Sudip Malik

List of Publications by Year
in descending order

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90 papers	3,652 citations	117453 34 h-index	138251 58 g-index
94 all docs	94 docs citations	94 times ranked	5388 citing authors

#	Article	IF	Citations
1	Urea-mediated synthesized carbon quantum dots to tune the electrochemical performance of polyaniline nanorods for supercapacitor device. Journal of Science: Advanced Materials and Devices, 2022, 7, 100403.	1.5	7
2	Effect of Tricarboxylic Acids on the Formation of Hydrogels with Melem or Melamine: Morphological, Structural and Rheological Investigations. Gels, 2022, 8, 51.	2.1	2
3	Fully organic electroactive monomers for electrochromic behaviors having high coloration efficiency and long cycle stability towards flexible Solid-State electrochromic device. Journal of Electroanalytical Chemistry, 2022, 918, 116484.	1.9	7
4	Tuning intermediate adsorption in structurally ordered substituted PdCu3 intermetallic nanoparticles for enhanced ethanol oxidation reaction. Chemical Communications, 2021, 57, 4508-4511.	2.2	9
5	Fully organic polyaniline nanotubes as electrode material for durable supercapacitor. Journal of Energy Storage, 2021, 39, 102662.	3.9	18
6	Solid-state emissive organic chromophores: design, strategy and building blocks. Journal of Materials Chemistry C, 2020, 8, 788-802.	2.7	102
7	Morphological Modulation of Conducting Polymer Nanocomposites with Nickel Cobaltite/Reduced Graphene Oxide and Their Subtle Effects on the Capacitive Behaviors. ACS Applied Materials & Interfaces, 2020, 12, 54053-54067.	4.0	35
8	Fabrication of organic nanocomposite of polyaniline for enhanced electrochemical performance. Journal of Energy Storage, 2020, 31, 101700.	3.9	17
9	Design, Synthesis, and Electrochromic Behaviors of Donorâ€Acceptorâ€Donor type Triphenylamineâ€isoâ€Naphthalenediimide Derivatives. ChemElectroChem, 2020, 7, 4144-4152.	1.7	13
10	Covalently linked benzimidazole-containing reduced graphene oxide/polyaniline nanocomposites as electrode materials. RSC Advances, 2019, 9, 24646-24653.	1.7	12
11	Pt/Co₃O₄ Surpasses Benchmark Pt/C: An Approach Toward Next Generation Hydrogen Evolution Electrocatalyst. ACS Applied Energy Materials, 2019, 2, 5613-5621.	2.5	29
12	Intermingled Network of Syndiotactic Polystyrene/Poly(3-hexylthiophene). Macromolecules, 2019, 52, 8569-8576.	2.2	2
13	Nanocomposites of polypyrrole/graphene nanoplatelets/single walled carbon nanotubes for flexible solid-state symmetric supercapacitor. European Polymer Journal, 2019, 120, 109203.	2.6	42
14	Network of Polyaniline Nanotubes for Wastewater Treatment and Oil/Water Separation. ACS Applied Polymer Materials, 2019, 1, 1624-1633.	2.0	45
15	Solvent-Assisted Enhanced Emission of Cationic Perylene Diimide Supramolecular Assembly in Water: A Perspective from Experiment and Simulation. Journal of Physical Chemistry C, 2019, 123, 6241-6249.	1.5	9
16	Simple synthesis of end functionalized regioregular poly(3â€hexyl thiophene) by catalyticâ€initiated Kumada catalyst transfer polymerization. Journal of Polymer Science Part A, 2019, 57, 945-951.	2.5	11
17	Co(II) Induced Aggregation of Chiral Perylene Derivatives and Macroscopic Formation of Supramolecular Networks. Chemistry Letters, 2018, 47, 576-579.	0.7	2
18	Electrochemical polymerization of triphenylamine end-capped dendron: Electrochromic and electrofluorochromic switching behaviors. Journal of Electroanalytical Chemistry, 2018, 823, 203-212.	1.9	54

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19	Reduced Graphene Oxide/Fe₃O₄/Polyaniline Nanostructures as Electrode Materials for an All-Solid-State Hybrid Supercapacitor. Journal of Physical Chemistry C, 2017, 121, 7573-7583.	1.5	221
20	Enhanced Charge Carrier Mobility and Tailored Luminescence of nâ€Type Organic Semiconductor through Block Copolymer Supramolecular Assembly. Macromolecular Chemistry and Physics, 2017, 218, 1600508.	1.1	7
21	Benzimidazole linked arylimide based covalent organic framework as gas adsorbing and electrode materials for supercapacitor application. European Polymer Journal, 2017, 93, 448-457.	2.6	47
22	Solid state emissive organic fluorophores with remarkable broad color tunability based on aryl-substituted buta-1,3-diene as the central core. Journal of Materials Chemistry C, 2017, 5, 6872-6879.	2.7	23
23	Conjugated Polymers Nanostructures: Synthesis and Applications. , 2017, , 469-500.		0
24	Design of triphenylamine appended anthracene derivatives: electro-polymerization and their electro-chromic behaviour. RSC Advances, 2016, 6, 81597-81606.	1.7	19
25	Easy synthesis approach of Pt-nanoparticles on polyaniline surface: an efficient electro-catalyst for methanol oxidation reaction. Journal of Power Sources, 2016, 328, 271-279.	4.0	54
26	Studies on Syndiotactic Polystyrene/Poly(3â€hexyl thiophene) Composite. Macromolecular Symposia, 2016, 369, 81-86.	0.4	0
27	Salen-based enantiomeric polymers for enantioselective recognition. New Journal of Chemistry, 2016, 40, 8074-8080.	1.4	3
28	Chargeâ€Transferâ€Induced Fluorescence Quenching of Anthracene Derivatives and Selective Detection of Picric Acid. Chemistry - A European Journal, 2016, 22, 2012-2019.	1.7	106
29	Proton induced aggregation of water soluble isophthalic acid appended arylene diimides: justification with perylene derivative. RSC Advances, 2016, 6, 34027-34037.	1.7	11
30	Graphene quantum dot-doped polyaniline nanofiber as high performance supercapacitor electrode materials. Chemical Communications, 2015, 51, 12365-12368.	2.2	233
31	Amphiphilic and Thermoresponsive Conjugated Block Copolymer with Its Solvent Dependent Optical and Photoluminescence Properties: Toward Sensing Applications. ACS Applied Materials & Interfaces, 2015, 7, 12348-12354.	4.0	36
32	Vice versa donor acceptor fluoreneâ€“ferrocene alternate copolymer: a twisted ribbon for electrical switching. Chemical Communications, 2015, 51, 13123-13126.	2.2	16
33	Polyurethane-Grafted Chitosan as New Biomaterials for Controlled Drug Delivery. Macromolecules, 2015, 48, 2654-2666.	2.2	95
34	Water soluble perylene bisimide and its turn off/on fluorescence are used to detect cysteine and homocysteine. New Journal of Chemistry, 2015, 39, 5084-5087.	1.4	13
35	Facile Decoration of Polyaniline Fiber with Ag Nanoparticles for Recyclable SERS Substrate. ACS Applied Materials & Interfaces, 2015, 7, 10457-10465.	4.0	125
36	Self healing hydrogels composed of amyloid nano fibrils for cell culture and stem cell differentiation. Biomaterials, 2015, 54, 97-105.	5.7	162

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37	How the stereochemistry decides the selectivity: an approach towards metal ion detection. New Journal of Chemistry, 2015, 39, 9207-9214.	1.4	11
38	Water soluble polyaniline coated electrode: A simple and nimble electrochemical approach for ascorbic acid detection. Synthetic Metals, 2014, 192, 43-49.	2.1	25
39	Light Harvesting and Amplification of Emission of Donor Peryleneâ€“Acceptor Perylene Aggregates in Aqueous Medium. Chemistry - A European Journal, 2014, 20, 3019-3022.	1.7	13
40	Complexation of Amyloid Fibrils with Charged Conjugated Polymers. Langmuir, 2014, 30, 3775-3786.	1.6	37
41	Effects of process parameters on the defects in graphene oxideâ€“polyaniline composites investigated by positron annihilation spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 3292.	1.3	21
42	A polyfluorene based zwitterionic fluorescent probe for response towards biological species in aqueous media. New Journal of Chemistry, 2014, 38, 3522-3528.	1.4	9
43	Fluorene-based chemodosimeter for â€œturn-onâ€•sensing of cyanide by hampering ESIPT and live cell imaging. Journal of Materials Chemistry B, 2014, 2, 4733.	2.9	54
44	One pot green synthesis of polyaniline coated gold nanorods and its applications. RSC Advances, 2014, 4, 57282-57289.	1.7	44
45	Aromatic bi-, tri- and tetracarboxylic acid doped polyaniline nanotubes: effect on morphologies and electrical transport properties. Journal of Materials Chemistry C, 2014, 2, 3382.	2.7	23
46	Star-shaped polyfluorene: Design, synthesis, characterization and application towards solar cells. European Polymer Journal, 2014, 52, 181-192.	2.6	22
47	Selective detection of cyanide by a polyfluorene-based organoboron fluorescent chemodosimeter. New Journal of Chemistry, 2013, 37, 3222.	1.4	16
48	Relaxation Dynamics and Morphology-Dependent Charge Transport in Benzene-Tetracarboxylic-Acid-Doped Polyaniline Nanostructures. Journal of Physical Chemistry C, 2013, 117, 22029-22040.	1.5	17
49	A Synergistic Coassembly of Block Copolymer and Fluorescent Probe in Thin Film for Fine-Tuning the Block Copolymer Morphology and Luminescence Property of the Probe Molecules. Macromolecules, 2013, 46, 484-492.	2.2	24
50	Suppression of Keto Defects and Thermal Stabilities of Polyfluoreneâ€“Kaolinite Clay Nanocomposites. Industrial & Engineering Chemistry Research, 2013, 52, 6722-6730.	1.8	15
51	Layered double hydroxide induced advancement in joint prosthesis using bone cement: the effect of metal substitution. Journal of Materials Chemistry B, 2013, 1, 2275.	2.9	23
52	Aggregation induced chirality in a self assembled perylene based hydrogel: application of the intracellular pH measurement. Journal of Materials Chemistry B, 2013, 1, 153-156.	2.9	52
53	Removal of toxic dyes from aqueous medium using adenine based bicomponent hydrogel. RSC Advances, 2013, 3, 1902-1915.	1.7	38
54	Oligonucleotide Tagging for Copper-Free Click Conjugation. Molecules, 2013, 18, 7346-7363.	1.7	27

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55	Conjugated Polyfluorene-based Reversible Fluorescent Sensor for Cu(II) and Cyanide Ions in Aqueous Medium. Chemistry Letters, 2013, 42, 1355-1357.	0.7	15
56	Lamination of Cationic Perylene in Montmorillonite Nano-Gallery: Induced J-Aggregated Nanostructure with Enhanced Photophysical and Thermogravimetric Aspect. Journal of Physical Chemistry C, 2012, 116, 21116-21123.	1.5	24
57	Benzene tetracarboxylic acid doped polyaniline nanostructures: morphological, spectroscopic and electrical characterization. Journal of Materials Chemistry, 2012, 22, 15665.	6.7	54
58	Graphene oxide/polyaniline nanostructures: transformation of 2D sheet to 1D nanotube and in situ reduction. Chemical Communications, 2012, 48, 10862.	2.2	82
59	Immobilization of poly(fluorene) within clay nanocomposite: An easy way to control keto defect. Journal of Colloid and Interface Science, 2012, 368, 172-180.	5.0	21
60	An all-organic steroidâ€“Dâ€“Ï€-A modular design drives ferroelectricity in supramolecular solids and nano-architectures at RT. Chemical Communications, 2011, 47, 8928.	2.2	12
61	Supramolecular hydrogels of adenine: morphological, structural and rheological investigations. Soft Matter, 2011, 7, 4234.	1.2	46
62	In situ preparation of fluorescent polyaniline nanotubes doped with perylene tetracarboxylic acids. Journal of Materials Chemistry, 2011, 21, 11098.	6.7	56
63	Intercalation of Perylenediimide Dye into LDH Clays: Enhancement of Photostability. Journal of Physical Chemistry C, 2011, 115, 1996-2004.	1.5	81
64	Assemblies of perylene diimide derivatives with melamine into luminescent hydrogels. Chemical Communications, 2011, 47, 11858.	2.2	73
65	Syndiotactic Polystyrene / Fullerene Composites: Elucidation of Structural Aspect. Macromolecular Symposia, 2011, 303, 56-62.	0.4	5
66	Creation of supramolecular assemblies from a dipolar dye molecule by the template effect of 1,3-glucan polysaccharide. Journal of Materials Chemistry, 2010, 20, 9022.	6.7	15
67	Nanoparticle-Induced Controlled Biodegradation and Its Mechanism in Poly(Îµ-caprolactone). ACS Applied Materials & Interfaces, 2010, 2, 69-81.	4.0	80
68	In-Situ Synthesis of Soluble Poly(3-hexylthiophene)/Multiwalled Carbon Nanotube Composite:Â Morphology, Structure, and Conductivity. Macromolecules, 2007, 40, 278-287.	2.2	144
69	Creation of 1D [60]fullerene superstructures and its polymerization by Î³-ray irradiation. Journal of Materials Chemistry, 2007, 17, 2454-2458.	6.7	29
70	Influence of alkyl chain length on the gelation mechanism of thermoreversible gels of regioregular poly(3-alkyl thiophenes) in xylene. Journal of Applied Polymer Science, 2007, 103, 2528-2537.	1.3	31
71	Pyridine-containing versatile gelators for post-modification of gel tissues toward construction of novel porphyrin nanotubes. Tetrahedron, 2007, 63, 7326-7333.	1.0	35
72	Thermodynamic and Structural Investigations on the Different Forms of Syndiotactic Polystyrene Intercalates. Macromolecules, 2006, 39, 1000-1007.	2.2	69

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73	Thermodynamics, Morphology, and Structure of the Poly(vinylidene fluoride)â^'Ethyl Acetoacetate System. Macromolecules, 2006, 39, 6110-6114.	2.2	24
74	Multiporous Material from Fibrillar Syndiotactic Polystyrene Intercalates. Macromolecules, 2006, 39, 5957-5959.	2.2	53
75	Thermoreversible gelation of poly[hexyl isocyanate]: Effect of solvent type. Polymer, 2006, 47, 5596-5601.	1.8	5
76	Transport properties of CdS nanowire embedded poly(3-hexyl thiophene) nanocomposite. Journal of Chemical Physics, 2006, 125, 174717.	1.2	13
77	Low Molecular Weight Organogelators from Self-assembling Synthetic Tripeptides With Coded Amino Acids: Morphological, Structural, Thermodynamic and Spectroscopic Investigations. Supramolecular Chemistry, 2006, 18, 645-655.	1.5	18
78	Thermoreversible Gelation of Syndiotactic Polystyrene in Naphthalene. Macromolecular Symposia, 2005, 222, 73-80.	0.4	3
79	Thermoreversible Gelation of Poly(vinylidene fluoride) - Camphor System. Macromolecular Symposia, 2005, 222, 175-180.	0.4	8
80	Syndiotactic Polystyrene/Naphthalene Intercalates:Â Preparing Thermoreversible Fibrillar Gels from a Solid Solvent. Macromolecules, 2005, 38, 4888-4893.	2.2	59
81	Thermodynamic Structural and Morphological Investigation of Poly(Vinylidene Fluoride)â^'Camphor Systems, Preparing Porous Gels from a Solid Solvent. Macromolecules, 2005, 38, 5602-5608.	2.2	26
82	Syndiotactic Polystyrene Intercalates from Naphthalene Derivatives. Macromolecules, 2005, 38, 6024-6030.	2.2	30
83	Thermodynamic and Structural Investigation of Thermoreversible Poly(3-dodecyl thiophene) Gels in the Three Isomers of Xylene. Journal of Physical Chemistry B, 2004, 108, 597-604.	1.2	31
84	CdS embedded poly(3-hexyl thiophene) nanowire: Synthesis and characterization. Journal of Materials Science Letters, 2003, 22, 1113-1115.	0.5	14
85	Thermoreversible Supramolecular Organization in Poly(vinylidene fluoride)â€"Dodecyl Benzene Sulfonic Acid Blends. Macromolecular Chemistry and Physics, 2003, 204, 1765-1770.	1.1	2
86	A synthetic tripeptide as a novel organo-gelator: a structural investigation. Tetrahedron Letters, 2003, 44, 4103-4107.	0.7	38
87	Thermoreversible gelation of poly(vinylidene fluoride)/poly(methyl acrylate) blends in diethyl azelate: a thermodynamic investigation. Polymer International, 2003, 52, 925-931.	1.6	2
88	A synthetic tripeptide as organogelator: elucidation of gelation mechanismElectronic supplementary information (ESI) available: the 500 MHz 1-D 1H NMR spectrum, the 500 MHz 1Hâ€"1H DQF COSY spectrum of the tripeptide in CDCl3 and the MALDI-MS spectrum of the tripeptide. See http://www.rsc.org/suppdata/p2/b1/b111598g/. Perkin Transactions II RSC, 2002, , 1177-1186.	1.1	41
89	Crystallization mechanism of regioregular poly(3-alkyl thiophene)s. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2073-2085.	2.4	241
90	Thermoreversible Gelation of Regioregular Poly(3-hexylthiophene) in Xylene. Macromolecules, 2001, 34, 275-282.	2.2	112