Raymond S Tu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5359589/publications.pdf

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22	723	623734 14	713466 21
papers	citations	h-index	g-index

22	22	22	945
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tuning water-responsiveness with Bombyx mori silkâ€“silica nanoparticle composites. Soft Matter, 2021, 17, 7817-7821.	2.7	1
2	Design Strategies to Tune the Structural and Mechanical Properties of Synthetic Collagen Hydrogels. Biomacromolecules, 2021, 22, 3440-3450.	5.4	16
3	No ordinary proteins: Adsorption and molecular orientation of monoclonal antibodies. Science Advances, 2021, 7, .	10.3	20
4	Effect of Orientation and Wetting Properties on the Behavior of Janus Particles at the Airâ€“Water Interface. ACS Applied Materials & Interfaces, 2020, 12, 5128-5135.	8.0	6
5	Armoring the Interface with Surfactants to Prevent the Adsorption of Monoclonal Antibodies. ACS Applied Materials & Interfaces, 2020, 12, 9977-9988.	8.0	32
6	Thermoresponsive Protein-Engineered Coiled-Coil Hydrogel for Sustained Small Molecule Release. Biomacromolecules, 2019, 20, 3340-3351.	5.4	45
7	Impact of Surface Amphiphilicity on the Interfacial Behavior of Janus Particle Layers under Compression. Langmuir, 2019, 35, 15813-15824.	3.5	33
8	Protein Engineered Triblock Polymers Composed of Two SADs: Enhanced Mechanical Properties and Binding Abilities. Biomacromolecules, 2018, 19, 1552-1561.	5.4	26
9	â€˜Reverseâ€™ Hofmeister effects on the solâ€“gel transition rates for an Î±-helical peptideâ€“PEG bioconjugate. Physical Chemistry Chemical Physics, 2018, 20, 20287-20295.	2.8	2
10	Evolution of mechanics in Î±-helical peptide conjugated linear- and star-block PEG. Soft Matter, 2017, 13, 7521-7528.	2.7	9
11	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
12	Collapse of Particle-Laden Interfaces under Compression: Buckling vs Particle Expulsion. Langmuir, 2015, 31, 7764-7775.	3.5	90
13	Mechanical Stability of Polystyrene and Janus Particle Monolayers at the Air/Water Interface. Journal of the American Chemical Society, 2015, 137, 15370-15373.	13.7	50
14	Modulating Supramolecular Assemblies and Mechanical Properties of Engineered Protein Materials by Fluorinated Amino Acids. Biomacromolecules, 2012, 13, 2273-2278.	5.4	28
15	Artificial Protein Block Polymer Libraries Bearing Two SADs: Effects of Elastin Domain Repeats. Biomacromolecules, 2011, 12, 4240-4246.	5.4	34
16	Coupled Folding and Specific Binding: Fishing for Amphiphilicity. International Journal of Molecular Sciences, 2011, 12, 1431-1450.	4.1	11
17	Cooperative DNA binding and assembly by a bZip peptide-amphiphile. Soft Matter, 2010, 6, 1035.	2.7	26
18	Supramolecular assembly and small molecule recognition by genetically engineered protein block polymers composed of two SADs. Molecular BioSystems, 2010, 6, 1662.	2.9	33

#	Article	IF	Citations
19	Modeling the dynamic folding and surface-activity of a helical peptide adsorbing to a pendant bubble interface. Journal of Colloid and Interface Science, 2009, 331, 364-370.	9.4	7
20	Dynamic Surface Activity by Folding and Unfolding an Amphiphilic Î±-Helix. Langmuir, 2008, 24, 9923-9928.	3.5	14
21	Microrheological detection of protein unfolding. Physical Review E, 2005, 72, 041914.	2.1	42
22	Bottom-up design of biomimetic assemblies. Advanced Drug Delivery Reviews, 2004, 56, 1537-1563.	13.7	198