ELP). <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 11698-11709.	3.7	14
13	Functional enzyme-polymer complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119509119.	7.1	13
14	Hydrogels That Actuate Selectively in Response to Organophosphates. <i>Advanced Functional Materials</i> , 2017, 27, 1602784.	14.9	9
15	High-Throughput Screening Test for Adhesion in Soft Materials Using Centrifugation. <i>ACS Central Science</i> , 2021, 7, 1135-1143.	11.3	7
16	Linking the Salmonella enterica 1,2-Propanediol Utilization Bacterial Microcompartment Shell to the Enzymatic Core via the Shell Protein PduB. <i>Journal of Bacteriology</i> , 2022, 204, e0057621.	2.2	7
17	Vertex protein PduN tunes encapsulated pathway performance by dictating bacterial metabolosome morphology. <i>Nature Communications</i> , 2022, 13, .	12.8	7
18	Density-based binning of gene clusters to infer function or evolutionary history using GeneGrouper. <i>Bioinformatics</i> , 2022, 38, 612-620.	4.1	4