

Raymond S Tu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

723
citations

623734

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713466

21
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22
all docs

22
docs citations

22
times ranked

945
citing authors

#	ARTICLE	IF	CITATIONS
1	Bottom-up design of biomimetic assemblies. <i>Advanced Drug Delivery Reviews</i> , 2004, 56, 1537-1563.	13.7	198
2	Collapse of Particle-Laden Interfaces under Compression: Buckling vs Particle Expulsion. <i>Langmuir</i> , 2015, 31, 7764-7775.	3.5	90
3	Mechanical Stability of Polystyrene and Janus Particle Monolayers at the Air/Water Interface. <i>Journal of the American Chemical Society</i> , 2015, 137, 15370-15373.	13.7	50
4	Thermoresponsive Protein-Engineered Coiled-Coil Hydrogel for Sustained Small Molecule Release. <i>Biomacromolecules</i> , 2019, 20, 3340-3351.	5.4	45
5	Microrheological detection of protein unfolding. <i>Physical Review E</i> , 2005, 72, 041914.	2.1	42
6	Artificial Protein Block Polymer Libraries Bearing Two SADs: Effects of Elastin Domain Repeats. <i>Biomacromolecules</i> , 2011, 12, 4240-4246.	5.4	34
7	Supramolecular assembly and small molecule recognition by genetically engineered protein block polymers composed of two SADs. <i>Molecular BioSystems</i> , 2010, 6, 1662.	2.9	33
8	Impact of Surface Amphiphilicity on the Interfacial Behavior of Janus Particle Layers under Compression. <i>Langmuir</i> , 2019, 35, 15813-15824.	3.5	33
9	Armoring the Interface with Surfactants to Prevent the Adsorption of Monoclonal Antibodies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9977-9988.	8.0	32
10	Modulating Supramolecular Assemblies and Mechanical Properties of Engineered Protein Materials by Fluorinated Amino Acids. <i>Biomacromolecules</i> , 2012, 13, 2273-2278.	5.4	28
11	Cooperative DNA binding and assembly by a bZip peptide-amphiphile. <i>Soft Matter</i> , 2010, 6, 1035.	2.7	26
12	Protein Engineered Triblock Polymers Composed of Two SADs: Enhanced Mechanical Properties and Binding Abilities. <i>Biomacromolecules</i> , 2018, 19, 1552-1561.	5.4	26
13	No ordinary proteins: Adsorption and molecular orientation of monoclonal antibodies. <i>Science Advances</i> , 2021, 7, .	10.3	20
14	Design Strategies to Tune the Structural and Mechanical Properties of Synthetic Collagen Hydrogels. <i>Biomacromolecules</i> , 2021, 22, 3440-3450.	5.4	16
15	Dynamic Surface Activity by Folding and Unfolding an Amphiphilic α -Helix. <i>Langmuir</i> , 2008, 24, 9923-9928.	3.5	14
16	Coupled Folding and Specific Binding: Fishing for Amphiphilicity. <i>International Journal of Molecular Sciences</i> , 2011, 12, 1431-1450.	4.1	11
17	Evolution of mechanics in α -helical peptide conjugated linear- and star-block PEG. <i>Soft Matter</i> , 2017, 13, 7521-7528.	2.7	9
18	Modeling the dynamic folding and surface-activity of a helical peptide adsorbing to a pendant bubble interface. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 364-370.	9.4	7

#	ARTICLE	IF	CITATIONS
19	Effect of Orientation and Wetting Properties on the Behavior of Janus Particles at the Air/Water Interface. ACS Applied Materials & Interfaces, 2020, 12, 5128-5135.	8.0	6
20	Reverse Hofmeister effects on the sol/gel transition rates for an α -helical peptide-PEG bioconjugate. Physical Chemistry Chemical Physics, 2018, 20, 20287-20295.	2.8	2
21	Tuning water-responsiveness with Bombyx mori silk/silica nanoparticle composites. Soft Matter, 2021, 17, 7817-7821.	2.7	1
22	Circular Dichroistic Impacts of 1-(3-Dimethylaminopropyl)-3-ethylurea: Secondary Structure Artifacts Arising from Bioconjugation Using 1-Ethyl-3-[3-dimethylaminopropyl]carbodiimide. ACS Omega, 2017, 2, 8308-8312.	3.5	0