

# Partha Bairi

## List of Publications by Year in Descending Order

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**Version:** 2024-04-19

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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.

48  
papers

1,748  
citations

26  
h-index

41  
g-index

49  
ext. papers

1,980  
ext. citations

6.4  
avg, IF

4.98  
L-index

#	Paper	IF	Citations
48	Electrochemical Performance of 3D Network CsPbBr <sub>3</sub> Perovskite Anodes for Li-Ion Batteries: Experimental Venture with Theoretical Expedition. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 16892-16902	3.8	6
47	Amalgamation of MnWO nanorods with amorphous carbon nanotubes for highly stabilized energy efficient supercapacitor electrodes. <i>Dalton Transactions</i> , <b>2021</b> , 50, 5327-5341	4.3	3
46	Hierarchical Assembly of MnO <sub>2</sub> Nanosheet on CuCo <sub>2</sub> O <sub>4</sub> Nanoflake over Fabric Scaffold for Symmetric Supercapacitor. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 1420-1433	5.6	6
45	Isomerization-Induced Excimer Formation of Pyrene-Based Acylhydrazone Controlled by Light- and Solvent-Sensing Aromatic Analytes. <i>Journal of Physical Chemistry B</i> , <b>2021</b> ,	3.4	3
44	A robust stimuli responsive Eu - Metallo organic hydrogel and xerogel emitting white light. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 579, 531-540	9.3	4
43	Vortex-Aligned Ordered Film of Crystalline Fullerene C Microtubes with Enhanced Photoluminescence and Photovoltaics Properties. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2020</b> , 20, 2971-2978	1.3	6
42	Shape-Shifting via Salt Crystallization: Conversion of a Nanostructured Polymer into a Site-Selective Nitrogen-Doped Carbon Sheet with Enhanced Supercapacitive Performance. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 5984-5992	6.1	5
41	1D materials from ionic self-assembly in mixtures containing chromonic liquid crystal mesogens. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 23276-23285	3.6	1
40	Hierarchical Nanocomposites by Oligomer-Initiated Controlled Polymerization of Aniline on Graphene Oxide Sheets for Energy Storage. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 1693-1705	5.6	7
39	Phase selective organogel from an imine based gelator for use in oil spill recovery. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 381-392	13	36
38	Mesoporous carbon cubes derived from fullerene crystals as a high rate performance electrode material for supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12654-12660	13	54
37	Triarylamine-Cored Dendritic Molecular Gel for Efficient Colorimetric, Fluorometric, and Impedometric Detection of Picric Acid. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 5591-5600	4.8	22
36	Mesoporous fullerene C <sub>70</sub> cubes with highly crystalline frameworks and unusually enhanced photoluminescence properties. <i>Materials Horizons</i> , <b>2018</b> , 5, 285-290	14.4	46
35	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 184, 128-133	4.4	2
34	Cobalt Oxide/Reduced Graphene Oxide Composite with Enhanced Electrochemical Supercapacitance Performance. <i>Bulletin of the Chemical Society of Japan</i> , <b>2017</b> , 90, 955-962	5.1	67
33	Intentional Closing/Opening of "Hole-in-Cube" Fullerene Crystals with Microscopic Recognition Properties. <i>ACS Nano</i> , <b>2017</b> , 11, 7790-7796	16.7	57
32	Quasi 2D Mesoporous Carbon Microbelts Derived from Fullerene Crystals as an Electrode Material for Electrochemical Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44458-44465	9.5	43

31	Supramolecular Differentiation for Construction of Anisotropic Fullerene Nanostructures by Time-Programmed Control of Interfacial Growth. <i>ACS Nano</i> , <b>2016</b> , 10, 8796-802	16.7	75
30	Hierarchically Structured Fullerene C70 Cube for Sensing Volatile Aromatic Solvent Vapors. <i>ACS Nano</i> , <b>2016</b> , 10, 6631-7	16.7	112
29	Nanoengineering of a Supramolecular Gel by Copolymer Incorporation: Enhancement of Gelation Rate, Mechanical Property, Fluorescence, and Conductivity. <i>Langmuir</i> , <b>2016</b> , 32, 1871-80	4	15
28	A Comparative Account of the Kinetics of Light-Induced E-Z Isomerization of an Anthracene-Based Organogelator in Sol, Gel, Xerogel, and Powder States: Fiber to Crystal Transformation. <i>Langmuir</i> , <b>2016</b> , 32, 5373-82	4	12
27	Mesoporous graphitic carbon microtubes derived from fullerene C70 tubes as a high performance electrode material for advanced supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13899-13906 <sup>13</sup>		64
26	A New Generation Co-Assembled Small Molecular Gel with Polyaniline: Exciting Mechanical, Electronic and Photovoltaic Properties. <i>Macromolecular Symposia</i> , <b>2016</b> , 359, 118-123	0.8	
25	Low-temperature synthesis of copper oxide (CuO) nanostructures with temperature-controlled morphological variations. <i>Ceramics International</i> , <b>2015</b> , 41, 9426-9432	5.1	14
24	Nanoporous Activated Carbons Derived from Agro-Waste Corncob for Enhanced Electrochemical and Sensing Performance. <i>Bulletin of the Chemical Society of Japan</i> , <b>2015</b> , 88, 1108-1115	5.1	53
23	Light induced E-Z isomerization in a multi-responsive organogel: elucidation from (1)H NMR spectroscopy. <i>Chemical Communications</i> , <b>2015</b> , 51, 10680-3	5.8	43
22	Integration of poly(ethylene glycol) in N-fluorenylmethoxycarbonyl-L-tryptophan hydrogel influencing mechanical, thixotropic, and release properties. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 5933-44	3.4	28
21	A thixotropic supramolecular hydrogel of adenine and riboflavin-5Sphosphate sodium salt showing enhanced fluorescence properties. <i>Soft Matter</i> , <b>2014</b> , 10, 5114-20	3.6	24
20	Redox-switchable copper(I) metallogel: a metal-organic material for selective and naked-eye sensing of picric acid. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6308-16	9.5	112
19	Supramolecular assembly of melamine and its derivatives: nanostructures to functional materials. <i>RSC Advances</i> , <b>2014</b> , 4, 1708-1734	3.7	95
18	Redox-responsive copper(I) metallogel: a metal-organic hybrid sorbent for reductive removal of chromium(VI) from aqueous solution. <i>Langmuir</i> , <b>2014</b> , 30, 7833-41	4	60
17	Improved mechanical and electronic properties of co-assembled folic acid gel with aniline and polyaniline. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 3615-22	9.5	48
16	Sensing of Hg <sup>2+</sup> and Ag <sup>+</sup> through a pH dependent FRET system: Fabrication of molecular logic gates. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 193, 349-355	8.5	15
15	A co-assembled gel of a pyromellitic dianhydride derivative and polyaniline with optoelectronic and photovoltaic properties. <i>Langmuir</i> , <b>2014</b> , 30, 7547-55	4	23
14	Rheological and fluorescent properties of riboflavin/poly(N-isopropylacrylamide) hybrid hydrogel with a potentiality of forming Ag nanoparticle. <i>RSC Advances</i> , <b>2014</b> , 4, 54684-54693	3.7	21

13	Co-assembled conductive hydrogel of N-fluorenylmethoxycarbonyl phenylalanine with polyaniline. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 13969-80	3.4	31
12	Graphene quantum dots from a facile sono-Fenton reaction and its hybrid with a polythiophene graft copolymer toward photovoltaic application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 12672-80	9.5	79
11	Stimuli-responsive, thixotropic bicomponent hydrogel of melamine-Zn(II)-orotate complex. <i>Supramolecular Chemistry</i> , <b>2013</b> , 25, 335-343	1.8	12
10	Co-assembled white-light-emitting hydrogel of melamine. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5478-85	9.5	76
9	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> , <b>2012</b> , 22, 20291		68
8	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> , <b>2012</b> , 8, 2366	3.6	25
7	A light harvesting Bi-component hydrogel with a riboflavin acceptor. <i>Chemical Communications</i> , <b>2012</b> , 48, 10850-2	5.8	31
6	Bi-component hydrogel of perylene-3,4,9,10-tetracarboxylic potassium salt and L-tyrosine. <i>RSC Advances</i> , <b>2012</b> , 2, 264-272	3.7	18
5	Self-sustaining, fluorescent and semi-conducting co-assembled organogel of Fmoc protected phenylalanine with aromatic amines. <i>Soft Matter</i> , <b>2012</b> , 8, 7436	3.6	54
4	pH and anion sensitive silver(I) coordinated melamine hydrogel with dye absorbing properties: metastability at low melamine concentration. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 11747		53
3	Selective colorimetric sensing of mercury(II) using turn off-turn on mechanism from riboflavin stabilized silver nanoparticles in aqueous medium. <i>Analyst, The</i> , <b>2011</b> , 136, 3605-7	5	44
2	Variation of physical and mechanical properties in the bicomponent hydrogels of melamine with positional isomers of hydroxybenzoic acid. <i>Soft Matter</i> , <b>2011</b> , 7, 8067	3.6	31
1	Bicomponent hydrogels of lumichrome and melamine: photoluminescence property and its dependency on pH and temperature. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 11454-61	3.4	44