

Suman Kalyan Samanta

List of Publications by Citations

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25
papers

1,492
citations

19
h-index

25
g-index

25
ext. papers

1,602
ext. citations

8.8
avg, IF

5.13
L-index

#	Paper	IF	Citations
25	Conjugated polymer-assisted dispersion of single-wall carbon nanotubes: the power of polymer wrapping. <i>Accounts of Chemical Research</i> , 2014 , 47, 2446-56	24.3	208
24	Soft-Nanocomposites of Nanoparticles and Nanocarbons with Supramolecular and Polymer Gels and Their Applications. <i>Chemical Reviews</i> , 2016 , 116, 11967-12028	68.1	205
23	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, 8394-400	9.5	160
22	Carbon nanotube reinforced supramolecular gels with electrically conducting, viscoelastic and near-infrared sensitive properties. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6881		91
21	Efficient management of fruit pests by pheromone nanogels. <i>Scientific Reports</i> , 2013 , 3, 1294	4.9	88
20	Soft functional materials induced by fibrillar networks of small molecular photochromic gelators. <i>Langmuir</i> , 2009 , 25, 8378-81	4	77
19	Excellent chirality transcription in two-component photochromic organogels assembled through J-aggregation. <i>Chemical Communications</i> , 2013 , 49, 1425-7	5.8	75
18	Aggregation induced emission switching and electrical properties of chain length dependent gels derived from phenylenedivinylene bis-pyridinium salts in alcohol/water mixtures. <i>Journal of Materials Chemistry</i> , 2012 , 22, 25277		71
17	Surfactants Possessing Multiple Polar Heads. A Perspective on their Unique Aggregation Behavior and Applications. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 914-20	6.4	68
16	Unusual salt-induced color modulation through aggregation-induced emission switching of a bis-cationic phenylenedivinylene-based hydrogelator. <i>Chemistry - A European Journal</i> , 2012 , 18, 16632-41	4.8	66
15	Choice of the end functional groups in tri(p-phenylenevinylene) derivatives controls its physical gelation abilities. <i>Langmuir</i> , 2009 , 25, 8567-78	4	64
14	Composites of graphene and other nanocarbons with organogelators assembled through supramolecular interactions. <i>Chemistry - A European Journal</i> , 2012 , 18, 2890-901	4.8	51
13	Stretchable and Self-Healable Conductive Hydrogels for Wearable Multimodal Touch Sensors with Thermoresponsive Behavior. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26134-26143	9.5	47
12	Novel nanocomposites made of boron nitride nanotubes and a physical gel. <i>Langmuir</i> , 2010 , 26, 12230-64		42
11	Coarse-grained molecular dynamics simulation of the aggregation properties of multiheaded cationic surfactants in water. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13545-50	3.4	35
10	Wide-range light-harvesting donor-acceptor assemblies through specific intergelator interactions via self-assembly. <i>Chemistry - A European Journal</i> , 2012 , 18, 15875-85	4.8	29
9	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, 11364-73	4.8	27

8	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, 3721-30	7.7	24
7	Nanocomposite made of an oligo(p-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, 5467-76	4.8	21
6	Organic n-Channel Transistors Based on [1]Benzothieno[3,2- b]benzothiophene-Rylene Diimide Donor-Acceptor Conjugated Polymers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32444-32453	9.5	18
5	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, 9046-9	5.8	9
4	Multimodal Ion Sensing by Structurally Simple Pyridine-End Oligo p-Phenylenevinylenes for Sustainable Detection of Toxic Industrial Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 ,	8.3	7
3	Synthesis of High Molecular Weight 1,4-Polynaphthalene for Solution-Processed True Color Blue Light Emitting Diode. <i>Macromolecules</i> , 2018 , 51, 8324-8329	5.5	5
2	Cationic Main-Chain Polyelectrolytes with Pyridinium-Based p-Phenylenevinylene Units and Their Aggregation-Induced Gelation. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600374	2.6	4
1	AN INSIGHT INTO FIBER/SOLVENT MEDIATED MODULATION OF NANO-FIBRILLAR ORGANOGELS. <i>International Journal of Nanoscience</i> , 2011 , 10, 547-554	0.6	