

Gurumurthy Hegde

List of Publications by Year in descending order

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3292
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous nanocarbon particles drive large magnitude and fast photomechanical actuators. Journal of Nanostructure in Chemistry, 2022, 12, 235-248.	9.1	9
2	An investigation on temperature-dependant surface properties of porous carbon nanoparticles derived from biomass. Journal of Nanostructure in Chemistry, 2022, 12, 495-511.	9.1	7
3	Recent advances in functionalization of carbon nanosurface structures for electrochemical sensing applications: tuning and turning. Journal of Nanostructure in Chemistry, 2022, 12, 441-466.	9.1	8
4	Surface engineering of silica based materials with Ni-Fe layered double hydroxide for the efficient removal of methyl orange: Isotherms, kinetics, mechanism and high selectivity studies. Chemosphere, 2022, 287, 131976.	8.2	40
5	Porous carbon nanoparticles dispersed nematic liquid crystal: influence of the particle size on electro-optical and dielectric parameters. Liquid Crystals, 2022, 49, 1223-1234.	2.2	5
6	Porous carbons derived from Arecanut seeds by direct pyrolysis for efficient CO ₂ capture. Emergent Materials, 2022, 5, 1757-1765.	5.7	5
7	Surface modulation and structural engineering of graphitic carbon nitride for electrochemical sensing applications. Journal of Nanostructure in Chemistry, 2022, 12, 765-807.	9.1	32
8	Geraniol and Citral as potential therapeutic agents targeting the HSP90 activity: An in silico and experimental approach. Phytochemistry, 2022, 195, 113058.	2.9	5
9	A facile and economic electrochemical sensor for methylmalonic acid: a potential biomarker for vitamin B12 deficiency. New Journal of Chemistry, 2022, 46, 4114-4125.	2.8	13
10	The influences of lateral groups on 4-cyanobiphenyl-benzonitrile- based dimers. Liquid Crystals, 2022, 49, 217-229.	2.2	2
11	Toxicological Profiling of Onion-Peel-Derived Mesoporous Carbon Nanospheres Using In Vivo Drosophila melanogaster Model. Applied Sciences (Switzerland), 2022, 12, 1528.	2.5	1
12	Electro fabrication of molecularly imprinted sensor based on Pd nanoparticles decorated poly-(3,4-ethylenedioxythiophene) (PEDOT) nanowires. Journal of Electroanalytical Chemistry, 2022, 852, 115700.	5.2	27
13	Detection of picric acid in industrial effluents using multifunctional green fluorescent B/N-carbon quantum dots. Journal of Environmental Chemical Engineering, 2022, 10, 107209.	6.7	23
14	Greenly synthesized porous carbon nanoparticle (bio-waste-based)-doped nematic liquid crystal composite with optimized electric and electro-optical properties for devices. Journal of the Society for Information Display, 2022, 30, 621-634.	2.1	2
15	Garlic peel based mesoporous carbon nanospheres for an effective removal of malachite green dye from aqueous solutions: Detailed isotherms and kinetics. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 276, 121197.	3.9	18
16	A road map on nanostructured surface tuning strategies of carbon fiber paper electrode: Enhanced electrocatalytic applications. Journal of Science: Advanced Materials and Devices, 2022, , 100460.	3.1	1
17	Facile synthesis of novel SrO _{0.5} :MnO _{0.5} bimetallic oxide nanostructure as a high-performance electrode material for supercapacitors. Nanomaterials and Nanotechnology, 2022, 12, 184798042110640.	3.0	17
18	Capacitive dominated charge storage in supermicropores of self-activated carbon electrodes for symmetric supercapacitors. Journal of Energy Storage, 2022, 52, 104776.	8.1	20

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19	Fast and effective removal of textile dyes from the wastewater using reusable porous nano-carbons: a study on adsorptive parameters and isotherms. Environmental Science and Pollution Research, 2022, 29, 79067-79081.	5.3	5
20	Influence of electrochemical co-deposition of bimetallic Pt-Pd nanoclusters on polypyrrole modified ITO for enhanced oxidation of 4-(hydroxymethyl) pyridine. RSC Advances, 2022, 12, 17036-17048.	3.6	6
21	Superior supercapacitance behavior of oxygen self-doped carbon nanospheres: a conversion of Allium cepa peel to energy storage system. Biomass Conversion and Biorefinery, 2021, 11, 1311-1323.	4.6	39
22	Octadecylamine-capped CdSe/ZnS quantum dot dispersed cholesteric liquid crystal for potential display application: Investigation on photoluminescence and UV absorbance. Liquid Crystals, 2021, 48, 579-587.	2.2	18
23	Effect of oil palm leaf-based carbon quantum dot on nematic liquid crystal and its electro-optical effects. Liquid Crystals, 2021, 48, 812-831.	2.2	16
24	Mesoporous carbon nanospheres derived from agro-waste as novel antimicrobial agents against gram-negative bacteria. Environmental Science and Pollution Research, 2021, 28, 13552-13561.	5.3	8
25	An aqueous phase TEMPO mediated electrooxidation of 2-thiophenemethanol using MnO ₂ -Pi dispersed nanocarbon spheres on a carbon fiber paper electrode. RSC Advances, 2021, 11, 2000-2009.	3.6	9
26	Recent Developments on Electrochemical Sensing Applications Using Vegetable Fiber Based Porous Carbon Materials. Composites Science and Technology, 2021, , 107-126.	0.6	0
27	Nitrogenated-carbon nanoelectrocatalyst advertently processed from bio-waste of Allium sativum for oxygen reduction reaction. Journal of Nanostructure in Chemistry, 2021, 11, 343-352.	9.1	13
28	Waste elimination to porous carbonaceous materials for the application of electrochemical sensors: Recent developments. Journal of Cleaner Production, 2021, 290, 125759.	9.3	23
29	Self-activated "green" carbon nanoparticles for symmetric solid-state supercapacitors. Journal of Materials Science, 2021, 56, 13271.	3.7	24
30	Polymer supported copper complexes/nanoparticles for treatment of environmental contaminants. Journal of Molecular Liquids, 2021, 330, 115668.	4.9	23
31	Liquid Crystals: Synthesis, Characterization and its Applications. Current Organic Synthesis, 2021, 18, 317-317.	1.3	1
32	Chiral Polymorphic Hydrazine-based Asymmetric Liquid Crystal Trimers with Resorcinol as Linking Group. Current Organic Synthesis, 2021, 18, 352-365.	1.3	1
33	Molecularly Imprinted Scaffold Based on poly (3-aminobenzoic acid) for Electrochemical Sensing of Vitamin B ₆ . Journal of the Electrochemical Society, 2021, 168, 077512.	2.9	22
34	Tuning and turning of the liquid crystal alignment by photosensitive composites. Liquid Crystals, 2021, 48, 2117-2129.	2.2	1
35	Fast liquid crystal light shutter with polymer stabilisation. Journal Physics D: Applied Physics, 2021, 54, 425301.	2.8	1
36	TEMPO mediated electrochemical oxidation of 4-pyridinemethanol using Pd and Pt Co-deposited polyaniline modified carbon fiber paper. Synthetic Metals, 2021, 279, 116858.	3.9	1

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37	Acacia auriculiformisâ€‘Derived Bimodal Porous Nanocarbons via Self-Activation for High-Performance Supercapacitors. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	6
38	Influence of linking units on the photo responsive studies of azobenzene liquid Crystals: Application in optical storage devices. <i>Journal of Molecular Liquids</i> , 2021, 339, 116744.	4.9	5
39	Azobenzene-based polycatenars: Investigation on photo switching properties and optical storage devices. <i>Journal of Molecular Liquids</i> , 2021, 341, 117341.	4.9	7
40	Biopolymer-based (nano)materials for supercapacitor applications. , 2021, , 609-671.		7
41	Electrochemical sensors using conducting polymer/noble metal nanoparticle nanocomposites for the detection of various analytes: a review. <i>Journal of Nanostructure in Chemistry</i> , 2021, 11, 1-31.	9.1	123
42	Effect of carbonaceous oil palm leaf quantum dot dispersion in nematic liquid crystal on zeta potential, optical texture and dielectric properties. <i>Journal of Nanostructure in Chemistry</i> , 2021, 11, 527-548.	9.1	18
43	Carbon nanomaterial properties help to enhance xylanase production from recombinant <i>Kluyveromyces lactis</i> through a cell immobilization method. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 8531-8544.	3.6	3
44	Recent advances in carbon nanotubes-based biocatalysts and their applications. <i>Advances in Colloid and Interface Science</i> , 2021, 297, 102542.	14.7	32
45	Evaluation of Photoswitching Properties for Hockey Stick-Shaped Mesogens Bearing Azo Benzene Moieties. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	2
46	A novel laccase-based biocatalyst for selective electro-oxidation of 2-thiophene methanol. <i>Molecular Catalysis</i> , 2021, 516, 111999.	2.0	5
47	Non-enzymatic electrochemical determination of salivary cortisol using ZnO-graphene nanocomposites. <i>RSC Advances</i> , 2021, 11, 37877-37885.	3.6	15
48	Acid Orange-7 uptake on spherical-shaped nanocarbons. <i>Nanomaterials and Nanotechnology</i> , 2021, 11, 184798042110550.	3.0	4
49	Roadmap of Effects of Biowaste-Synthesized Carbon Nanomaterials on Carbon Nano-Reinforced Composites. <i>Catalysts</i> , 2021, 11, 1485.	3.5	9
50	The Role of Temperature on Physicalâ€‘Chemical Properties of Green Synthesized Porous Carbon Nanoparticles. <i>Waste and Biomass Valorization</i> , 2020, 11, 3821-3831.	3.4	60
51	Costâ€‘effective bioâ€‘derived mesoporous carbon nanoparticlesâ€‘supported palladium catalyst for nitroarene reduction and Suzukiâ€‘Miyaura coupling by microwave approach. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5384.	3.5	15
52	ZnO for performance enhancement of surface plasmon resonance biosensor: a review. <i>Materials Research Express</i> , 2020, 7, 012003.	1.6	69
53	Efficient CO ₂ adsorption using mesoporous carbons from biowastes. <i>Materials Research Express</i> , 2020, 7, 015605.	1.6	10
54	Reviewâ€‘Biomass Derived Carbon Materials for Electrochemical Sensors. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037526.	2.9	64

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55	Low cost, catalyst free, high performance supercapacitors based on porous nano carbon derived from agriculture waste. Journal of Energy Storage, 2020, 32, 101829.	8.1	81
56	Unique Host Matrix to Disperse Pd Nanoparticles for Electrochemical Sensing of Morin: Sustainable Engineering Approach. ACS Biomaterials Science and Engineering, 2020, 6, 5264-5273.	5.2	18
57	Emergence of nanomaterials as potential immobilization supports for whole cell biocatalysts and cell toxicity effects. Biotechnology and Applied Biochemistry, 2020, , .	3.1	6
58	Supramolecular Self-Assembly Properties of Metallo-ionic Phthalocyanines Constituting Regioisomers. ChemistrySelect, 2020, 5, 10106-10113.	1.5	2
59	A sustainable technique to solve growing energy demand: porous carbon nanoparticles as electrode materials for high-performance supercapacitors. Journal of Applied Electrochemistry, 2020, 50, 1243-1255.	2.9	24
60	Synthesis of Sustainable Carbon Nanospheres from Natural Bioresources and Their Diverse Applications. ACS Symposium Series, 2020, , 393-420.	0.5	3
61	P”: Investigation of photoluminescence and birefringence of nanoparticles dispersed nematic liquid crystal and its application towards liquid crystal display and optoelectronic devices. Digest of Technical Papers SID International Symposium, 2020, 51, 1938-1940.	0.3	0
62	MnO₂ Nanoclusters Decorated on GrapheneModified Pencil Graphite Electrode for Non&#Enzymatic Determination of Cholesterol. Electroanalysis, 2020, 32, 2128-2136.	2.9	18
63	TEMPO mediated electrocatalytic oxidation of pyridyl carbinol using palladium nanoparticles dispersed on biomass derived porous nanoparticles. Electrochimica Acta, 2020, 354, 136624.	5.2	23
64	Cu Nano-Roses Self-Assembly from Allium cepa, L., Pyrolysis by Green Synthesis of C Nanostructures. Applied Sciences (Switzerland), 2020, 10, 3819.	2.5	3
65	Investigation of electro-optical and dielectric properties of nematic liquid crystal dispersed with biowaste based porous carbon nanoparticles: Increased birefringence for display applications. Journal of Molecular Liquids, 2020, 314, 113643.	4.9	19
66	Influence of inter- and intramolecular H-bonding on the mesomorphic and photoswitching behaviour of (E)-4-((4-(hexyloxy)phenyl)diazenyl)-N-phenyl benzamides. RSC Advances, 2020, 10, 20222-20230.	3.6	6
67	Influence of surface properties on electro&#chemical supercapacitors utilizing <i>Callerya atropurpurea</i> pod derived porous nanocarbons: Structure property relationship between porous structures to energy storage devices. Nano Select, 2020, 1, 226-243.	3.7	37
68	Time-resolved fluorescence and UV absorbance study on Elaeis guineensis/oil palm leaf based carbon nanoparticles doped in nematic liquid crystals. Journal of Molecular Liquids, 2020, 304, 112773.	4.9	11
69	Effective tuning of optical storage devices using photosensitive bent-core liquid crystals. Journal of Molecular Liquids, 2020, 304, 112719.	4.9	22
70	Electrochemical Tracing of Butein Using Carbon Nanoparticles Interfaced Electrode Processed from Biowaste. Electroanalysis, 2020, 32, 1220-1225.	2.9	11
71	Influence of alkyl and alkoxy groups on photoresponsive behaviour of bent-core azo mesogens: Synthesis, mesomorphic and photoswitching properties. Journal of Molecular Liquids, 2020, 309, 113091.	4.9	11
72	Influence of lateral methyl/chloro substituents on the liquid crystalline and photoswitching behaviour of bent-core mesogens bearing azobenzene wings: synthesis and characterization. New Journal of Chemistry, 2020, 44, 5731-5738.	2.8	7

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73	MnO ₂ -Pi on Biomass Derived Porous Carbon for Electro-Catalytic Oxidation of Pyridyl Carbinol. Journal of the Electrochemical Society, 2020, 167, 155513.	2.9	10
74	Meet Our Executive Guest Editor. Current Organic Synthesis, 2020, 17, 497-497.	1.3	0
75	Non-Enzymatic Electrochemical Determination of Progesterone Using Carbon Nanospheres from Onion Peels Coated on Carbon Fiber Paper. Journal of the Electrochemical Society, 2019, 166, B1097-B1106.	2.9	66
76	Synthesis, liquid crystalline properties and photo switching properties of coumarin-azo bearing aliphatic chains: Application in optical storage devices. Journal of Molecular Liquids, 2019, 292, 111328.	4.9	42
77	Fast Responsive Soft Bio-mimetic Robotic Actuators. Materials Today: Proceedings, 2019, 15, 300-308.	1.8	4
78	Characterization of MWCNT-PEDOT: PSS Nanocomposite Flexible Thin Film for Piezoresistive Strain Sensing Application. Advances in Polymer Technology, 2019, 2019, 1-9.	1.7	13
79	Enhanced tensile properties of novel bio-waste synthesized carbon particle reinforced composites. Materials Letters, 2019, 251, 110-113.	2.6	7
80	Investigation of dielectric and electro-optical properties of nematic liquid crystal with the suspension of biowaste-based porous carbon nanoparticles. Liquid Crystals, 2019, 46, 1808-1820.	2.2	20
81	Synthesis of carbon nanospheres and piezoresistive study of carbon nanospheres-PEDOT:PSS nanocomposite flexible thin film for strain sensing applications. Materials Research Express, 2019, 6, 076408.	1.6	6
82	Photoresponsive behavior of hydrophilic/hydrophobic-based novel azobenzene mesogens: synthesis, characterization and their application in optical storage devices. RSC Advances, 2019, 9, 40588-40606.	3.6	13
83	Carbon nanospheres obtained from carbonization of bio-resource: A catalyst free synthesis. Materials Today: Proceedings, 2018, 5, 2907-2911.	1.8	11
84	Fabrication of carbon nanospheres using natural resources and their voltametric studies of dopamine. Materials Today: Proceedings, 2018, 5, 3093-3098.	1.8	4
85	Differential Antifungal Efficiency of Geraniol and Citral. Natural Product Communications, 2018, 13, 1934578X1801301.	0.5	5
86	Synthesis of a biocompatible nanoporous carbon and its conjugation with florescent dye for cellular imaging and targeted drug delivery to cancer cells. New Carbon Materials, 2018, 33, 162-172.	6.1	26
87	Periodic pattern formation in an achiral bent core nematic. AIP Advances, 2018, 8, .	1.3	2
88	Activated carbon nanoparticles from biowaste as new generation antimicrobial agents: A review. Nano Structures Nano Objects, 2018, 16, 306-321.	3.5	56
89	Essential oil from Cymbopogon flexuosus as the potential inhibitor for HSP90. Toxicology Reports, 2018, 5, 489-496.	3.3	17
90	Conjugated systems of porphyrin-carbon nanoallotropes: a review. New Journal of Chemistry, 2018, 42, 12328-12348.	2.8	35

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91	Electrochemical Determination of Nitrite Using Catalyst Free Mesoporous Carbon Nanoparticles from Bio Renewable <i>Areca nut</i> Seeds. Journal of the Electrochemical Society, 2018, 165, H614-H619.	2.9	40
92	Considerations on the Thermophysical Properties of Nanofluids. Topics in Mining, Metallurgy and Materials Engineering, 2017, , 33-70.	1.6	6
93	Effect of calcination temperature on Cu doped NiO nanoparticles prepared via wet-chemical method: Structural, optical and morphological studies. Materials Science in Semiconductor Processing, 2017, 66, 149-156.	4.0	82
94	Synthesis of Carbon Nanospheres Through Carbonization of <i>Areca nut</i>. Journal of Nanoscience and Nanotechnology, 2017, 17, 2837-2842.	0.9	16
95	Natural biowaste of Groundnut shell derived nano carbons: Synthesis, characterization and its in vitro antibacterial activity. Nano Structures Nano Objects, 2017, 12, 84-90.	3.5	58
96	Carbon nanospheres derived from Lablab purpureus for high performance supercapacitor electrodes: a green approach. Dalton Transactions, 2017, 46, 14034-14044.	3.3	84
97	Functionalized Carbon Nano-scale Drug Delivery Systems From Biowaste Sago Bark For Cancer Cell Imaging. Current Drug Delivery, 2017, 14, 1071-1077.	1.6	17
98	Multi-targeting Andrographolide and its Natural Analogs as Potential Therapeutic Agents. Current Topics in Medicinal Chemistry, 2017, 17, 845-857.	2.1	55
99	Role of the order parameter, electric field, and geometric confinement on the dynamics of the photoinduced Nematic-Isotropic transition. , 2017, , .		0
100	Photoisomerization behavior of photochromic amide-based azobenzene dyes exhibiting H-bonding effect: Synthesis and characterization. Korean Journal of Chemical Engineering, 2016, 33, 1480-1488.	2.7	4
101	Superior supercapacitive performance in porous nanocarbons. Journal of Energy Chemistry, 2016, 25, 734-739.	12.9	71
102	Development and validation of reverse phase high performance liquid chromatography for citral analysis from essential oils. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1036-1037, 50-56.	2.3	14
103	Low cost, high performance supercapacitor electrode using coconut wastes: eco-friendly approach. Journal of Energy Chemistry, 2016, 25, 880-887.	12.9	73
104	Polar flexoelectric in-plane and out-of-plane switching in bent core nematic mixtures. Japanese Journal of Applied Physics, 2016, 55, 071701.	1.5	8
105	A facile and green strategy for the synthesis of Au, Ag and Au@Ag alloy nanoparticles using aerial parts of R. hypocrateriformis extract and their biological evaluation. Enzyme and Microbial Technology, 2016, 95, 174-184.	3.2	77
106	Synthesis and liquid crystalline behaviour of substituted (E)-phenyl-4-(phenyldiazenyl) benzoate derivatives and their photo switching ability. Liquid Crystals, 2016, 43, 1578-1588.	2.2	31
107	Sulfuric disazo dye stabilized copper nanoparticle composite mixture: synthesis and characterization. RSC Advances, 2016, 6, 15094-15100.	3.6	10
108	Self-assembly of thiocyanine dyes in water for the synthesis of active hybrid nanofibres. Liquid Crystals, 2016, 43, 473-483.	2.2	10

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109	A New Approach towards Improving the Specific Energy and Specific Power of a Carbon-Based Supercapacitor using Platinum-Nanoparticles on Etched Stainless Steel Current Collector. <i>Electrochemistry</i> , 2015, 83, 1053-1060.	1.4	9
110	Fast Photoswitching Azo Dyes. <i>Macromolecular Symposia</i> , 2015, 353, 240-245.	0.7	7
111	Light Sensitive Molecule for Photonic Devices. <i>Macromolecular Symposia</i> , 2015, 353, 115-120.	0.7	2
112	Polyvinyl alcohol/polysaccharide hydrogel graft materials for arsenic and heavy metal removal. <i>New Journal of Chemistry</i> , 2015, 39, 5823-5832.	2.8	33
113	New para-substituted non-symmetric isoflavones for their fast photo-switching ability: Synthesis and their liquid crystal characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 1115-1122.	3.9	14
114	Catalyst-free synthesis of carbon nanospheres for potential biomedical applications: waste to wealth approach. <i>RSC Advances</i> , 2015, 5, 24528-24533.	3.6	22
115	Biowaste Sago Bark Based Catalyst Free Carbon Nanospheres: Waste to Wealth Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2247-2253.	6.7	111
116	Enhancement of surface properties using new annealing technique for ITO thin films. <i>Surface Engineering</i> , 2015, 31, 502-506.	2.2	2
117	Activated carbon nanospheres derived from bio-waste materials for supercapacitor applications – a review. <i>RSC Advances</i> , 2015, 5, 88339-88352.	3.6	168
118	Polarity dependent photoisomerization of ether substituted azodyes: Synthesis and photoswitching behavior. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 875-880.	3.9	6
119	Photo tuning of thiophene-2,5-dicarbohydrazide derivatives for their photoalignment ability-molecular modelling studies. <i>RSC Advances</i> , 2015, 5, 79800-79806.	3.6	4
120	Synthesis, liquid crystal characterization and photo-switching studies on fluorine substituted azobenzene based esters. <i>RSC Advances</i> , 2015, 5, 6279-6285.	3.6	32
121	Oil thermal annealed nano-structured indium tin oxide thin films for display applications. <i>Journal of the Society for Information Display</i> , 2014, 22, 187-190.	2.1	0
122	Synthesis and Characterization of Naphthalene-Based Banana-Shaped Liquid Crystals for Photoswitching Properties. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 571-577.	1.4	8
123	Synthesis, Characterization and Electrical Conductance of Ferrocenylazobenzene. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 604, 142-150.	0.9	1
124	Biocomposite polymer embedded with light-sensitive molecules for plastic displays. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
125	Light Induced Properties of Chalcones Correlated with Molecular Structure and Photophysical Properties for Permanent Optical Storage Device. <i>Advanced Materials Research</i> , 2014, 1033-1034, 1149-1153.	0.3	6
126	High performance supercapacitor using catalysis free porous carbon nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 495307.	2.8	64

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127	Improving the Structural, Optical and Electrical Properties of ITO Nano-Layered Thin Films by Gas Flow Argon. Advanced Materials Research, 2014, 974, 116-120.	0.3	0
128	Click chemistry approach: Regioselective one-pot synthesis of some new 8-trifluoromethylquinoline based 1,2,3-triazoles as potent antimicrobial agents. European Journal of Medicinal Chemistry, 2014, 74, 324-332.	5.5	70
129	Synthesis and biological evaluation of novel substituted 1,3,4-thiadiazole and 2,6-di aryl substituted imidazo [2,1-b] [1,3,4] thiadiazole derivatives. European Journal of Medicinal Chemistry, 2014, 71, 316-323.	5.5	51
130	Synthesis and photoswitching properties of azobenzene liquid crystals with a pentafluorobenzene terminal. Chinese Chemical Letters, 2014, 25, 1611-1614.	9.0	8
131	Catalyst free silica templated porous carbon nanoparticles from bio-waste materials. Chemical Communications, 2014, 50, 12702-12705.	4.1	77
132	Aliphatic/aromatic spacers based azo dye dimers: synthesis and application for optical storage devices. RSC Advances, 2014, 4, 50811-50818.	3.6	22
133	BIOCOMPATIBLE POLYMER EMBEDDED IN LIGHT-SENSITIVE MATERIALS: INVESTIGATION OF STRUCTURAL PROPERTIES. International Journal of Automotive and Mechanical Engineering, 2014, 10, 2025-2033.	0.9	3
134	Nanoscale engineering of photo aligning Cibacron Brilliant Yellow. Journal of the Society for Information Display, 2013, 21, 486-490.	2.1	4
135	New pyrimidine-based photo-switchable bent-core liquid crystals. New Journal of Chemistry, 2013, 37, 2460.	2.8	39
136	Alignment and alignment transition of bent core nematics. Applied Physics Letters, 2013, 103, .	3.3	9
137	Synthesis of Banana-Shaped Liquid Crystals for Photoswitching Properties. Molecular Crystals and Liquid Crystals, 2013, 587, 41-53.	0.9	19
138	Synthesis and characterization of liquid crystalline azobenzene chromophores with fluorobenzene terminal. Journal of Fluorine Chemistry, 2013, 156, 230-235.	1.7	26
139	Azo containing thiophene based prop-2-enoates for photoalignment of a nematic liquid crystal. Journal of Materials Chemistry C, 2013, 1, 3600.	5.5	27
140	Field-induced optically isotropic state in bent core nematic liquid crystals: unambiguous proof of field-induced optical biaxiality. Journal Physics D: Applied Physics, 2013, 46, 455101.	2.8	9
141	Optically isotropic state in bent core nematic mixtures with rod like molecules induced by direct current electric field. Applied Physics Letters, 2013, 103, 163501.	3.3	3
142	Light-control of liquid crystal alignment from vertical to planar. Applied Physics Letters, 2013, 102, .	3.3	5
143	FAST SWITCHING LIQUID CRYSTAL DISPLAYS. , 2013, , 529-558.		1
144	Radial Basis Function Neural Network Model for Optimizing Thermal Annealing Process Operating Condition. Nano Hybrids, 2013, 4, 21-31.	0.3	2

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145	3-Methyl-4-[(E)-[4-(methylsulfanyl)benzylidene]amino]-1H-1,2,4-triazole-5(4H)-thione. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o718-o719.	0.2	3
146	4-Amino-3-(3-methoxybenzyl)-1H-1,2,4-triazole-5(4H)-thione. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o728-o728.	0.2	1
147	Nano-Engineering of New Photoreactive Materials Having Fluorine Units: Synthesis and Photoalignment of Liquid Crystals. Soft Nanoscience Letters, 2013, 03, 1-6.	0.8	4
148	2-(8-Bromoimidazo[1,2-a]pyridin-2-yl)-N-[(E)-4-diethylamino-2-hydroxybenzylidene]acetohydrazide dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o816-o817.	0.2	0
149	Ethyl 1-(2,4-dichlorobenzyl)-4-oxo-7-trifluoromethyl-1,4-dihydroquinoline-3-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o435-o436.	0.2	1
150	4-[(E)-2-[4-(But-3-en-1-yloxy)phenyl]diazene-1-yl]benzoic acid. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2958-o2958.	0.2	1
151	1-[4-(Prop-2-en-1-yloxy)benzyl]-2-[4-(prop-2-en-1-yloxy)phenyl]-1H-benzimidazole. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3311-o3312.	0.2	1
152	Fast switching liquid crystal display modes. , 2012, , .		1
153	P-106: Future Generation Ultra-Fast Liquid Crystal Light Shutters. Digest of Technical Papers SID International Symposium, 2012, 43, 1459-1461.	0.3	0
154	Synthesis, characterization and antimicrobial studies of some new quinoline incorporated benzimidazole derivatives. European Journal of Medicinal Chemistry, 2012, 54, 900-906.	5.5	62
155	Exploring the mesomorphic potential of 2,4-disubstituted thiophenes: a structureâ€“property study. Liquid Crystals, 2011, 38, 207-232.	2.2	10
156	Pâ€“127: Fast Liquid Crystal Light Shutter. Digest of Technical Papers SID International Symposium, 2011, 42, 1587-1589.	0.3	2
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