

Gurumurthy Hegde

List of Publications by Year in descending order

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docs citations

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times ranked

3681
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. | 5.3 | 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. | 5.3 | 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. | 5.3 | 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. | 4.2 | 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. | 0.9 | 5 |
| 6 | Porous carbons derived from Arecanut seeds by direct pyrolysis for efficient CO2 capture. Emergent Materials, 2022, 5, 1757-1765. | 3.2 | 5 |
| 7 | Surface modulation and structural engineering of graphitic carbon nitride for electrochemical sensing applications. Journal of Nanostructure in Chemistry, 2022, 12, 765-807. | 5.3 | 32 |
| 8 | Geraniol and Citral as potential therapeutic agents targeting the HSP90 activity: An in silico and experimental approach. Phytochemistry, 2022, 195, 113058. | 1.4 | 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. | 1.4 | 13 |
| 10 | The influences of lateral groups on 4-cyanobiphenyl-benzonitrile- based dimers. Liquid Crystals, 2022, 49, 217-229. | 0.9 | 2 |
| 11 | Toxicological Profiling of Onion-Peel-Derived Mesoporous Carbon Nanospheres Using In Vivo Drosophila melanogaster Model. Applied Sciences (Switzerland), 2022, 12, 1528. | 1.3 | 1 |
| 12 | Electro fabrication of molecularly imprinted sensor based on Pd nanoparticles decorated poly-(3-Tyrosine) on carbon nanotubes. Journal of Electroanalytical Chemistry, 2022, 850, 398-405. | 2.6 | 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. | 3.3 | 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. | 0.8 | 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. | 2.0 | 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. | 1.5 | 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. | 1.2 | 17 |
| 18 | Capacitive dominated charge storage in supermicropores of self-activated carbon electrodes for symmetric supercapacitors. Journal of Energy Storage, 2022, 52, 104776. | 3.9 | 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. <i>Environmental Science and Pollution Research</i> , 2022, 29, 79067-79081. | 2.7 | 5 |
| 20 | Influence of electrochemical co-deposition of bimetallic Pt-Pd nanoclusters on polypyrrole modified ITO for enhanced oxidation of 4-(hydroxymethyl) pyridine. <i>RSC Advances</i> , 2022, 12, 17036-17048. | 1.7 | 6 |
| 21 | Superior supercapacitance behavior of oxygen self-doped carbon nanospheres: a conversion of Allium cepa peel to energy storage system. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1311-1323. | 2.9 | 39 |
| 22 | Octadecylamine-capped CdSe/ZnS quantum dot dispersed cholesteric liquid crystal for potential display application: Investigation on photoluminescence and UV absorbance. <i>Liquid Crystals</i> , 2021, 48, 579-587. | 0.9 | 18 |
| 23 | Effect of oil palm leaf-based carbon quantum dot on nematic liquid crystal and its electro-optical effects. <i>Liquid Crystals</i> , 2021, 48, 812-831. | 0.9 | 16 |
| 24 | Mesoporous carbon nanospheres derived from agro-waste as novel antimicrobial agents against gram-negative bacteria. <i>Environmental Science and Pollution Research</i> , 2021, 28, 13552-13561. | 2.7 | 8 |
| 25 | An aqueous phase TEMPO mediated electrooxidation of 2-thiophenemethanol using MnO ₂ dispersed nanocarbon spheres on a carbon fiber paper electrode. <i>RSC Advances</i> , 2021, 11, 2000-2009. | 1.7 | 9 |
| 26 | Recent Developments on Electrochemical Sensing Applications Using Vegetable Fiber Based Porous Carbon Materials. <i>Composites Science and Technology</i> , 2021, , 107-126. | 0.4 | 0 |
| 27 | Nitrogenated-carbon nanoelectrocatalyst advertently processed from bio-waste of Allium sativum for oxygen reduction reaction. <i>Journal of Nanostructure in Chemistry</i> , 2021, 11, 343-352. | 5.3 | 13 |
| 28 | Waste elimination to porous carbonaceous materials for the application of electrochemical sensors: Recent developments. <i>Journal of Cleaner Production</i> , 2021, 290, 125759. | 4.6 | 23 |
| 29 | Self-activated "green" carbon nanoparticles for symmetric solid-state supercapacitors. <i>Journal of Materials Science</i> , 2021, 56, 13271. | 1.7 | 24 |
| 30 | Polymer supported copper complexes/nanoparticles for treatment of environmental contaminants. <i>Journal of Molecular Liquids</i> , 2021, 330, 115668. | 2.3 | 23 |
| 31 | Liquid Crystals: Synthesis, Characterization and its Applications. <i>Current Organic Synthesis</i> , 2021, 18, 317-317. | 0.7 | 1 |
| 32 | Chiral Polymorphic Hydrazine-based Asymmetric Liquid Crystal Trimers with Resorcinol as Linking Group. <i>Current Organic Synthesis</i> , 2021, 18, 352-365. | 0.7 | 1 |
| 33 | Molecularly Imprinted Scaffold Based on poly (3-aminobenzoic acid) for Electrochemical Sensing of Vitamin B ₆ . <i>Journal of the Electrochemical Society</i> , 2021, 168, 077512. | 1.3 | 22 |
| 34 | Tuning and turning of the liquid crystal alignment by photosensitive composites. <i>Liquid Crystals</i> , 2021, 48, 2117-2129. | 0.9 | 1 |
| 35 | Fast liquid crystal light shutter with polymer stabilisation. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 425301. | 1.3 | 1 |
| 36 | TEMPO mediated electrochemical oxidation of 4-pyridinemethanol using Pd and Pt Co-deposited polyaniline modified carbon fiber paper. <i>Synthetic Metals</i> , 2021, 279, 116858. | 2.1 | 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, . | 1.2 | 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. | 2.3 | 5 |
| 39 | Azobenzene-based polycatenars: Investigation on photo switching properties and optical storage devices. <i>Journal of Molecular Liquids</i> , 2021, 341, 117341. | 2.3 | 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. | 5.3 | 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. | 5.3 | 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. | 1.7 | 3 |
| 44 | Recent advances in carbon nanotubes-based biocatalysts and their applications. <i>Advances in Colloid and Interface Science</i> , 2021, 297, 102542. | 7.0 | 32 |
| 45 | Evaluation of Photoswitching Properties for Hockey Stick-Shaped Mesogens Bearing Azo Benzene Moieties. <i>Frontiers in Physics</i> , 2021, 9, . | 1.0 | 2 |
| 46 | A novel laccase-based biocatalyst for selective electro-oxidation of 2-thiophene methanol. <i>Molecular Catalysis</i> , 2021, 516, 111999. | 1.0 | 5 |
| 47 | Non-enzymatic electrochemical determination of salivary cortisol using ZnO-graphene nanocomposites. <i>RSC Advances</i> , 2021, 11, 37877-37885. | 1.7 | 15 |
| 48 | Acid Orange-7 uptake on spherical-shaped nanocarbons. <i>Nanomaterials and Nanotechnology</i> , 2021, 11, 184798042110550. | 1.2 | 4 |
| 49 | Roadmap of Effects of Biowaste-Synthesized Carbon Nanomaterials on Carbon Nano-Reinforced Composites. <i>Catalysts</i> , 2021, 11, 1485. | 1.6 | 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. | 1.8 | 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. | 1.7 | 15 |
| 52 | ZnO for performance enhancement of surface plasmon resonance biosensor: a review. <i>Materials Research Express</i> , 2020, 7, 012003. | 0.8 | 69 |
| 53 | Efficient CO ₂ adsorption using mesoporous carbons from biowastes. <i>Materials Research Express</i> , 2020, 7, 015605. | 0.8 | 10 |
| 54 | Reviewâ€‘Biomass Derived Carbon Materials for Electrochemical Sensors. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037526. | 1.3 | 64 |

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| 55 | Low cost, catalyst free, high performance supercapacitors based on porous nano carbon derived from agriculture waste. <i>Journal of Energy Storage</i> , 2020, 32, 101829. | 3.9 | 81 |
| 56 | Unique Host Matrix to Disperse Pd Nanoparticles for Electrochemical Sensing of Morin: Sustainable Engineering Approach. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5264-5273. | 2.6 | 18 |
| 57 | Emergence of nanomaterials as potential immobilization supports for whole cell biocatalysts and cell toxicity effects. <i>Biotechnology and Applied Biochemistry</i> , 2020, , . | 1.4 | 6 |
| 58 | Supramolecular Self-Assembly Properties of Metallo-ionic Phthalocyanines Constituting Regioisomers. <i>ChemistrySelect</i> , 2020, 5, 10106-10113. | 0.7 | 2 |
| 59 | A sustainable technique to solve growing energy demand: porous carbon nanoparticles as electrode materials for high-performance supercapacitors. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 1243-1255. | 1.5 | 24 |
| 60 | Synthesis of Sustainable Carbon Nanospheres from Natural Bioresources and Their Diverse Applications. <i>ACS Symposium Series</i> , 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. <i>Digest of Technical Papers SID International Symposium</i> , 2020, 51, 1938-1940. | 0.1 | 0 |
| 62 | MnO ₂ Nanoclusters Decorated on Graphene Modified Pencil Graphite Electrode for Non-Enzymatic Determination of Cholesterol. <i>Electroanalysis</i> , 2020, 32, 2128-2136. | 1.5 | 18 |
| 63 | TEMPO mediated electrocatalytic oxidation of pyridyl carbinol using palladium nanoparticles dispersed on biomass derived porous nanoparticles. <i>Electrochimica Acta</i> , 2020, 354, 136624. | 2.6 | 23 |
| 64 | Cu Nano-Roses Self-Assembly from <i>Allium cepa</i> , L., Pyrolysis by Green Synthesis of C Nanostructures. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3819. | 1.3 | 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. <i>Journal of Molecular Liquids</i> , 2020, 314, 113643. | 2.3 | 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. <i>RSC Advances</i> , 2020, 10, 20222-20230. | 1.7 | 6 |
| 67 | Influence of surface properties on electrochemical supercapacitors utilizing <i>Callerya atropurpurea</i> pod derived porous nanocarbons: Structure property relationship between porous structures to energy storage devices. <i>Nano Select</i> , 2020, 1, 226-243. | 1.9 | 37 |
| 68 | Time-resolved fluorescence and UV absorbance study on <i>Elaeis guineensis</i> /oil palm leaf based carbon nanoparticles doped in nematic liquid crystals. <i>Journal of Molecular Liquids</i> , 2020, 304, 112773. | 2.3 | 11 |
| 69 | Effective tuning of optical storage devices using photosensitive bent-core liquid crystals. <i>Journal of Molecular Liquids</i> , 2020, 304, 112719. | 2.3 | 22 |
| 70 | Electrochemical Tracing of Butein Using Carbon Nanoparticles Interfaced Electrode Processed from Biowaste. <i>Electroanalysis</i> , 2020, 32, 1220-1225. | 1.5 | 11 |
| 71 | Influence of alkyl and alkoxy groups on photoresponsive behaviour of bent-core azo mesogens: Synthesis, mesomorphic and photoswitching properties. <i>Journal of Molecular Liquids</i> , 2020, 309, 113091. | 2.3 | 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. <i>New Journal of Chemistry</i> , 2020, 44, 5731-5738. | 1.4 | 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. | 1.3 | 10 |
| 74 | Meet Our Executive Guest Editor. Current Organic Synthesis, 2020, 17, 497-497. | 0.7 | 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. | 1.3 | 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. | 2.3 | 42 |
| 77 | Fast Responsive Soft Bio-mimetic Robotic Actuators. Materials Today: Proceedings, 2019, 15, 300-308. | 0.9 | 4 |
| 78 | Characterization of MWCNT-PEDOT: PSS Nanocomposite Flexible Thin Film for Piezoresistive Strain Sensing Application. Advances in Polymer Technology, 2019, 2019, 1-9. | 0.8 | 13 |
| 79 | Enhanced tensile properties of novel bio-waste synthesized carbon particle reinforced composites. Materials Letters, 2019, 251, 110-113. | 1.3 | 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. | 0.9 | 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. | 0.8 | 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. | 1.7 | 13 |
| 83 | Carbon nanospheres obtained from carbonization of bio-resource: A catalyst free synthesis. Materials Today: Proceedings, 2018, 5, 2907-2911. | 0.9 | 11 |
| 84 | Fabrication of carbon nanospheres using natural resources and their voltametric studies of dopamine. Materials Today: Proceedings, 2018, 5, 3093-3098. | 0.9 | 4 |
| 85 | Differential Antifungal Efficiency of Geraniol and Citral. Natural Product Communications, 2018, 13, 1934578X1801301. | 0.2 | 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. | 2.9 | 26 |
| 87 | Periodic pattern formation in an achiral bent core nematic. AIP Advances, 2018, 8, . | 0.6 | 2 |
| 88 | Activated carbon nanoparticles from biowaste as new generation antimicrobial agents: A review. Nano Structures Nano Objects, 2018, 16, 306-321. | 1.9 | 56 |
| 89 | Essential oil from Cymbopogon flexuosus as the potential inhibitor for HSP90. Toxicology Reports, 2018, 5, 489-496. | 1.6 | 17 |
| 90 | Conjugated systems of porphyrin-carbon nanoallotropes: a review. New Journal of Chemistry, 2018, 42, 12328-12348. | 1.4 | 35 |

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| 91 | Electrochemical Determination of Nitrite Using Catalyst Free Mesoporous Carbon Nanoparticles from Bio Renewable Areca nut Seeds. Journal of the Electrochemical Society, 2018, 165, H614-H619. | 1.3 | 40 |
| 92 | Considerations on the Thermophysical Properties of Nanofluids. Topics in Mining, Metallurgy and Materials Engineering, 2017, , 33-70. | 1.4 | 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. | 1.9 | 82 |
| 94 | Synthesis of Carbon Nanospheres Through Carbonization of Areca nut. 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. | 1.9 | 58 |
| 96 | Carbon nanospheres derived from Lablab purpureus for high performance supercapacitor electrodes: a green approach. Dalton Transactions, 2017, 46, 14034-14044. | 1.6 | 84 |
| 97 | Functionalized Carbon Nano-scale Drug Delivery Systems From Biowaste Sago Bark For Cancer Cell Imaging. Current Drug Delivery, 2017, 14, 1071-1077. | 0.8 | 17 |
| 98 | Multi-targeting Andrographolide and its Natural Analogs as Potential Therapeutic Agents. Current Topics in Medicinal Chemistry, 2017, 17, 845-857. | 1.0 | 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. | 1.2 | 4 |
| 101 | Superior supercapacitive performance in porous nanocarbons. Journal of Energy Chemistry, 2016, 25, 734-739. | 7.1 | 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. | 1.2 | 14 |
| 103 | Low cost, high performance supercapacitor electrode using coconut wastes: eco-friendly approach. Journal of Energy Chemistry, 2016, 25, 880-887. | 7.1 | 73 |
| 104 | Polar flexoelectric in-plane and out-of-plane switching in bent core nematic mixtures. Japanese Journal of Applied Physics, 2016, 55, 071701. | 0.8 | 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. | 1.6 | 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. | 0.9 | 31 |
| 107 | Sulfuric disazo dye stabilized copper nanoparticle composite mixture: synthesis and characterization. RSC Advances, 2016, 6, 15094-15100. | 1.7 | 10 |
| 108 | Self-assembly of thiocyanine dyes in water for the synthesis of active hybrid nanofibres. Liquid Crystals, 2016, 43, 473-483. | 0.9 | 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. | 0.6 | 9 |
| 110 | Fast Photoswitching Azo Dyes. <i>Macromolecular Symposia</i> , 2015, 353, 240-245. | 0.4 | 7 |
| 111 | Light Sensitive Molecule for Photonic Devices. <i>Macromolecular Symposia</i> , 2015, 353, 115-120. | 0.4 | 2 |
| 112 | Polyvinyl alcohol/polysaccharide hydrogel graft materials for arsenic and heavy metal removal. <i>New Journal of Chemistry</i> , 2015, 39, 5823-5832. | 1.4 | 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. | 2.0 | 14 |
| 114 | Catalyst-free synthesis of carbon nanospheres for potential biomedical applications: waste to wealth approach. <i>RSC Advances</i> , 2015, 5, 24528-24533. | 1.7 | 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. | 3.2 | 111 |
| 116 | Enhancement of surface properties using new annealing technique for ITO thin films. <i>Surface Engineering</i> , 2015, 31, 502-506. | 1.1 | 2 |
| 117 | Activated carbon nanospheres derived from bio-waste materials for supercapacitor applications – a review. <i>RSC Advances</i> , 2015, 5, 88339-88352. | 1.7 | 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. | 2.0 | 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. | 1.7 | 4 |
| 120 | Synthesis, liquid crystal characterization and photo-switching studies on fluorine substituted azobenzene based esters. <i>RSC Advances</i> , 2015, 5, 6279-6285. | 1.7 | 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. | 0.8 | 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. | 0.8 | 8 |
| 123 | Synthesis, Characterization and Electrical Conductance of Ferrocenylazobenzene. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 604, 142-150. | 0.4 | 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. | 1.3 | 64 |

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| 127 | Improving the Structural, Optical and Electrical Properties of ITO Nano-Layered Thin Films by Gas Flow Argon. <i>Advanced Materials Research</i> , 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. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 324-332. | 2.6 | 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. <i>European Journal of Medicinal Chemistry</i> , 2014, 71, 316-323. | 2.6 | 51 |
| 130 | Synthesis and photoswitching properties of azobenzene liquid crystals with a pentafluorobenzene terminal. <i>Chinese Chemical Letters</i> , 2014, 25, 1611-1614. | 4.8 | 8 |
| 131 | Catalyst free silica templated porous carbon nanoparticles from bio-waste materials. <i>Chemical Communications</i> , 2014, 50, 12702-12705. | 2.2 | 77 |
| 132 | Aliphatic/aromatic spacers based azo dye dimers: synthesis and application for optical storage devices. <i>RSC Advances</i> , 2014, 4, 50811-50818. | 1.7 | 22 |
| 133 | BIOCOMPATIBLE POLYMER EMBEDDED IN LIGHT-SENSITIVE MATERIALS: INVESTIGATION OF STRUCTURAL PROPERTIES. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014, 10, 2025-2033. | 0.5 | 3 |
| 134 | Nanoscale engineering of photo aligning Cibacron Brilliant Yellow. <i>Journal of the Society for Information Display</i> , 2013, 21, 486-490. | 0.8 | 4 |
| 135 | New pyrimidine-based photo-switchable bent-core liquid crystals. <i>New Journal of Chemistry</i> , 2013, 37, 2460. | 1.4 | 39 |
| 136 | Alignment and alignment transition of bent core nematics. <i>Applied Physics Letters</i> , 2013, 103, . | 1.5 | 9 |
| 137 | Synthesis of Banana-Shaped Liquid Crystals for Photoswitching Properties. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 587, 41-53. | 0.4 | 19 |
| 138 | Synthesis and characterization of liquid crystalline azobenzene chromophores with fluorobenzene terminal. <i>Journal of Fluorine Chemistry</i> , 2013, 156, 230-235. | 0.9 | 26 |
| 139 | Azo containing thiophene based prop-2-enoates for photoalignment of a nematic liquid crystal. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3600. | 2.7 | 27 |
| 140 | Field-induced optically isotropic state in bent core nematic liquid crystals: unambiguous proof of field-induced optical biaxiality. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 455101. | 1.3 | 9 |
| 141 | Optically isotropic state in bent core nematic mixtures with rod like molecules induced by direct current electric field. <i>Applied Physics Letters</i> , 2013, 103, 163501. | 1.5 | 3 |
| 142 | Light-control of liquid crystal alignment from vertical to planar. <i>Applied Physics Letters</i> , 2013, 102, . | 1.5 | 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. <i>Nano Hybrids</i> , 2013, 4, 21-31. | 0.3 | 2 |

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