

# Suman Kalyan Samanta

## List of Publications by Year in Descending Order

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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.

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 | Stretchable and Self-Healable Conductive Hydrogels for Wearable Multimodal Touch Sensors with Thermoresponsive Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 26134-26143                                                         | 9.5  | 47        |
| 24 | Multimodal Ion Sensing by Structurally Simple Pyridine-End Oligo p-Phenylenevinylens for Sustainable Detection of Toxic Industrial Waste. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> ,                                                     | 8.3  | 7         |
| 23 | Synthesis of High Molecular Weight 1,4-Polynaphthalene for Solution-Processed True Color Blue Light Emitting Diode. <i>Macromolecules</i> , <b>2018</b> , 51, 8324-8329                                                                                        | 5.5  | 5         |
| 22 | Organic n-Channel Transistors Based on [1]Benzothieno[3,2- b]benzothiophene-Rylene Diimide Donor-Acceptor Conjugated Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 32444-32453                                                   | 9.5  | 18        |
| 21 | Cationic Main-Chain Polyelectrolytes with Pyridinium-Based p-Phenylenevinylene Units and Their Aggregation-Induced Gelation. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1600374                                                          | 2.6  | 4         |
| 20 | Soft-Nanocomposites of Nanoparticles and Nanocarbons with Supramolecular and Polymer Gels and Their Applications. <i>Chemical Reviews</i> , <b>2016</b> , 116, 11967-12028                                                                                     | 68.1 | 205       |
| 19 | 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> , <b>2015</b> , 51, 9046-9                        | 5.8  | 9         |
| 18 | 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> , <b>2015</b> , 21, 5467-76 | 4.8  | 21        |
| 17 | Conjugated polymer-assisted dispersion of single-wall carbon nanotubes: the power of polymer wrapping. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 2446-56                                                                                        | 24.3 | 208       |
| 16 | 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> , <b>2014</b> , 6, 3721-30                                            | 7.7  | 24        |
| 15 | Selective and efficient detection of nitro-aromatic explosives in multiple media including water, micelles, organogel, and solid support. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8394-400                                            | 9.5  | 160       |
| 14 | Excellent chirality transcription in two-component photochromic organogels assembled through J-aggregation. <i>Chemical Communications</i> , <b>2013</b> , 49, 1425-7                                                                                          | 5.8  | 75        |
| 13 | Efficient management of fruit pests by pheromone nanogels. <i>Scientific Reports</i> , <b>2013</b> , 3, 1294                                                                                                                                                   | 4.9  | 88        |
| 12 | 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> , <b>2013</b> , 19, 11364-73                                          | 4.8  | 27        |
| 11 | Composites of graphene and other nanocarbons with organogelators assembled through supramolecular interactions. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 2890-901                                                                             | 4.8  | 51        |
| 10 | Aggregation induced emission switching and electrical properties of chain length dependent gels derived from phenylenedivinylen bis-pyridinium salts in alcohol/water mixtures. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 25277                |      | 71        |
| 9  | Wide-range light-harvesting donor-acceptor assemblies through specific intergelator interactions via self-assembly. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 15875-85                                                                         | 4.8  | 29        |

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|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 8 | Unusual salt-induced color modulation through aggregation-induced emission switching of a bis-cationic phenylenedivynylene-based hydrogelator. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 16632-41 | 4.8 | 66 |
| 7 | Surfactants Possessing Multiple Polar Heads. A Perspective on their Unique Aggregation Behavior and Applications. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 914-20                          | 6.4 | 68 |
| 6 | AN INSIGHT INTO FIBER/SOLVENT MEDIATED MODULATION OF NANO-FIBRILLAR ORGANOGELS. <i>International Journal of Nanoscience</i> , <b>2011</b> , 10, 547-554                                                           | 0.6 |    |
| 5 | Carbon nanotube reinforced supramolecular gels with electrically conducting, viscoelastic and near-infrared sensitive properties. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 6881                  |     | 91 |
| 4 | Novel nanocomposites made of boron nitride nanotubes and a physical gel. <i>Langmuir</i> , <b>2010</b> , 26, 12230-64                                                                                             |     | 42 |
| 3 | Soft functional materials induced by fibrillar networks of small molecular photochromic gelators. <i>Langmuir</i> , <b>2009</b> , 25, 8378-81                                                                     | 4   | 77 |
| 2 | Coarse-grained molecular dynamics simulation of the aggregation properties of multiheaded cationic surfactants in water. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 13545-50                     | 3.4 | 35 |
| 1 | Choice of the end functional groups in tri(p-phenylenevinylene) derivatives controls its physical gelation abilities. <i>Langmuir</i> , <b>2009</b> , 25, 8567-78                                                 | 4   | 64 |