

Bimalendu Adhikari

List of Publications by Citations

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39
papers

2,283
citations

23
h-index

43
g-index

43
ext. papers

2,510
ext. citations

7.3
avg, IF

5.39
L-index

#	Paper	IF	Citations
39	Facile Synthesis of Water-Soluble Fluorescent Silver Nanoclusters and HgII Sensing. <i>Chemistry of Materials</i> , 2010 , 22, 4364-4371	9.6	318
38	Self-assembling tripeptide based hydrogels and their use in removal of dyes from waste-water. <i>Soft Matter</i> , 2009 , 5, 3452	3.6	226
37	Graphene oxide-based hydrogels to make metal nanoparticle-containing reduced graphene oxide-based functional hybrid hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5472-82	9.5	156
36	Short-peptide-based hydrogel: a template for the in situ synthesis of fluorescent silver nanoclusters by using sunlight. <i>Chemistry - A European Journal</i> , 2010 , 16, 13698-705	4.8	156
35	Short peptide based hydrogels: incorporation of graphene into the hydrogel. <i>Soft Matter</i> , 2011 , 7, 9259	3.6	136
34	Pyrene-containing peptide-based fluorescent organogels: inclusion of graphene into the organogel. <i>Chemistry - A European Journal</i> , 2011 , 17, 11488-96	4.8	129
33	A gel-based trihybrid system containing nanofibers, nanosheets, and nanoparticles: modulation of the rheological property and catalysis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5041-5	16.4	122
32	Multicomponent hydrogels from enantiomeric amino acid derivatives: helical nanofibers, handedness and self-sorting. <i>Soft Matter</i> , 2011 , 7, 8913	3.6	118
31	Light-induced unfolding and refolding of supramolecular polymer nanofibres. <i>Nature Communications</i> , 2017 , 8, 15254	17.4	87
30	Electron transfer in peptides. <i>Chemical Society Reviews</i> , 2015 , 44, 1015-27	58.5	85
29	Supramolecular Polymers Capable of Controlling Their Topology. <i>Accounts of Chemical Research</i> , 2019 , 52, 1325-1335	24.3	85
28	Graphene oxide-based supramolecular hydrogels for making nanohybrid systems with Au nanoparticles. <i>Langmuir</i> , 2012 , 28, 1460-9	4	73
27	Sensitive electrochemical detection of Salmonella with chitosan-gold nanoparticles composite film. <i>Talanta</i> , 2015 , 140, 122-127	6.2	64
26	Hydrogen-bonded rosettes comprising π -conjugated systems as building blocks for functional one-dimensional assemblies. <i>Chemical Communications</i> , 2017 , 53, 9663-9683	5.8	62
25	Self-assembly of guanosine and deoxy-guanosine into hydrogels: monovalent cation guided modulation of gelation, morphology and self-healing properties. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4802-4810	7.3	56
24	Redox-triggered changes in the self-assembly of a ferrocene-peptide conjugate. <i>Chemical Communications</i> , 2014 , 50, 5551-3	5.8	48
23	Formation of hybrid hydrogels consisting of tripeptide and different silver nanoparticle-capped ligands: modulation of the mechanical strength of gel phase materials. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 12235-44	3.4	47

22	Amino Acid Chirality and Ferrocene Conformation Guided Self-Assembly and Gelation of Ferrocene-Peptide Conjugates. <i>Chemistry - A European Journal</i> , 2015 , 21, 11560-72	4.8	33
21	Ferrocene-tryptophan Conjugate: An Example of a Redox-Controlled Reversible Supramolecular Nanofiber Network. <i>Organometallics</i> , 2013 , 32, 5899-5905	3.8	33
20	Development of photocatalysts for selective and efficient organic transformations. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 148, 209-222	6.7	32
19	A Gel-Based Trihybrid System Containing Nanofibers, Nanosheets, and Nanoparticles: Modulation of the Rheological Property and Catalysis. <i>Angewandte Chemie</i> , 2013 , 125, 5145-5149	3.6	32
18	Photoresponsive Circular Supramolecular Polymers: A Topological Trap and Photoinduced Ring-Opening Elongation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3764-3768	16.4	29
17	Water-induced self-assembly of an amphiphilic perylene bisimide dyad into vesicles, fibers, coils, and rings. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 171-179	7.8	24
16	Supramolecular Polymerization of Supermacrocycles: Effect of Molecular Conformations on Kinetics and Morphology. <i>Chemistry - A European Journal</i> , 2017 , 23, 5270-5280	4.8	16
15	Bis-amino Acid Derivatives of 1,1'-Ferrocenedicarboxylic Acid: Structural, Electrochemical, and Metal Ion Binding Studies. <i>Organometallics</i> , 2014 , 33, 4873-4887	3.8	16
14	pH-dependent redox mechanism and evaluation of kinetic and thermodynamic parameters of a novel anthraquinone. <i>RSC Advances</i> , 2014 , 4, 31657-31665	3.7	14
13	Catalytic properties of graphene-metal nanoparticle hybrid prepared using an aromatic amino acid as the reducing agent. <i>Materials Chemistry and Physics</i> , 2013 , 139, 450-458	4.4	14
12	Synthesis, Spectroscopic Characterization and pH Dependent Electrochemical Fate of Two Non-Ionic Surfactants. <i>Journal of the Electrochemical Society</i> , 2014 , 161, H885-H890	3.9	12
11	Helically Chiral Peptides That Contain Ferrocene-1,1'-diamine Scaffolds as a Turn Inducer. <i>Chemistry - A European Journal</i> , 2017 , 23, 10372-10395	4.8	11
10	Phototriggered Supramolecular Polymerization of Barbituric Acid Rosette. <i>Chemistry Letters</i> , 2017 , 46, 111-114	1.7	10
9	Photoresponsive Circular Supramolecular Polymers: A Topological Trap and Photoinduced Ring-Opening Elongation. <i>Angewandte Chemie</i> , 2019 , 131, 3804-3808	3.6	10
8	Detailed Electrochemistry of the Environmental Toxin Ethylene Diamine. <i>Journal of the Electrochemical Society</i> , 2014 , 161, H370-H374	3.9	8
7	Photoresponsive supramolecular copolymers from diarylethene-erylene bisimide hydrogen bonded complexes. <i>Polymer</i> , 2017 , 128, 356-362	3.9	6
6	Synthesis, spectroscopic characterization, pH dependent redox mechanism and DNA binding behavior of chlorohydroxyaniline derivatives. <i>RSC Advances</i> , 2014 , 4, 22299-22307	3.7	5
5	Supramolecular polymerization of hydrogen-bonded rosettes with anthracene chromophores: regioisomeric effect on nanostructures. <i>Polymer Journal</i> , 2017 , 49, 189-195	2.7	3

- 4 Biological activity, pH dependent redox behavior and UV-Vis spectroscopic studies of naphthalene derivatives. *Journal of Photochemistry and Photobiology B: Biology*, **2014**, 140, 173-81 6.7 3
- 3 COVID-19 into Chemical Science Perspective: Chemical Preventive Measures and Drug Development. *ChemistrySelect*, **2021**, 6, 2010-2028 1.8 3
- 2 Kinetic Control Over the Topology of Curved Supramolecular Polymers **2019**, 231-248
- 1 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 3.4