

Bappaditya Roy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

1,298
citations

23
h-index

35
g-index

45
ext. papers

1,416
ext. citations

5.2
avg, IF

4.87
L-index

#	Paper	IF	Citations
45	Molecular-Architectonics-Guided Dynamic Assembly to Generate Fluorescent Organic Nanoclusters with Implications for Optical Imaging. <i>ACS Applied Nano Materials</i> , 2021 , 4, 979-984	5.6	1
44	Intrinsic Role of Molecular Architectonics in Enhancing the Catalytic Activity of Lead in Glucose Hydrolysis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14057-14063	9.5	6
43	Molecular Architectonics-Guided Fabrication of Superhydrophobic and Self-Cleaning Materials. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000246	4.6	20
42	Molecular Architectonics of Cyclic Dipeptide Amphiphiles and Their Application in Drug Delivery.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 3413-3422	4.1	8
41	Amino Acids and Peptides as Functional Components in Arylenediimide-Based Molecular Architectonics. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 1883-1901	5.1	63
40	Bicomponent Sheet assembly of dipeptide fluorophores of opposite polarity and sensitive detection of nitro-explosives. <i>Chemical Communications</i> , 2018 , 54, 2280-2283	5.8	22
39	A Facile Supramolecular Approach towards Strategic Fluorescence Switching and Recognition-Controlled Photoreduction. <i>ChemPhotoChem</i> , 2018 , 2, 67-71	3.3	
38	Adaptive Self-Assembly Behavior Restrained by Supramolecular Crystallization and Molecular Recognition. <i>Chemistry - A European Journal</i> , 2017 , 23, 1937-1941	4.8	9
37	Cohelical Crossover Network by Supramolecular Polymerization of a 4,6-Acetalized β ,3-Glucan Macromer. <i>ACS Macro Letters</i> , 2017 , 6, 21-26	6.6	3
36	A Chiral Recognition System Orchestrated by Self-Assembly: Molecular Chirality, Self-Assembly Morphology, and Fluorescence Response. <i>Angewandte Chemie</i> , 2017 , 129, 12692-12696	3.6	3
35	A Chiral Recognition System Orchestrated by Self-Assembly: Molecular Chirality, Self-Assembly Morphology, and Fluorescence Response. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12518-12522	16.4	34
34	Design of a Hypersensitive pH-Sensory System Created by a Combination of Charge Neutralization and Aggregation-Induced Emission (AIE). <i>Chemistry - A European Journal</i> , 2017 , 23, 17663-17666	4.8	12
33	Ratiometric Sensing of d-Glucose in a Combined Approach of Aggregation-induced Emission (AIE) and Dynamic Covalent Bond Formation. <i>Chemistry Letters</i> , 2016 , 45, 702-704	1.7	11
32	Emergent Molecular Recognition through Self-Assembly: Unexpected Selectivity for Hyaluronic Acid among Glycosaminoglycans. <i>Angewandte Chemie</i> , 2016 , 128, 5802-5806	3.6	10
31	Conformation Control of a Conjugated Polymer through Complexation with Bile Acids Generates Its Novel Spectral and Morphological Properties. <i>Langmuir</i> , 2016 , 32, 12403-12412	4	
30	Emergent Molecular Recognition through Self-Assembly: Unexpected Selectivity for Hyaluronic Acid among Glycosaminoglycans. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5708-12	16.4	25
29	Amplified fluorescence emission of bolaamphiphilic perylene-azacrown ether derivatives directed towards molecular recognition events. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 13239-45	3.6	5

28	Tailoring of the desired selectivity and the turn-on detection range in a self-assembly-based fluorescence sensory system. <i>Chemical Science</i> , 2015 , 6, 3863-3867	9.4	25
27	One-pot Optical Sensing of Keto Acids through the Combination of the Oxime-click Reaction and Aggregation-induced Emission (AIE). <i>Chemistry Letters</i> , 2015 , 44, 812-814	1.7	5
26	Molecular recognition directed supramolecular control over perylene-bisimide aggregation resulting in aggregation induced enhanced emission (AIEE) and induced chiral amplification. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2310-2318	7.1	16
25	Nucleotide sensing with a perylene-based molecular receptor via amplified fluorescence quenching. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 561-5	3.9	23
24	A thixotropic supramolecular hydrogel of adenine and riboflavin-5-phosphate sodium salt showing enhanced fluorescence properties. <i>Soft Matter</i> , 2014 , 10, 5114-20	3.6	24
23	Supramolecular assembly of melamine and its derivatives: nanostructures to functional materials. <i>RSC Advances</i> , 2014 , 4, 1708-1734	3.7	95
22	Improved mechanical and electronic properties of co-assembled folic acid gel with aniline and polyaniline. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3615-22	9.5	48
21	Sensing of Hg ²⁺ and Ag ⁺ through a pH dependent FRET system: Fabrication of molecular logic gates. <i>Sensors and Actuators B: Chemical</i> , 2014 , 193, 349-355	8.5	15
20	Cyclization-induced turn-on fluorescence system applicable to dicarboxylate sensing. <i>Chemistry - A European Journal</i> , 2014 , 20, 381-4	4.8	52
19	A co-assembled gel of a pyromellitic dianhydride derivative and polyaniline with optoelectronic and photovoltaic properties. <i>Langmuir</i> , 2014 , 30, 7547-55	4	23
18	Rheological and fluorescent properties of riboflavin/poly(N-isopropylacrylamide) hybrid hydrogel with a potentiality of forming Ag nanoparticle. <i>RSC Advances</i> , 2014 , 4, 54684-54693	3.7	21
17	Translation of dicarboxylate structural information to fluorometric optical signals through self-assembly of guanidinium-tethered oligophenylenevinylene. <i>Chemistry - A European Journal</i> , 2014 , 20, 13938-44	4.8	23
16	Designing Novel pH-Induced Chitosan/β-Cyclodextrin Complex Coacervates for Colon Targeting. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 15728-15745	3.9	41
15	Stimuli-responsive, thixotropic bicomponent hydrogel of melamine/Zn(II)-orotate complex. <i>Supramolecular Chemistry</i> , 2013 , 25, 335-343	1.8	12
14	Co-assembled white-light-emitting hydrogel of melamine. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5478-85	9.5	76
13	Improved mechanical and photophysical properties of chitosan incorporated folic acid gel possessing the characteristics of dye and metal ion absorption. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20291		68
12	Metastability in a bi-component hydrogel of thymine and 6-methyl-1,3,5-triazine-2,4-diamine: ultrasound induced vs. thermo gelation. <i>Soft Matter</i> , 2012 , 8, 2366	3.6	25
11	A light harvesting Bi-component hydrogel with a riboflavin acceptor. <i>Chemical Communications</i> , 2012 , 48, 10850-2	5.8	31

10	Bi-component hydrogel of perylene-3,4,9,10-tetracarboxylic potassium salt and L-tyrosine. <i>RSC Advances</i> , 2012 , 2, 264-272	3.7	18
9	Self-sustaining, fluorescent and semi-conducting co-assembled organogel of Fmoc protected phenylalanine with aromatic amines. <i>Soft Matter</i> , 2012 , 8, 7436	3.6	54
8	Melamine sensing through riboflavin stabilized gold nanoparticles. <i>Analyst, The</i> , 2011 , 136, 67-70	5	46
7	pH and anion sensitive silver(I) coordinated melamine hydrogel with dye absorbing properties: metastability at low melamine concentration. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11747		53
6	Effect of complementary small molecules on the properties of bicomponent hydrogel of riboflavin. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 770-6	3.9	25
5	Selective colorimetric sensing of mercury(II) using turn off-turn on mechanism from riboflavin stabilized silver nanoparticles in aqueous medium. <i>Analyst, The</i> , 2011 , 136, 3605-7	5	44
4	Variation of physical and mechanical properties in the bicomponent hydrogels of melamine with positional isomers of hydroxybenzoic acid. <i>Soft Matter</i> , 2011 , 7, 8067	3.6	31
3	Bicomponent hydrogels of lumichrome and melamine: photoluminescence property and its dependency on pH and temperature. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 11454-61	3.4	44
2	Time sensitive, temperature and pH responsive photoluminescence behaviour of a melamine containing bicomponent hydrogel. <i>Soft Matter</i> , 2010 , 6, 3337	3.6	56
1	Two-component thermoreversible hydrogels of melamine and gallic acid. <i>Langmuir</i> , 2009 , 25, 8457-61	4	72