## Partha Bairi

List of Publications by Year in descending order

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**Ρ**λατην Κλιαι

#	Article	IF	CITATIONS
1	Redox-Switchable Copper(I) Metallogel: A Metal–Organic Material for Selective and Naked-Eye Sensing of Picric Acid. ACS Applied Materials & Interfaces, 2014, 6, 6308-6316.	8.0	137
2	Hierarchically Structured Fullerene C <sub>70</sub> Cube for Sensing Volatile Aromatic Solvent Vapors. ACS Nano, 2016, 10, 6631-6637.	14.6	137
3	Supramolecular assembly of melamine and its derivatives: nanostructures to functional materials. RSC Advances, 2014, 4, 1708-1734.	3.6	106
4	Graphene Quantum Dots from a Facile Sono-Fenton Reaction and Its Hybrid with a Polythiophene Graft Copolymer toward Photovoltaic Application. ACS Applied Materials & Interfaces, 2013, 5, 12672-12680.	8.0	94
5	Co-assembled White-Light-Emitting Hydrogel of Melamine. ACS Applied Materials & Interfaces, 2013, 5, 5478-5485.	8.0	86
6	Mesoporous carbon cubes derived from fullerene crystals as a high rate performance electrode material for supercapacitors. Journal of Materials Chemistry A, 2019, 7, 12654-12660.	10.3	86
7	Supramolecular Differentiation for Construction of Anisotropic Fullerene Nanostructures by Time-Programmed Control of Interfacial Growth. ACS Nano, 2016, 10, 8796-8802.	14.6	82
8	Mesoporous graphitic carbon microtubes derived from fullerene C <sub>70</sub> tubes as a high performance electrode material for advanced supercapacitors. Journal of Materials Chemistry A, 2016, 4, 13899-13906.	10.3	81
9	Redox-Responsive Copper(I) Metallogel: A Metal–Organic Hybrid Sorbent for Reductive Removal of Chromium(VI) from Aqueous Solution. Langmuir, 2014, 30, 7833-7841.	3.5	77
10	Improved mechanical and photophysical properties of chitosan incorporated folic acid gel possessing the characteristics of dye and metal ion absorption. Journal of Materials Chemistry, 2012, 22, 20291.	6.7	75
11	Cobalt Oxide/Reduced Graphene Oxide Composite with Enhanced Electrochemical Supercapacitance Performance. Bulletin of the Chemical Society of Japan, 2017, 90, 955-962.	3.2	72
12	Intentional Closing/Opening of "Hole-in-Cube―Fullerene Crystals with Microscopic Recognition Properties. ACS Nano, 2017, 11, 7790-7796.	14.6	68
13	Self-sustaining, fluorescent and semi-conducting co-assembled organogel of Fmoc protected phenylalanine with aromatic amines. Soft Matter, 2012, 8, 7436.	2.7	60
14	Mesoporous fullerene C <sub>70</sub> cubes with highly crystalline frameworks and unusually enhanced photoluminescence properties. Materials Horizons, 2018, 5, 285-290.	12.2	59
15	Phase selective organogel from an imine based gelator for use in oil spill recovery. Journal of Materials Chemistry A, 2019, 7, 381-392.	10.3	59
16	Nanoporous Activated Carbons Derived from Agro-Waste Corncob for Enhanced Electrochemical and Sensing Performance. Bulletin of the Chemical Society of Japan, 2015, 88, 1108-1115.	3.2	57
17	Quasi 2D Mesoporous Carbon Microbelts Derived from Fullerene Crystals as an Electrode Material for Electrochemical Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 44458-44465.	8.0	57
18	pH and anion sensitive silver(i) coordinated melamine hydrogel with dye absorbing properties: metastability at low melamine concentration. Journal of Materials Chemistry, 2011, 21, 11747.	6.7	56

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19	Improved Mechanical and Electronic Properties of Co-assembled Folic Acid Gel with Aniline and Polyaniline. ACS Applied Materials & Interfaces, 2014, 6, 3615-3622.	8.0	56
20	Light induced E–Z isomerization in a multi-responsive organogel: elucidation from <sup>1</sup> H NMR spectroscopy. Chemical Communications, 2015, 51, 10680-10683.	4.1	53
21	Bicomponent Hydrogels of Lumichrome and Melamine: Photoluminescence Property and Its Dependency on pH and Temperature. Journal of Physical Chemistry B, 2010, 114, 11454-11461.	2.6	49
22	Selective colorimetric sensing of mercury(ii) using turn off–turn on mechanism from riboflavin stabilized silver nanoparticles in aqueous medium. Analyst, The, 2011, 136, 3605.	3.5	48
23	Variation of physical and mechanical properties in the bicomponent hydrogels of melamine with positional isomers of hydroxybenzoic acid. Soft Matter, 2011, 7, 8067.	2.7	36
24	Co-Assembled Conductive Hydrogel of <i>N</i> -Fluorenylmethoxycarbonyl Phenylalanine with Polyaniline. Journal of Physical Chemistry B, 2014, 118, 13969-13980.	2.6	35
25	Integration of Poly(ethylene glycol) in <i>N</i> -Fluorenylmethoxycarbonyl- <scp>I</scp> -tryptophan Hydrogel Influencing Mechanical, Thixotropic, and Release Properties. Journal of Physical Chemistry B, 2015, 119, 5933-5944.	2.6	34
26	A light harvesting Bi-component hydrogel with a riboflavin acceptor. Chemical Communications, 2012, 48, 10850.	4.1	33
27	A thixotropic supramolecular hydrogel of adenine and riboflavin-5′-phosphate sodium salt showing enhanced fluorescence properties. Soft Matter, 2014, 10, 5114.	2.7	29
28	Metastability in a bi-component hydrogel of thymine and 6-methyl-1,3,5-triazine-2,4-diamine: ultrasound induced vs. thermo gelation. Soft Matter, 2012, 8, 2366.	2.7	28
29	Rheological and fluorescent properties of riboflavin–poly(N-isopropylacrylamide) hybrid hydrogel with a potentiality of forming Ag nanoparticle. RSC Advances, 2014, 4, 54684-54693.	3.6	28
30	A Co-assembled Gel of a Pyromellitic Dianhydride Derivative and Polyaniline with Optoelectronic and Photovoltaic Properties. Langmuir, 2014, 30, 7547-7555.	3.5	28
31	Triarylamine ored Dendritic Molecular Gel for Efficient Colorometric, Fluorometric, and Impedometeric Detection of Picric Acid. Chemistry - A European Journal, 2018, 24, 5591-5600.	3.3	28
32	Hierarchical Assembly of MnO <sub>2</sub> Nanosheet on CuCo <sub>2</sub> O <sub>4</sub> Nanoflake over Fabric Scaffold for Symmetric Supercapacitor. ACS Applied Nano Materials, 2021, 4, 1420-1433.	5.0	24
33	Amalgamation of MnWO <sub>4</sub> nanorods with amorphous carbon nanotubes for highly stabilized energy efficient supercapacitor electrodes. Dalton Transactions, 2021, 50, 5327-5341.	3.3	23
34	Bi-component hydrogel of perylene-3,4,9,10-tetracarboxylic potassium salt and <scp>l</scp> -tyrosine. RSC Advances, 2012, 2, 264-272.	3.6	20
35	Hierarchical Nanocomposites by Oligomer-Initiated Controlled Polymerization of Aniline on Graphene Oxide Sheets for Energy Storage. ACS Applied Nano Materials, 2020, 3, 1693-1705.	5.0	20
36	Sensing of Hg+2 and Ag+ through a pH dependent FRET system: Fabrication of molecular logic gates. Sensors and Actuators B: Chemical, 2014, 193, 349-355.	7.8	19

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37	Electrochemical Performance of 3D Network CsPbBr <sub>3</sub> Perovskite Anodes for Li-Ion Batteries: Experimental Venture with Theoretical Expedition. Journal of Physical Chemistry C, 2021, 125, 16892-16902.	3.1	18
38	Nanoengineering of a Supramolecular Gel by Copolymer Incorporation: Enhancement of Gelation Rate, Mechanical Property, Fluorescence, and Conductivity. Langmuir, 2016, 32, 1871-1880.	3.5	17
39	Low-temperature synthesis of copper oxide (CuO) nanostructures with temperature-controlled morphological variations. Ceramics International, 2015, 41, 9426-9432.	4.8	16
40	A Comparative Account of the Kinetics of Light-Induced <i>E</i> – <i>Z</i> Isomerization of an Anthracene-Based Organogelator in Sol, Gel, Xerogel, and Powder States: Fiber to Crystal Transformation. Langmuir, 2016, 32, 5373-5382.	3.5	16
41	Stimuli-responsive, thixotropic bicomponent hydrogel of melamine–Zn(II)-orotate complex. Supramolecular Chemistry, 2013, 25, 335-343.	1.2	14
42	Isomerization-Induced Excimer Formation of Pyrene-Based Acylhydrazone Controlled by Light- and Solvent-Sensing Aromatic Analytes. Journal of Physical Chemistry B, 2021, 125, 13804-13816.	2.6	12
43	A robust stimuli responsive Eu3+ – Metalo organic hydrogel and xerogel emitting white light. Journal of Colloid and Interface Science, 2020, 579, 531-540.	9.4	10
44	Shape-Shifting via Salt Crystallization: Conversion of a Nanostructured Polymer into a Site-Selective Nitrogen-Doped Carbon Sheet with Enhanced Supercapacitive Performance. ACS Applied Energy Materials, 2020, 3, 5984-5992.	5.1	10
45	Nanoporous nitrogen-doped graphitic carbon hollow spheres with enhanced electrochemical properties. Materials Chemistry Frontiers, 2021, 5, 7645-7653.	5.9	9
46	Vortex-Aligned Ordered Film of Crystalline Fullerene C <sub>70</sub> Microtubes with Enhanced Photoluminescence and Photovoltaics Properties. Journal of Nanoscience and Nanotechnology, 2020, 20, 2971-2978.	0.9	8
47	1D materials from ionic self-assembly in mixtures containing chromonic liquid crystal mesogens. Physical Chemistry Chemical Physics, 2020, 22, 23276-23285.	2.8	4
48	Eigenvalue-eigenvector decomposition (EED) analysis of dissimilarity and covariance matrix obtained from total synchronous fluorescence spectral (TSFS) data sets of herbal preparations: Optimizing the classification approach. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 184, 128-133.	3.9	3
49	A New Generation Coâ€Assembled Small Molecular Gel with Polyaniline: Exciting Mechanical, Electronic and Photovoltaic Properties. Macromolecular Symposia, 2016, 359, 118-123.	0.7	0