

Sahnawaz Ahmed

List of Publications by Year in descending order

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papers

661
citations

516710

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#	ARTICLE	IF	CITATIONS
1	Chemically Fueled Dissipative Self-Assembly that Exploits Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 244-247.	13.8	138
2	Self-Assembly of Peptide-Amphiphile Forming Helical Nanofibers and in Situ Template Synthesis of Uniform Mesoporous Single Wall Silica Nanotubes. <i>Langmuir</i> , 2013, 29, 14274-14283.	3.5	48
3	Reversible deformation-formation of a multistimuli responsive vesicle by a supramolecular peptide amphiphile. <i>Soft Matter</i> , 2015, 11, 4912-4920.	2.7	46
4	Chemically Fueled Dissipative Self-Assembly that Exploits Cooperative Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 250-253.	2.0	45
5	Cross- β amyloid nanotubes for hydrolase-peroxidase cascade reactions. <i>Chemical Communications</i> , 2020, 56, 7869-7872.	4.1	44
6	Hydrogelation of a Naphthalene Diimide Appended Peptide Amphiphile and Its Application in Cell Imaging and Intracellular pH Sensing. <i>Biomacromolecules</i> , 2017, 18, 3630-3641.	5.4	42
7	Solvent Assisted Tuning of Morphology of a Peptide-Perylenediimide Conjugate: Helical Fibers to Nano-Rings and their Differential Semiconductivity. <i>Scientific Reports</i> , 2017, 7, 9485.	3.3	38
8	Unusual confinement properties of a water insoluble small peptide hydrogel. <i>Chemical Science</i> , 2019, 10, 5920-5928.	7.4	38
9	Unorthodox Combination of Cation- π and Charge-Transfer Interactions within a Donor-Acceptor Pair. <i>Langmuir</i> , 2019, 35, 478-488.	3.5	31
10	Physicochemical Analysis of Mixed Micelles of a Viologen Surfactant: Extended to Water-in-Oil (w/o) Microemulsion and Cucurbit[8]uril-Assisted Vesicle Formation. <i>Langmuir</i> , 2014, 30, 8290-8299.	3.5	28
11	Dual Self-Sorting by Cucurbit[8]uril To Transform a Mixed Micelle to Vesicle. <i>Langmuir</i> , 2014, 30, 11528-11534.	3.5	28
12	Fatty acid based transient nanostructures for temporal regulation of artificial peroxidase activity. <i>Chemical Science</i> , 2019, 10, 7574-7578.	7.4	27
13	Redox controlled reversible transformation of a supramolecular alternating copolymer to a radical cation containing homo-polymer. <i>Polymer Chemistry</i> , 2016, 7, 4393-4401.	3.9	24
14	A Viologen-Perylenediimide Conjugate as an Efficient Base Sensor with Solvatochromic Property. <i>ChemPhysChem</i> , 2017, 18, 245-252.	2.1	20
15	Solvent Directed Morphogenesis and Electrical Properties of a Peptide-Perylenediimide Conjugate. <i>Langmuir</i> , 2018, 34, 8355-8364.	3.5	18
16	Multiple Cross-Linking of a Small Peptide to Form a Size Tunable Biopolymer with Efficient Cell Adhesion and Proliferation Property. <i>Biomacromolecules</i> , 2018, 19, 3994-4002.	5.4	16
17	Supramolecular fibrillation of peptide amphiphiles induces environmental responses in aqueous droplets. <i>Nature Communications</i> , 2021, 12, 6421.	12.8	15
18	Self-Assembly Assisted Tandem Sensing of Pd ²⁺ and CN ⁻ by a Perylenediimide-Peptide Conjugate. <i>ChemistrySelect</i> , 2017, 2, 10061-10066.	1.5	10

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19	A DNA-NDI Hybrid to Efficiently Detect Histone in Parts per Trillion (ppt) Level. ChemistrySelect, 2017, 2, 8911-8916.	1.5	5