Bimalendu Adhikari

List of Publications by Year
in descending order

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39 papers	2,762 citations	257429 24 h-index	302107 39 g-index
43 all docs	43 docs citations	43 times ranked	3929 citing authors

#	Article	IF	Citations
1	Facile Synthesis of Water-Soluble Fluorescent Silver Nanoclusters and Hg^{II} Sensing. Chemistry of Materials, 2010, 22, 4364-4371.	6.7	352
2	Self-assembling tripeptide based hydrogels and their use in removal of dyes from waste-water. Soft Matter, 2009, 5, 3452.	2.7	240
3	Shortâ€Peptideâ€Based Hydrogel: A Template for the In Situ Synthesis of Fluorescent Silver Nanoclusters by Using Sunlight. Chemistry - A European Journal, 2010, 16, 13698-13705.	3.3	171
4	Graphene Oxide-Based Hydrogels to Make Metal Nanoparticle-Containing Reduced Graphene Oxide-Based Functional Hybrid Hydrogels. ACS Applied Materials & Interfaces, 2012, 4, 5472-5482.	8.0	171
5	Short peptide based hydrogels: incorporation of graphene into the hydrogel. Soft Matter, 2011, 7, 9259.	2.7	151
6	Supramolecular Polymers Capable of Controlling Their Topology. Accounts of Chemical Research, 2019, 52, 1325-1335.	15.6	141
7	Pyreneâ€Containing Peptideâ€Based Fluorescent Organogels: Inclusion of Graphene into the Organogel. Chemistry - A European Journal, 2011, 17, 11488-11496.	3.3	138
8	Multicomponent hydrogels from enantiomeric amino acid derivatives: helical nanofibers, handedness and self-sorting. Soft Matter, 2011, 7, 8913.	2.7	133
9	A Gelâ€Based Trihybrid System Containing Nanofibers, Nanosheets, and Nanoparticles: Modulation of the Rheological Property and Catalysis. Angewandte Chemie - International Edition, 2013, 52, 5041-5045.	13.8	129
10	Electron transfer in peptides. Chemical Society Reviews, 2015, 44, 1015-1027.	38.1	110
11	Light-induced unfolding and refolding of supramolecular polymer nanofibres. Nature Communications, 2017, 8, 15254.	12.8	105
12	Graphene Oxide-Based Supramolecular Hydrogels for Making Nanohybrid Systems with Au Nanoparticles. Langmuir, 2012, 28, 1460-1469.	3.5	80
13	Hydrogen-bonded rosettes comprising Ï€-conjugated systems as building blocks for functional one-dimensional assemblies. Chemical Communications, 2017, 53, 9663-9683.	4.1	80
14	Sensitive electrochemical detection of Salmonella with chitosanâ€“gold nanoparticles composite film. Talanta, 2015, 140, 122-127.	5.5	77
15	Self-assembly of guanosine and deoxy-guanosine into hydrogels: monovalent cation guided modulation of gelation, morphology and self-healing properties. Journal of Materials Chemistry B, 2014, 2, 4802-4810.	5.8	74
16	Redox-triggered changes in the self-assembly of a ferroceneâ€“peptide conjugate. Chemical Communications, 2014, 50, 5551-5553.	4.1	67
17	Formation of Hybrid Hydrogels Consisting of Tripeptide and Different Silver Nanoparticle-Capped Ligands: Modulation of the Mechanical Strength of Gel Phase Materials. Journal of Physical Chemistry B, 2012, 116, 12235-12244.	2.6	50
18	Development of photocatalysts for selective and efficient organic transformations. Journal of Photochemistry and Photobiology B: Biology, 2015, 148, 209-222.	3.8	45

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19	Photoresponsive Circular Supramolecular Polymers: A Topological Trap and Photoinduced Ringâ€Opening Elongation. Angewandte Chemie - International Edition, 2019, 58, 3764-3768.	13.8	41
20	Amino Acid Chirality and Ferrocene Conformation Guided Selfâ€Assembly and Gelation of Ferroceneâ€“Peptide Conjugates. Chemistry - A European Journal, 2015, 21, 11560-11572.	3.3	40
21	Ferroceneâ€“Tryptophan Conjugate: An Example of a Redox-Controlled Reversible Supramolecular Nanofiber Network. Organometallics, 2013, 32, 5899-5905.	2.3	35
22	Water-induced self-assembly of an amphiphilic perylene bisimide dyad into vesicles, fibers, coils, and rings. Materials Chemistry Frontiers, 2018, 2, 171-179.	5.9	34
23	Photoresponsive Circular Supramolecular Polymers: A Topological Trap and Photoinduced Ringâ€Opening Elongation. Angewandte Chemie, 2019, 131, 3804-3808.	2.0	27
24	Supramolecular Polymerization of Supermacrocycles: Effect of Molecular Conformations on Kinetics and Morphology. Chemistry - A European Journal, 2017, 23, 5270-5280.	3.3	21
25	Bis-amino Acid Derivatives of 1,1â€²-Ferrocenedicarboxylic Acid: Structural, Electrochemical, and Metal Ion Binding Studies. Organometallics, 2014, 33, 4873-4887.	2.3	20
26	Helically Chiral Peptides That Contain Ferroceneâ€1,1â€²â€diamine Scaffolds as a Turn Inducer. Chemistry - A European Journal, 2017, 23, 10372-10395.	3.3	19
27	pH-dependent redox mechanism and evaluation of kinetic and thermodynamic parameters of a novel anthraquinone. RSC Advances, 2014, 4, 31657-31665.	3.6	16
28	Catalytic properties of grapheneâ€“metal nanoparticle hybrid prepared using an aromatic amino acid as the reducing agent. Materials Chemistry and Physics, 2013, 139, 450-458.	4.0	14
29	Synthesis, Spectroscopic Characterization and pH Dependent Electrochemical Fate of Two Non-Ionic Surfactants. Journal of the Electrochemical Society, 2014, 161, H885-H890.	2.9	12
30	Phototriggered Supramolecular Polymerization of Barbituric Acid Rosette. Chemistry Letters, 2017, 46, 111-114.	1.3	12
31	Photoresponsive supramolecular copolymers from diarylethene–perylene bisimide hydrogen bonded complexes. Polymer, 2017, 128, 356-362.	3.8	10
32	Detailed Electrochemistry of the Environmental Toxin Ethylene Diamine. Journal of the Electrochemical Society, 2014, 161, H370-H374.	2.9	8
33	Oxalamide-Bridged Ferrocenes: Conformational and Gelation Properties and In Vitro Antitumor Activity. Organometallics, 2022, 41, 920-936.	2.3	7
34	COVIDâ€19 into Chemical Science Perspective: Chemical Preventive Measures and Drug Development. ChemistrySelect, 2021, 6, 2010-2028.	1.5	6
35	Biological activity, pH dependent redox behavior and UV–Vis spectroscopic studies of naphthalene derivatives. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 173-181.	3.8	5
36	Synthesis, spectroscopic characterization, pH dependent redox mechanism and DNA binding behavior of chlorohydroxyaniline derivatives. RSC Advances, 2014, 4, 22299-22307.	3.6	5

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37	Supramolecular polymerization of hydrogen-bonded rosettes with anthracene chromophores: regioisomeric effect on nanostructures. Polymer Journal, 2017, 49, 189-195.	2.7	3
38	Self-assembly of N-, C- and N-/C-terminated Val-and Phe-amino acid side chains of naphthalene. Journal of Molecular Structure, 2022, 1263, 133116.	3.6	2
39	Kinetic Control Over the Topology of Curved Supramolecular Polymers. , 2019, , 231-248.		0