

Bappaditya Roy

List of Publications by Citations

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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 | Supramolecular assembly of melamine and its derivatives: nanostructures to functional materials. <i>RSC Advances</i> , 2014 , 4, 1708-1734 | 3.7 | 95 |
| 44 | Co-assembled white-light-emitting hydrogel of melamine. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5478-85 | 9.5 | 76 |
| 43 | Two-component thermoreversible hydrogels of melamine and gallic acid. <i>Langmuir</i> , 2009 , 25, 8457-61 | 4 | 72 |
| 42 | 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 |
| 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 | Time sensitive, temperature and pH responsive photoluminescence behaviour of a melamine containing bicomponent hydrogel. <i>Soft Matter</i> , 2010 , 6, 3337 | 3.6 | 56 |
| 39 | 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 |
| 38 | 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 |
| 37 | Cyclization-induced turn-on fluorescence system applicable to dicarboxylate sensing. <i>Chemistry - A European Journal</i> , 2014 , 20, 381-4 | 4.8 | 52 |
| 36 | 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 |
| 35 | Melamine sensing through riboflavin stabilized gold nanoparticles. <i>Analyst, The</i> , 2011 , 136, 67-70 | 5 | 46 |
| 34 | 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 |
| 33 | 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 |
| 32 | Designing Novel pH-Induced Chitosan-Cum Odina Complex Coacervates for Colon Targeting. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 15728-15745 | 3.9 | 41 |
| 31 | 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 |
| 30 | A light harvesting Bi-component hydrogel with a riboflavin acceptor. <i>Chemical Communications</i> , 2012 , 48, 10850-2 | 5.8 | 31 |
| 29 | 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 |

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| 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 | 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 |
| 26 | 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 |
| 25 | 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 |
| 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 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | Molecular Architectonics-Guided Fabrication of Superhydrophobic and Self-Cleaning Materials. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000246 | 4.6 | 20 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | Stimuli-responsive, thixotropic bicomponent hydrogel of melamine-Zn(II)-orotate complex. <i>Supramolecular Chemistry</i> , 2013 , 25, 335-343 | 1.8 | 12 |
| 13 | 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 |
| 12 | 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 |
| 11 | Emergent Molecular Recognition through Self-Assembly: Unexpected Selectivity for Hyaluronic Acid among Glycosaminoglycans. <i>Angewandte Chemie</i> , 2016 , 128, 5802-5806 | 3.6 | 10 |

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| 10 | Adaptive Self-Assembly Behavior Restrained by Supramolecular Crystallization and Molecular Recognition. <i>Chemistry - A European Journal</i> , 2017 , 23, 1937-1941 | 4.8 | 9 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |
| 5 | Cohelical Crossover Network by Supramolecular Polymerization of a 4,6-Acetalized α ,3-Glucan Macromer. <i>ACS Macro Letters</i> , 2017 , 6, 21-26 | 6.6 | 3 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 | |
| 1 | A Facile Supramolecular Approach towards Strategic Fluorescence Switching and Recognition-Controlled Photoreduction. <i>ChemPhotoChem</i> , 2018 , 2, 67-71 | 3.3 | |