

Suman Kalyan Samanta

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,715
citations

361045

20
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

2636
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft-Nanocomposites of Nanoparticles and Nanocarbons with Supramolecular and Polymer Gels and Their Applications. <i>Chemical Reviews</i> , 2016, 116, 11967-12028.	23.0	259
2	Conjugated Polymer-Assisted Dispersion of Single-Wall Carbon Nanotubes: The Power of Polymer Wrapping. <i>Accounts of Chemical Research</i> , 2014, 47, 2446-2456.	7.6	236
3	Selective and Efficient Detection of Nitro-Aromatic Explosives in Multiple Media including Water, Micelles, Organogel, and Solid Support. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8394-8400.	4.0	172
4	Efficient Management of Fruit Pests by Pheromone Nanogels. <i>Scientific Reports</i> , 2013, 3, 1294.	1.6	112
5	Carbon nanotube reinforced supramolecular gels with electrically conducting, viscoelastic and near-infrared sensitive properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 6881.	6.7	96
6	Excellent chirality transcription in two-component photochromic organogels assembled through J-aggregation. <i>Chemical Communications</i> , 2013, 49, 1425.	2.2	81
7	Stretchable and Self-Healable Conductive Hydrogels for Wearable Multimodal Touch Sensors with Thermoresponsive Behavior. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26134-26143.	4.0	81
8	Soft Functional Materials Induced by Fibrillar Networks of Small Molecular Photochromic Gelators. <i>Langmuir</i> , 2009, 25, 8378-8381.	1.6	79
9	Aggregation induced emission switching and electrical properties of chain length dependent π -gels derived from phenylenedivinylylene bis-pyridinium salts in alcohol-water mixtures. <i>Journal of Materials Chemistry</i> , 2012, 22, 25277.	6.7	78
10	Surfactants Possessing Multiple Polar Heads. A Perspective on their Unique Aggregation Behavior and Applications. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 914-920.	2.1	72
11	Unusual Salt-Induced Color Modulation through Aggregation-Induced Emission Switching of a Bis-cationic Phenylenedivinylylene-Based π Hydrogelator. <i>Chemistry - A European Journal</i> , 2012, 18, 16632-16641.	1.7	72
12	Choice of the End Functional Groups in Tri(<i>p</i> -phenylenevinylene) Derivatives Controls Its Physical Gelation Abilities. <i>Langmuir</i> , 2009, 25, 8567-8578.	1.6	68
13	Composites of Graphene and Other Nanocarbons with Organogelators Assembled through Supramolecular Interactions. <i>Chemistry - A European Journal</i> , 2012, 18, 2890-2901.	1.7	52
14	Novel Nanocomposites Made of Boron Nitride Nanotubes and a Physical Gel. <i>Langmuir</i> , 2010, 26, 12230-12236.	1.6	45
15	Coarse-Grained Molecular Dynamics Simulation of the Aggregation Properties of Multiheaded Cationic Surfactants in Water. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13545-13550.	1.2	38
16	Wide-Range Light-Harvesting Donor-Acceptor Assemblies through Specific Intergelator Interactions via Self-Assembly. <i>Chemistry - A European Journal</i> , 2012, 18, 15875-15885.	1.7	30
17	Organic n-Channel Transistors Based on [1]Benzothieno[3,2- <i>b</i>]benzothiophene-Rylene Diimide Donor-Acceptor Conjugated Polymers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32444-32453.	4.0	28
18	Induction of Supramolecular Chirality in the Self-Assemblies of Lipophilic Pyrimidine Derivatives by Choice of the Amino Acid-Based Chiral Spacer. <i>Chemistry - A European Journal</i> , 2013, 19, 11364-11373.	1.7	27

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19	Role of pH controlled DNA secondary structures in the reversible dispersion/precipitation and separation of metallic and semiconducting single-walled carbon nanotubes. <i>Nanoscale</i> , 2014, 6, 3721-3730.	2.8	25
20	Nanocomposite Made of an Oligo(<i>p</i> -phenylenevinylene)-Based Trihybrid Thixotropic Metallo(organo)gel Comprising Nanoscale Metal-Organic Particles, Carbon Nanohorns, and Silver Nanoparticles. <i>Chemistry - A European Journal</i> , 2015, 21, 5467-5476.	1.7	25
21	One-step synthesis of a cyclic 2,17-dioxo[3,3](4,4) biphenylophane and first preparation of a microporous polymer network from a macrocyclic precursor by cyclotrimerization. <i>Chemical Communications</i> , 2015, 51, 9046-9049.	2.2	14
22	Multimodal Ion Sensing by Structurally Simple Pyridine-End Oligo <i>p</i> -Phenylenevinylenes for Sustainable Detection of Toxic Industrial Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, , .	3.2	12
23	Synthesis of High Molecular Weight 1,4-Polynaphthalene for Solution-Processed True Color Blue Light Emitting Diode. <i>Macromolecules</i> , 2018, 51, 8324-8329.	2.2	7
24	Cationic Main-Chain Polyelectrolytes with Pyridinium-Based <i>p</i> -Phenylenevinylene Units and Their Aggregation-Induced Gelation. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600374.	1.1	6
25	AN INSIGHT INTO FIBER-SOLVENT MEDIATED MODULATION OF NANO-FIBRILLAR ORGANOGELS. <i>International Journal of Nanoscience</i> , 2011, 10, 547-554.	0.4	0