

Vijay Pratap Singh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/932950/publications.pdf>

Version: 2024-02-01

244
papers

5,843
citations

94269

37
h-index

143772

57
g-index

271
all docs

271
docs citations

271
times ranked

3513
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Dielectric and electro-optical properties of nematic liquid crystal p-methoxybenzylidene p-decylaniline dispersed with oil palm leaf based porous carbon quantum dots. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 942-951. | 1.3 | 1 |
| 2 | GABA Requires Nitric Oxide for Alleviating Arsenate Stress in Tomato and Brinjal Seedlings. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 670-683. | 2.8 | 12 |
| 3 | An Appraisal of Ancient Molecule GABA in Abiotic Stress Tolerance in Plants, and Its Crosstalk with Other Signaling Molecules. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 614-629. | 2.8 | 11 |
| 4 | Silicon and nitric oxide-mediated mechanisms of cadmium toxicity alleviation in wheat seedlings. <i>Physiologia Plantarum</i> , 2022, 174, . | 2.6 | 39 |
| 5 | Implication of Nitric Oxide Under Salinity Stress: The Possible Interaction with Other Signaling Molecules. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 163-177. | 2.8 | 24 |
| 6 | Synergistic action of silicon nanoparticles and indole acetic acid in alleviation of chromium (CrVI) toxicity in <i>Oryza sativa</i> seedlings. <i>Journal of Biotechnology</i> , 2022, 343, 71-82. | 1.9 | 47 |
| 7 | Metalloids in plant biology: New avenues in their research. <i>Journal of Hazardous Materials</i> , 2022, 422, 126738. | 6.5 | 3 |
| 8 | Recent progress and future perspectives on carbon-nanomaterial-dispersed liquid crystal composites. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 083002. | 1.3 | 39 |
| 9 | Silica nanoparticles: the rising star in plant disease protection. <i>Trends in Plant Science</i> , 2022, 27, 7-9. | 4.3 | 16 |
| 10 | Ferroelectric liquid crystals: futuristic mesogens for photonic applications. <i>European Physical Journal: Special Topics</i> , 2022, 231, 673-694. | 1.2 | 9 |
| 11 | Early diagnosis of lung cancer using magnetic nanoparticles-integrated systems. <i>Nanotechnology Reviews</i> , 2022, 11, 544-574. | 2.6 | 22 |
| 12 | Nanoparticles as a potential protective agent for arsenic toxicity alleviation in plants. <i>Environmental Pollution</i> , 2022, 300, 118887. | 3.7 | 23 |
| 13 | RIPK: a crucial ROS signaling component in plants. <i>Trends in Plant Science</i> , 2022, 27, 214-216. | 4.3 | 7 |
| 14 | Investigation of dielectric, optical and zeta potential properties of pure and zinc ferrite nanoparticles dispersed nematic liquid crystal PCH5. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1. | 1.1 | 7 |
| 15 | Hot and dry: how plants can thrive in future climates. <i>Plant Cell Reports</i> , 2022, 41, 497-499. | 2.8 | 6 |
| 16 | Arsenite: the umpire of arsenate perception and responses in plants. <i>Trends in Plant Science</i> , 2022, 27, 420-422. | 4.3 | 4 |
| 17 | Greenly synthesized porous carbon nanoparticle (bio-waste-based)-doped nematic liquid crystal composite with optimized electric and electro-optical properties for devices. <i>Journal of the Society for Information Display</i> , 2022, 30, 621-634. | 0.8 | 2 |
| 18 | Application of zinc oxide nanoparticles as fertilizer boosts growth in rice plant and alleviates chromium stress by regulating genes involved in oxidative stress. <i>Chemosphere</i> , 2022, 303, 134554. | 4.2 | 44 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Thermodynamic and spectroscopic characterization of a weakly polar liquid crystalline compound dispersed with polyvinyl pyrrolidone capped gold nanoparticles. <i>Journal of Molecular Liquids</i> , 2022, 354, 118889. | 2.3 | 4 |
| 20 | Heavy metal induced regulation of plant biology: Recent insights. <i>Physiologia Plantarum</i> , 2022, 174, e13688. | 2.6 | 35 |
| 21 | Nematic liquid crystals blended ferroelectric nanoparticles (BaTiO ₃): A perspective way for improving the response time and photoluminescence for electro-optical devices. <i>Journal of Applied Physics</i> , 2022, 131, . | 1.1 | 12 |
| 22 | HPCA1 and HSL3: two plasma membrane proteins that probably cooperate to modulate H ₂ O ₂ signalling under drought conditions. <i>Plant Growth Regulation</i> , 2022, 98, 1-3. | 1.8 | 3 |
| 23 | Nitric oxide and hydrogen peroxide independently act in mitigating chromium stress in <i>Triticum aestivum</i> L. seedlings: Regulation of cell death, chromium uptake, antioxidant system, sulfur assimilation and proline metabolism. <i>Plant Physiology and Biochemistry</i> , 2022, 183, 76-84. | 2.8 | 6 |
| 24 | Iron oxide nanoparticles impart cross tolerance to arsenate stress in rice roots through involvement of nitric oxide. <i>Environmental Pollution</i> , 2022, 307, 119320. | 3.7 | 10 |
| 25 | Effect of Nitric Oxide on Seed Germination and Seedling Development of Tomato Under Chromium Toxicity. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 2358-2370. | 2.8 | 39 |
| 26 | Magnetopriming effects on arsenic stress-induced morphological and physiological variations in soybean involving synchrotron imaging. <i>Physiologia Plantarum</i> , 2021, 173, 88-99. | 2.6 | 12 |
| 27 | Investigation of dielectric and optical properties of pure and diamond nanoparticles dispersed nematic liquid-crystal PCH5. <i>Liquid Crystals</i> , 2021, 48, 1257-1267. | 0.9 | 9 |
| 28 | Multiwall carbon nanotube-nematic liquid crystal composite system: preparation and characterization. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 707-714. | 1.3 | 11 |
| 29 | Regulation of ascorbate-glutathione cycle by exogenous nitric oxide and hydrogen peroxide in soybean roots under arsenate stress. <i>Journal of Hazardous Materials</i> , 2021, 409, 123686. | 6.5 | 59 |
| 30 | Auxin metabolic network regulates the plant response to metalloids stress. <i>Journal of Hazardous Materials</i> , 2021, 405, 124250. | 6.5 | 47 |
| 31 | 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 |
| 32 | Structural modifications of plant organs and tissues by metals and metalloids in the environment: A review. <i>Plant Physiology and Biochemistry</i> , 2021, 159, 100-112. | 2.8 | 46 |
| 33 | Silicon crosstalk with reactive oxygen species, phytohormones and other signaling molecules. <i>Journal of Hazardous Materials</i> , 2021, 408, 124820. | 6.5 | 55 |
| 34 | Silicon induces adventitious root formation in rice under arsenate stress with involvement of nitric oxide and indole-3-acetic acid. <i>Journal of Experimental Botany</i> , 2021, 72, 4457-4471. | 2.4 | 53 |
| 35 | Mitigation of arsenate toxicity by indole-3-acetic acid in brinjal roots: Plausible association with endogenous hydrogen peroxide. <i>Journal of Hazardous Materials</i> , 2021, 405, 124336. | 6.5 | 31 |
| 36 | Histochemical Techniques in Plant Science: More Than Meets the Eye. <i>Plant and Cell Physiology</i> , 2021, 62, 1509-1527. | 1.5 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Dielectric and electro-optical properties of ferric oxide nanoparticles doped 4-octyloxy-4- C_{18} cyanobiphenyl liquid crystal-based nanocomposites for advanced display systems. <i>Liquid Crystals</i> , 2021, 48, 923-934. | 0.9 | 2 |
| 38 | Electro-optical characterization of a weakly polar liquid crystalline compound influenced polyvinyl pyrrolidone capped gold nanoparticles. <i>Journal of Molecular Liquids</i> , 2021, 325, 115172. | 2.3 | 7 |
| 39 | The scientific duo of TiO ₂ nanoparticles and nematic liquid crystal E204: Increased absorbance, photoluminescence quenching and improving response time for electro-optical devices. <i>Journal of Molecular Liquids</i> , 2021, 325, 115130. | 2.3 | 22 |
| 40 | Thermoelectric improvement of the figure of merit of zinc phosphate glass composites by a likely tunnel percolation mechanism. <i>Journal of Applied Physics</i> , 2021, 129, 155110. | 1.1 | 1 |
| 41 | Ascorbate and glutathione independently alleviate arsenate toxicity in brinjal but both require endogenous nitric oxide. <i>Physiologia Plantarum</i> , 2021, 173, 276-286. | 2.6 | 7 |
| 42 | Effect of Doping of Cd _{1-x} Zn _x S/ZnS Core/Shell Quantum Dots in Negative Dielectric Anisotropy Nematic Liquid Crystal p-Methoxybenzylidene p-Decylaniline. <i>Crystals</i> , 2021, 11, 605. | 1.0 | 4 |
| 43 | Modification in different physical parameters of orthoconic antiferroelectric liquid crystal mixture via the dispersion of hexanethiol capped silver nanoparticles. <i>Journal of Molecular Liquids</i> , 2021, 332, 115840. | 2.3 | 7 |
| 44 | Nitric oxide and hydrogen sulfide: an indispensable combination for plant functioning. <i>Trends in Plant Science</i> , 2021, 26, 1270-1285. | 4.3 | 90 |
| 45 | Hydrogen sulfide (H ₂ S) underpins the beneficial silicon effects against the copper oxide nanoparticles (CuO NPs) phytotoxicity in <i>Oryza sativa</i> seedlings. <i>Journal of Hazardous Materials</i> , 2021, 415, 124907. | 6.5 | 29 |
| 46 | Superior improvement in dynamic response of liquid crystal lens using organic and inorganic nanocomposite. <i>Scientific Reports</i> , 2021, 11, 17349. | 1.6 | 9 |
| 47 | Endogenous indole-3-acetic acid and nitric oxide are required for calcium-mediated alleviation of copper oxide nanoparticles toxicity in wheat seedlings. <i>Physiologia Plantarum</i> , 2021, 173, 2262-2275. | 2.6 | 5 |
| 48 | Ambipolar Charge Transport Properties of Naphthophenanthridine Discotic Liquid Crystals. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10364-10372. | 1.2 | 12 |
| 49 | New avenues of silicon research in plant biology. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 955-957. | 2.8 | 0 |
| 50 | Silicon and nitric oxide interplay alleviates copper induced toxicity in mung bean seedlings. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 713-722. | 2.8 | 12 |
| 51 | Exogenous addition of silicon alleviates metsulfuron methyl induced stress in wheat seedlings. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 705-712. | 2.8 | 9 |
| 52 | Molecular ordering dependent charge transport in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si11.svg"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -stacked triphenylene based discotic liquid crystals and its correlation with dielectric properties. <i>Journal of Molecular Liquids</i> , 2021, 342, 117353. | 2.3 | 12 |
| 53 | Implication of nitric oxide and hydrogen sulfide signalling in alleviating arsenate stress in rice seedlings. <i>Environmental Pollution</i> , 2021, 291, 117958. | 3.7 | 26 |
| 54 | Ethylene needs endogenous hydrogen sulfide for alleviating hexavalent chromium stress in <i>Vigna mungo</i> L. and <i>Vigna radiata</i> L.. <i>Environmental Pollution</i> , 2021, 290, 117968. | 3.7 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Fluorescence Spectrometry. Progress in Optical Science and Photonics, 2021, , 431-468. | 0.3 | 0 |
| 56 | Effect of carbonaceous oil palm leaf quantum dot dispersion in nematic liquid crystal on zeta potential, optical texture and dielectric properties. Journal of Nanostructure in Chemistry, 2021, 11, 527-548. | 5.3 | 18 |
| 57 | Carbon Nanotubes Blended Nematic Liquid Crystal for Display and Electro-Optical Applications. Electronic Materials, 2021, 2, 466-481. | 0.9 | 14 |
| 58 | Glutathione and hydrogen sulfide are required for sulfur-mediated mitigation of Cr(VI) toxicity in tomato, pea and brinjal seedlings. Physiologia Plantarum, 2020, 168, 406-421. | 2.6 | 35 |
| 59 | NO and ROS implications in the organization of root system architecture. Physiologia Plantarum, 2020, 168, 473-489. | 2.6 | 26 |
| 60 | Dielectric properties and activation energies of Cu: ZnO dispersed nematic mesogen N-(4-methoxybenzylidene)-4-butylaniline liquid crystal. Journal of Dispersion Science and Technology, 2020, 41, 1283-1290. | 1.3 | 18 |
| 61 | Nitric oxide in plants: an ancient molecule with new tasks. Plant Growth Regulation, 2020, 90, 1-13. | 1.8 | 42 |
| 62 | Influence of SiO ₂ nanoparticles on the dielectric properties and anchoring energy parameters of pure ferroelectric liquid crystal. Journal of Dispersion Science and Technology, 2020, 41, 2136-2142. | 1.3 | 6 |
| 63 | Dielectric and electro-optical properties of zinc ferrite nanoparticles dispersed nematic liquid crystal 4'-Heptyl-4-biphenylcarbonitrile. Liquid Crystals, 2020, 47, 1025-1040. | 0.9 | 25 |
| 64 | Silicon and plant growth promoting rhizobacteria differentially regulate AgNP-induced toxicity in Brassica juncea: Implication of nitric oxide. Journal of Hazardous Materials, 2020, 390, 121806. | 6.5 | 46 |
| 65 | Exogenous nitric oxide requires endogenous hydrogen sulfide to induce the resilience through sulfur assimilation in tomato seedlings under hexavalent chromium toxicity. Plant Physiology and Biochemistry, 2020, 155, 20-34. | 2.8 | 66 |
| 66 | A brief appraisal of ethylene signaling under abiotic stress in plants. Plant Signaling and Behavior, 2020, 15, 1782051. | 1.2 | 64 |
| 67 | Dose dependent differential effects of toxic metal cadmium in tomato roots: Role of endogenous hydrogen sulfide. Ecotoxicology and Environmental Safety, 2020, 203, 110978. | 2.9 | 18 |
| 68 | Ascorbic acid is essential for inducing chromium (VI) toxicity tolerance in tomato roots. Journal of Biotechnology, 2020, 322, 66-73. | 1.9 | 29 |
| 69 | Dispersion of nanoparticles into the low birefringent nematic liquid crystal: study of optical and electro-optical parameters and its applicability towards liquid crystal displays. Journal of Theoretical and Applied Physics, 2020, 14, 51-59. | 1.4 | 3 |
| 70 | Silicon in plant biology: from past to present, and future challenges. Journal of Experimental Botany, 2020, 71, 6699-6702. | 2.4 | 24 |
| 71 | Room temperature perylene based columnar liquid crystals as solid-state fluorescent emitters in solution-processable organic light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 12485-12494. | 2.7 | 31 |
| 72 | Charge transport in phenazine-fused triphenylene discotic mesogens doped with CdS nanowires. New Journal of Chemistry, 2020, 44, 14872-14878. | 1.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Full sunlight acclimation mechanisms in <i>Riccia discolor</i> thalli: Assessment at morphological, anatomical, and biochemical levels. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 210, 111983. | 1.7 | 0 |
| 74 | Silicon tackles butachlor toxicity in rice seedlings by regulating anatomical characteristics, ascorbate-glutathione cycle, proline metabolism and levels of nutrients. <i>Scientific Reports</i> , 2020, 10, 14078. | 1.6 | 27 |
| 75 | Luminescent Conductive Columnar π -Gelators for Fe(II) Sensing and Bio-Imaging Applications. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10257-10265. | 1.2 | 13 |
| 76 | Carbon dot-dispersed hexabutyloxytriphenylene discotic mesogens: structural, morphological and charge transport behavior. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9252-9261. | 2.7 | 20 |
| 77 | Effect of graphene oxide dispersion in antiferroelectric liquid crystal mixture in the verge of SmC* to SmCA* phase transition. <i>Chinese Journal of Physics</i> , 2020, 67, 91-106. | 2.0 | 7 |
| 78 | Silver nanoparticles dispersed in nematic liquid crystal: an impact on dielectric and electro-optical parameters. <i>Journal of Theoretical and Applied Physics</i> , 2020, 14, 237-243. | 1.4 | 18 |
| 79 | Cytokinin alleviates cypermethrin toxicity in <i>Nostoc muscorum</i> by involving nitric oxide: Regulation of exopolysaccharides secretion, PS II photochemistry and reactive oxygen species homeostasis. <i>Chemosphere</i> , 2020, 259, 127356. | 4.2 | 12 |
| 80 | Mitigation of chromium (VI) toxicity by additional sulfur in some vegetable crops involves glutathione and hydrogen sulfide. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 952-964. | 2.8 | 23 |
| 81 | Optimization of the dielectric and optical parameters of 1,2,4-oxadiazole ferroelectric mesophase with the suspension of PVP capped gold nanoparticles. <i>Optical Materials</i> , 2020, 107, 110021. | 1.7 | 5 |
| 82 | Photoluminescence modulation in the graphene oxide dispersed 4-n-octyl-4'-cyanobiphenyl molecular system. <i>Journal of Luminescence</i> , 2020, 226, 117509. | 1.5 | 11 |
| 83 | 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 |
| 84 | Hydrogen sulfide and nitric oxide signal integration and plant development under stressed/non-stressed conditions. <i>Physiologia Plantarum</i> , 2020, 168, 239-240. | 2.6 | 58 |
| 85 | Spectroscopic, dielectric and nonlinear current-voltage characterization of a hydrogen-bonded liquid crystalline compound influenced via graphitic nanoflakes: An equilibrium between the experimental and theoretical studies. <i>Journal of Molecular Liquids</i> , 2020, 302, 112537. | 2.3 | 13 |
| 86 | Phase Contraction, fluorescence quenching and formation of topological defects in chiral smectic C matrix by Cd _{0.15} Zn _{0.85} S/ZnS core/shell quantum dots dispersion: Faster electro-optic response for gadget displays. <i>Liquid Crystals</i> , 2020, 47, 1638-1654. | 0.9 | 8 |
| 87 | Thermal, electrical and structural characterization of zinc phosphate glass matrix loaded with different volume fractions of the graphite particles. <i>Journal of Non-Crystalline Solids</i> , 2020, 536, 119989. | 1.5 | 8 |
| 88 | Additional calcium and sulfur manages hexavalent chromium toxicity in <i>Solanum lycopersicum</i> L. and <i>Solanum melongena</i> L. seedlings by involving nitric oxide. <i>Journal of Hazardous Materials</i> , 2020, 398, 122607. | 6.5 | 38 |
| 89 | Nitric oxide-mediated regulation of sub-cellular chromium distribution, ascorbate-glutathione cycle and glutathione biosynthesis in tomato roots under chromium (VI) toxicity. <i>Journal of Biotechnology</i> , 2020, 318, 68-77. | 1.9 | 28 |
| 90 | Liquid crystal lens with doping of rutile titanium dioxide nanoparticles. <i>Optics Express</i> , 2020, 28, 22856. | 1.7 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | CdSe quantum dots in chiral smectic C matrix: experimental evidence of smectic layer distortion by small and wide angle X-ray scattering and subsequent effect on electro-optical parameters. <i>Liquid Crystals</i> , 2019, 46, 376-385. | 0.9 | 17 |
| 92 | Molecular p-doping in organic liquid crystalline semiconductors: influence of the charge transfer complex on the properties of mesophase and bulk charge transport. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18686-18698. | 1.3 | 10 |
| 93 | Interactive Effect of Silicon (Si) and Salicylic Acid (SA) in Maize Seedlings and Their Mechanisms of Cadmium (Cd) Toxicity Alleviation. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 1587-1597. | 2.8 | 55 |
| 94 | Avenues of the membrane transport system in adaptation of plants to abiotic stresses. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 861-883. | 5.1 | 53 |
| 95 | Influence of Fe ₂ O ₃ nanoparticles on the birefringence property of weakly polar nematic liquid crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 680, 65-74. | 0.4 | 14 |
| 96 | Ferroelectric liquid crystal mixture dispersed with tin oxide nanoparticles: Study of morphology, thermal, dielectric and optical properties. <i>Materials Chemistry and Physics</i> , 2019, 237, 121851. | 2.0 | 12 |
| 97 | Plasmonic resonance instigated enhanced photoluminescence in quantum dot dispersed nematic liquid crystal. <i>Liquid Crystals</i> , 2019, 46, 1224-1230. | 0.9 | 10 |
| 98 | Orientation of 4-n-octyl-4'-cyanobiphenyl molecules on graphene oxide surface via electron-phonon interaction and its applications in nonlinear electronics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2734-2743. | 2.7 | 14 |
| 99 | Investigation of thermodynamical, dielectric and electro-optical parameters of nematic liquid crystal doped with polyaniline and silver nanoparticles. <i>Journal of Molecular Liquids</i> , 2019, 290, 111241. | 2.3 | 19 |
| 100 | Faster response and lesser threshold voltage of strontium hardystonite (Sr-HT) nematic liquid crystal: Photoluminescence and optical study. <i>Optical Materials</i> , 2019, 93, 19-24. | 1.7 | 11 |
| 101 | Investigation of dielectric and electro-optical properties of nematic liquid crystal with the suspension of biowaste-based porous carbon nanoparticles. <i>Liquid Crystals</i> , 2019, 46, 1808-1820. | 0.9 | 20 |
| 102 | Regulation of cadmium toxicity in roots of tomato by indole acetic acid with special emphasis on reactive oxygen species production and their scavenging. <i>Plant Physiology and Biochemistry</i> , 2019, 142, 193-201. | 2.8 | 54 |
| 103 | Improved dielectric and electro-optical parameters of nematic liquid crystal doped with magnetic nanoparticles. <i>Chinese Physics B</i> , 2019, 28, 034209. | 0.7 | 19 |
| 104 | Study of the electrocaloric effect in ferroelectric liquid crystals. <i>Liquid Crystals</i> , 2019, 46, 1517-1526. | 0.9 | 4 |
| 105 | Nitrogen alleviates salinity toxicity in <i>Solanum lycopersicum</i> seedlings by regulating ROS homeostasis. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 466-476. | 2.8 | 48 |
| 106 | Room temperature discotic liquid crystalline triphenylene-pentaalkynylbenzene dyads as an emitter in blue OLEDs and their charge transfer complexes with ambipolar charge transport behaviour. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5724-5738. | 2.7 | 42 |
| 107 | Effect of graphene oxide dispersion in nematic mesogen and their characterization results. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1. | 1.1 | 13 |
| 108 | Transmuting the blue fluorescence of hecates mesogens derived from tris(N-salicylideneaniline)s core via ZnS/ZnS:Mn ²⁺ semiconductor quantum dots dispersion. <i>Journal of Luminescence</i> , 2019, 210, 7-13. | 1.5 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Investigation of dielectric and electro-optical parameters of high birefringent nematic liquid crystal doped with TiO ₂ nanoparticles and its applicability toward liquid crystal displays. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 691, 50-61. | 0.4 | 7 |
| 110 | SiO ₂ nanoparticles doped nematic liquid crystal system: An experimental investigation on optical and dielectric properties. <i>Chinese Journal of Physics</i> , 2019, 57, 82-89. | 2.0 | 23 |
| 111 | Extraction, purification and characterisation of Phycocyanin from <i>Anabaena fertilissima</i> PUPCCC 410.5: as a natural and food grade stable pigment. <i>Journal of Applied Phycology</i> , 2019, 31, 1685-1696. | 1.5 | 27 |
| 112 | Kinetin Alleviates UV-B-Induced Damage in <i>Solanum lycopersicum</i> : Implications of Phenolics and Antioxidants. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 831-841. | 2.8 | 15 |
| 113 | Nanoparticles alter the withanolide biosynthesis and carbohydrate metabolism in <i>Withania somnifera</i> (Dunal). <i>Industrial Crops and Products</i> , 2019, 127, 94-109. | 2.5 | 28 |
| 114 | Hole transporting properties of discotic liquid-crystalline semiconductor confined in calamitic UV-crosslinked gel. <i>Journal of Molecular Liquids</i> , 2019, 276, 27-31. | 2.3 | 6 |
| 115 | Preparation and photophysical properties of soft-nano composites comprising guest anatase TiO ₂ nanoparticle and host hecates mesogens. <i>Journal of Luminescence</i> , 2019, 205, 304-309. | 1.5 | 9 |
| 116 | Study of an interesting physical mechanism of memory effect in nematic liquid crystal dispersed with quantum dots. <i>Liquid Crystals</i> , 2019, 46, 725-735. | 0.9 | 39 |
| 117 | InP/ZnS quantum-dot-dispersed nematic liquid crystal illustrating characteristic birefringence and enhanced electro-optical parameters. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1. | 1.1 | 15 |
| 118 | UV response on dielectric properties of nano nematic liquid crystal. <i>Results in Physics</i> , 2018, 8, 1119-1123. | 2.0 | 9 |
| 119 | Cd ²⁺ /Zn ²⁺ /ZnS core/shell quantum dots in nematic liquid crystals to improve material parameter for better performance of liquid crystal based devices. <i>Journal of Molecular Liquids</i> , 2018, 255, 93-101. | 2.3 | 36 |
| 120 | Analysis of electro-optical and dielectric parameters of TiO ₂ nanoparticles dispersed nematic liquid crystal. <i>Soft Materials</i> , 2018, 16, 126-133. | 0.8 | 23 |
| 121 | CuInS ₂ /ZnS QD-ferroelectric liquid crystal mixtures for faster electro-optical devices and their energy storage aspects. <i>Journal of Applied Physics</i> , 2018, 123, . | 1.1 | 13 |
| 122 | Dielectric study of Clove oil. <i>Journal of Ayurveda and Integrative Medicine</i> , 2018, 9, 53-56. | 0.9 | 6 |
| 123 | A bridged ruthenium dimer (Ru ²⁺ Ru) for photoreduction of CO ₂ under visible light irradiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 61, 381-387. | 2.9 | 17 |
| 124 | Manifestation of strong magneto-electric dipolar coupling in ferromagnetic nanoparticles ^{FLC} composite: evaluation of time-dependent memory effect. <i>Liquid Crystals</i> , 2018, 45, 687-697. | 0.9 | 20 |
| 125 | Investigation of several essential display features for the low birefringent nematic liquid crystal dispersed with polymer. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1. | 1.1 | 4 |
| 126 | Dielectric and spectroscopic study of nano-sized diamond dispersed ferroelectric liquid crystal. <i>Journal of Molecular Liquids</i> , 2018, 264, 510-514. | 2.3 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Effect of ion trapping behavior of TiO ₂ nanoparticles on different parameters of weakly polar nematic liquid crystal. <i>Journal of Theoretical and Applied Physics</i> , 2018, 12, 191-198. | 1.4 | 27 |
| 128 | Dual photoluminescence and charge transport in an alkoxy biphenyl benzoate ferroelectric liquid crystalline-graphene oxide composite. <i>New Journal of Chemistry</i> , 2018, 42, 16682-16693. | 1.4 | 18 |
| 129 | Tuning of birefringence, response time, and dielectric anisotropy by the dispersion of fluorescent dye into the nematic liquid crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1. | 1.1 | 29 |
| 130 | Charge Transport in Novel Phenazine Fused Triphenylene Supramolecular Systems. <i>ChemistrySelect</i> , 2018, 3, 6551-6560. | 0.7 | 20 |
| 131 | Polymer-doped ferroelectric liquid crystal: UV absorbance, fluorescence and electro-optical study. <i>Phase Transitions</i> , 2017, 90, 227-235. | 0.6 | 4 |
| 132 | Effect of graphene oxide interlayer electron-phonon coupling on the electro-optical parameters of a ferroelectric liquid crystal. <i>RSC Advances</i> , 2017, 7, 12479-12485. | 1.7 | 17 |
| 133 | CdTe quantum dot dispersed ferroelectric liquid crystal: Transient memory with faster optical response and quenching of photoluminescence. <i>Journal of Molecular Liquids</i> , 2017, 237, 71-80. | 2.3 | 19 |
| 134 | Phycobiliprotein production by a novel cold desert cyanobacterium <i>Nodularia sphaerocarpa</i> PUPCCC 420.1. <i>Journal of Applied Phycology</i> , 2017, 29, 1819-1827. | 1.5 | 19 |
| 135 | Effect of Cd _{1-x} Zn _x S/ZnS core/shell quantum dot on the optical response and relaxation behaviour of ferroelectric liquid crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 652, 195-205. | 0.4 | 9 |
| 136 | Effect of metallic silver nanoparticles on the alignment and relaxation behaviour of liquid crystalline material in smectic C* phase. <i>Journal of Applied Physics</i> , 2017, 122, . | 1.1 | 12 |
| 137 | Pico-ampere current sensitivity and CdSe quantum dots assembly assisted charge transport in ferroelectric liquid crystal. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 325301. | 1.3 | 11 |
| 138 | 3-D vertically aligned few layer graphene partially reduced graphene oxide/sulfur electrodes for high performance lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1516-1523. | 2.5 | 12 |
| 139 | Time-resolved fluorescence and absence of Förster resonance energy transfer in ferroelectric liquid crystal-quantum dots composites. <i>Journal of Luminescence</i> , 2017, 190, 161-170. | 1.5 | 18 |
| 140 | ZnS quantum dot induced phase transitional changes and enhanced ferroelectric mesophase in QDs/FLC composites. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 100, 134-142. | 1.9 | 10 |
| 141 | Effect of UV light irradiation on the dielectric behaviour of liquid crystal/nano composite. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 656, 89-95. | 0.4 | 2 |
| 142 | Silicon Nanoparticles More Efficiently Alleviate Arsenate Toxicity than Silicon in Maize Cultivar and Hybrid Differing in Arsenate Tolerance. <i>Frontiers in Environmental Science</i> , 2016, 4, . | 1.5 | 253 |
| 143 | Mn ²⁺ doped ZnS quantum dots in ferroelectric liquid crystal matrix: Analysis of new relaxation phenomenon, faster optical response, and concentration dependent quenching in photoluminescence. <i>Journal of Applied Physics</i> , 2016, 119, . | 1.1 | 18 |
| 144 | Responses of photosynthesis, nitrogen and proline metabolism to salinity stress in <i>Solanum lycopersicum</i> under different levels of nitrogen supplementation. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 72-83. | 2.8 | 84 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Nano-doped weakly polar versus highly polar liquid crystal. Applied Nanoscience (Switzerland), 2016, 6, 141-148. | 1.6 | 4 |
| 146 | LIB spectroscopic and biochemical analysis to characterize lead toxicity alleviative nature of silicon in wheat (<i>Triticum aestivum</i> L.) seedlings. Journal of Photochemistry and Photobiology B: Biology, 2016, 154, 89-98. | 1.7 | 75 |
| 147 | Thermal and optical study of semiconducting CNTs-doped nematic liquid crystalline material. Phase Transitions, 2016, 89, 632-642. | 0.6 | 22 |
| 148 | Dielectric Relaxation Spectroscopy of Liquid Crystal in Nematogenic Mesophase. Molecular Crystals and Liquid Crystals, 2016, 626, 160-168. | 0.4 | 4 |
| 149 | Quenching of photoluminescence and enhanced contrast of ferroelectric liquid crystal dispersed with Cd ¹⁺ Zn S/ZnS core/shell nanocrystals. Journal of Luminescence, 2016, 173, 250-256. | 1.5 | 39 |
| 150 | Tailoring of cholesteric plane spacing, dielectric relaxation and optical properties of high temperature chiral nematic phase by UV irradiation. Molecular Crystals and Liquid Crystals, 2016, 625, 1-10. | 0.4 | 0 |
| 151 | Dielectric and electro-optical properties of polymer-stabilized liquid crystal system. Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 1.1 | 21 |
| 152 | Core/shell quantum dots in ferroelectric liquid crystals matrix: effect of spontaneous polarisation coupling with dopant. Liquid Crystals, 2016, 43, 980-993. | 0.9 | 35 |
| 153 | Tuning phase retardation behaviour of nematic liquid crystal using quantum dot. Current Applied Physics, 2016, 16, 79-82. | 1.1 | 25 |
| 154 | Analysis of optical properties and mechanism of photoluminescence enhancement of quantum dot - ferroelectric liquid crystal composite. Photonics Letters of Poland, 2016, 8, . | 0.2 | 1 |
| 155 | Effects of polymer doping on dielectric and electro-optical parameters of nematic liquid crystal. Polymer Engineering and Science, 2015, 55, 414-420. | 1.5 | 18 |
| 156 | Influence of CdSe quantum dot on molecular/ionic relaxation phenomenon and change in physical parameters of ferroelectric liquid crystal. Liquid Crystals, 2015, 42, 1159-1168. | 0.9 | 17 |
| 157 | Fluorescence, UV absorbance and dielectric studies of fluorescent dye doped ferroelectric liquid crystal. Journal of Non-Crystalline Solids, 2015, 412, 1-4. | 1.5 | 12 |
| 158 | Effect of TiO ₂ nanoparticles dispersion on ionic behaviour in nematic liquid crystal. Liquid Crystals, 2015, 42, 1095-1101. | 0.9 | 65 |
| 159 | Enhancement of birefringence of liquid crystals with dispersion of poly (<i>n</i> -butyl methacrylate) (PBMA). Liquid Crystals, 2015, 42, 1465-1471. | 0.9 | 25 |
| 160 | Applicability of TiO ₂ nanoparticle towards suppression of screening effect in nematic liquid crystal. Journal of Molecular Liquids, 2015, 208, 34-37. | 2.3 | 28 |
| 161 | Effect of pretilachlor on nitrogen uptake and assimilation by the cyanobacterium <i>Desmonostoc muscorum</i> PUPCCC 405.10. Acta Physiologiae Plantarum, 2015, 37, 1. | 1.0 | 5 |
| 162 | Quantum Dot Doped Ferroelectric Liquid Crystal System: Investigation of Electro-Optical Parameters and Relaxation Behavior. Molecular Crystals and Liquid Crystals, 2015, 610, 227-234. | 0.4 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Analysis of physical parameters and collective dielectric relaxations in core/shell quantum dot ferroelectric liquid crystal composite. <i>Journal of Molecular Liquids</i> , 2015, 211, 157-163. | 2.3 | 15 |
| 164 | NaCl-induced physiological and biochemical changes in two cyanobacteria <i>Nostoc muscorum</i> and <i>Phormidium foveolarum</i> acclimatized to different photosynthetically active radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 151, 221-232. | 1.7 | 30 |
| 165 | Silicon-mediated alleviation of Cr(VI) toxicity in wheat seedlings as evidenced by chlorophyll florescence, laser induced breakdown spectroscopy and anatomical changes. <i>Ecotoxicology and Environmental Safety</i> , 2015, 113, 133-144. | 2.9 | 152 |
| 166 | Intracellular uptake and reduction of hexavalent chromium by the cyanobacterium <i>Synechocystis</i> sp. PUPCCC 62. <i>Journal of Applied Phycology</i> , 2015, 27, 827-837. | 1.5 | 20 |
| 167 | Enhanced negative dielectric anisotropy and high electrical conductivity of the SWCNT doped nematic liquid crystalline material. <i>Journal of Molecular Liquids</i> , 2015, 204, 21-26. | 2.3 | 27 |
| 168 | Electrical And Polarization Behaviour Of Titania Nanoparticles Doped Ferroelectric Liquid Crystal. <i>Advanced Materials Letters</i> , 2015, 6, 68-72. | 0.3 | 27 |
| 169 | Analysis of faster optical response in core/shell nanocrystals ferroelectric liquid crystal composite. <i>Photonics Letters of Poland</i> , 2015, 7, . | 0.2 | 2 |
| 170 | Cd _{1-x} Zn _x S/ZnS core/shell quantum dot ferroelectric liquid crystal composite system: analysis of faster optical response and lower operating voltage. <i>Liquid Crystals</i> , 2014, 41, 1811-1820. | 0.9 | 30 |
| 171 | Dielectric Behavior of ZnO Nano Particle Dispersed Nematic Liquid Crystal. <i>Ferroelectrics</i> , 2014, 468, 132-142. | 0.3 | 4 |
| 172 | Low and high doses of UV-B differentially modulate chlorpyrifos-induced alterations in nitrogen metabolism of cyanobacteria. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 291-299. | 2.9 | 12 |
| 173 | The nanosphere driven optical and dielectric changes in ferroelectric liquid crystal. , 2014, , . | | 0 |
| 174 | Reduced ionic contaminations in CdSe quantum dot dispersed ferroelectric liquid crystal and its applications. <i>Liquid Crystals</i> , 2014, 41, 1356-1365. | 0.9 | 25 |
| 175 | Electro-optical, UV absorbance, and UV photoluminescence analysis of Se ₉₅ In ₅ chalcogenide glass microparticle doped ferroelectric liquid crystal. <i>Journal of Applied Physics</i> , 2014, 115, . | 1.1 | 20 |
| 176 | Plant Responses to Metal Stress. , 2014, , 215-248. | | 41 |
| 177 | Suppression of relaxation modes in dye dispersed SmC* phase. <i>Phase Transitions</i> , 2014, 87, 294-304. | 0.6 | 1 |
| 178 | Formation of periodic domains and change in physical properties of paramagnetic copper doped ZnO nanoparticle dispersed ferroelectric liquid crystal system. <i>Journal of Molecular Liquids</i> , 2014, 198, 267-273. | 2.3 | 4 |
| 179 | Role of Silicon in Enrichment of Plant Nutrients and Protection from Biotic and Abiotic Stresses. , 2014, , 39-56. | | 30 |
| 180 | Suppression of Surface Domains in Ferroelectric Liquid Crystals by Dye Dispersion. <i>Ferroelectrics</i> , 2014, 468, 123-131. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Effect of cadmium selenide quantum dots on the dielectric and physical parameters of ferroelectric liquid crystal. <i>Journal of Applied Physics</i> , 2014, 116, 034106. | 1.1 | 21 |
| 182 | Electro-Optical Study of Fluorescent Dye-Doped Ferroelectric Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 591, 25-33. | 0.4 | 3 |
| 183 | Enhancement of Dielectric and Electro-Optical Properties in SWCNT Dispersed Ferroelectric Liquid Crystals. <i>Ferroelectrics</i> , 2014, 468, 84-91. | 0.3 | 11 |
| 184 | Dielectric, electro-optical, and photoluminescence characteristics of ferroelectric liquid crystals on a graphene-coated indium tin oxide substrate. <i>Physical Review E</i> , 2014, 90, 022501. | 0.8 | 34 |
| 185 | Guest-host interaction in ferroelectric liquid crystal-nanoparticle composite system. <i>Bulletin of Materials Science</i> , 2014, 37, 511-518. | 0.8 | 13 |
| 186 | Nitric oxide alleviates arsenic-induced toxic effects in ridged <i>Luffa</i> seedlings. <i>Plant Physiology and Biochemistry</i> , 2013, 71, 155-163. | 2.8 | 122 |
| 187 | Goldstone and soft modes for fluorescent dye doped ferroelectric liquid crystal. <i>Journal of Non-Crystalline Solids</i> , 2013, 376, 7-11. | 1.5 | 8 |
| 188 | Theoretical Aspect of Nanonematic Composite: Energy Functional and Threshold Voltage. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 582, 88-97. | 0.4 | 0 |
| 189 | Effect of dye dispersion on the relaxation modes of smectic C* phase. <i>Liquid Crystals</i> , 2013, 40, 1503-1511. | 0.9 | 11 |
| 190 | High-temperature chiral nematic phase in naphthalene and cholesterol derivative liquid crystal: characterisation and dielectric relaxation study. <i>Physics and Chemistry of Liquids</i> , 2013, 51, 663-676. | 0.4 | 3 |
| 191 | The phenomenon of nanomaterial induced photoluminescence in ferroelectric liquid crystals. , 2013, , . | | 0 |
| 192 | Abnormal switching behavior of nanoparticle composite systems. <i>Phase Transitions</i> , 2013, 86, 1241-1255. | 0.6 | 7 |
| 193 | SWCNT doped ferroelectric liquid crystal: The electro-optical properties with enhanced dipolar contribution. <i>Current Applied Physics</i> , 2013, 13, 684-687. | 1.1 | 19 |
| 194 | Ferroelectric liquid crystal matrix dispersed with Cu doped ZnO nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2013, 363, 178-186. | 1.5 | 33 |
| 195 | CdSe quantum dot-dispersed DOBAMBC: an electro-optical study. <i>Liquid Crystals</i> , 2013, 40, 528-533. | 0.9 | 34 |
| 196 | The phenomenon of induced photoluminescence in ferroelectric mesophase. <i>Journal of Luminescence</i> , 2013, 139, 60-63. | 1.5 | 18 |
| 197 | Improved dielectric and electro-optical parameters of ZnO nano-particle (8% Cu ²⁺) doped nematic liquid crystal. <i>Journal of Molecular Structure</i> , 2013, 1035, 371-377. | 1.8 | 53 |
| 198 | Concentration Dependent Physical Parameters of Ferroelectric Liquid Crystal and ZnOS Nano Material Composite System. <i>Soft Materials</i> , 2013, 11, 305-314. | 0.8 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Gamma-induced augmentation in EBHA: A dielectric and electro-optical study. Canadian Journal of Physics, 2013, 91, 433-437. | 0.4 | 0 |
| 200 | Changes in material parameters for dye-doped ferroelectric liquid crystal. Phase Transitions, 2013, 86, 977-986. | 0.6 | 2 |
| 201 | Synthesis, molecular structure, and spectral analyses of ethyl-4-[(2,4-dinitrophenyl)-hydrazonomethyl]-3,5-dimethyl-1H-pyrrole-2-carboxylate. Structural Chemistry, 2013, 24, 713-724. | 1.0 | 21 |
| 202 | Dielectric relaxation of a ferroelectric liquid crystal showing anomalous behaviour due to polarization inversion. , 2013, , . | | 0 |
| 203 | FLC diffraction grating: Efficiency enhancement by SWCNT doping. , 2013, , . | | 2 |
| 204 | Dielectric investigation on newly synthesized H-shaped dimer. , 2013, , . | | 0 |
| 205 | Modification in nematic liquid crystal made by gamma irradiation: biasing voltage and electro-optical study. Radiation Effects and Defects in Solids, 2013, 168, 297-307. | 0.4 | 1 |
| 206 | Enhancement in Dielectric Properties of Nematic Liquid Crystal by Gamma Irradiation. Molecular Crystals and Liquid Crystals, 2013, 571, 77-85. | 0.4 | 6 |
| 207 | ZnO_x Nanoparticle Dispersed Ferroelectric Mesophase. Advances in Condensed Matter Physics. 2013, 2013, 1-10. | 0.4 | 14 |
| 208 | Anilofos Tolerance and Its Mineralization by the Cyanobacterium Synechocystis sp. Strain PUPCCC 64. PLoS ONE, 2013, 8, e53445. | 1.1 | 25 |
| 209 | Dielectric Relaxation And Electrical Properties Of $ZnO_{1-x}S_x$ Nanoparticle Dispersed Ferroelectric Mesophase. Advanced Materials Letters, 2013, 4, 556-561. | 0.3 | 3 |
| 210 | Dielectric relaxation study of a H shaped liquid crystal dimer. Physics and Chemistry of Liquids, 2012, 50, 605-616. | 0.4 | 8 |
| 211 | Rice seedlings under cadmium stress: effect of silicon on growth, cadmium uptake, oxidative stress, antioxidant capacity and root and leaf structures. Chemistry and Ecology, 2012, 28, 281-291. | 0.6 | 129 |
| 212 | Differential effect of UV-B radiation on growth, oxidative stress and ascorbate-glutathione cycle in two cyanobacteria under copper toxicity. Plant Physiology and Biochemistry, 2012, 61, 61-70. | 2.8 | 50 |
| 213 | Differential effects of UV-B radiation fluence rates on growth, photosynthesis, and phosphate metabolism in two cyanobacteria under copper toxicity. Toxicological and Environmental Chemistry, 2012, 94, 1511-1535. | 0.6 | 14 |
| 214 | Reduction of optical response time for fluorescent dye doped ferroelectric liquid crystal. Journal of Molecular Liquids, 2012, 175, 67-71. | 2.3 | 14 |
| 215 | Impact of low and high fluence rates of UV-B radiation on growth and oxidative stress in Phormidium foveolarum and Nostoc muscorum under copper toxicity: differential display of antioxidants system. Acta Physiologiae Plantarum, 2012, 34, 2225-2239. | 1.0 | 13 |
| 216 | Dielectric behaviour of a ferroelectric liquid crystal dimer. Liquid Crystals, 2012, 39, 1125-1129. | 0.9 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Light intensity determines the extent of mercury toxicity in the cyanobacterium <i>Nostoc muscorum</i> . <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1119-1131. | 1.0 | 15 |
| 218 | Impact of exogenous silicon addition on chromium uptake, growth, mineral elements, oxidative stress, antioxidant capacity, and leaf and root structures in rice seedlings exposed to hexavalent chromium. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 279-289. | 1.0 | 196 |
| 219 | Guest-host mode ferroelectric liquid crystals. <i>Liquid Crystals</i> , 2011, 38, 183-190. | 0.9 | 11 |
| 220 | The molecular ordering phenomenon in dye-doped nematic liquid crystals. <i>Physica Scripta</i> , 2011, 83, 035704. | 1.2 | 7 |
| 221 | Modification in dielectric properties of SWCNT doped ferroelectric liquid crystals. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 1822-1826. | 1.5 | 26 |
| 222 | Dielectric and electro-optical study of ZnO nano rods doped ferroelectric liquid crystals. <i>Journal of Materials Science</i> , 2011, 46, 5969-5976. | 1.7 | 51 |
| 223 | Comparative study of dielectric and electro-optical properties of pure and polymer ferroelectric liquid crystal composites. <i>Journal of Polymer Research</i> , 2011, 18, 435-441. | 1.2 | 20 |
| 224 | Kinetics and physico-chemical characterization of exopolysaccharides produced by the cyanobacterium <i>Oscillatoria formosa</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 2139-2146. | 1.7 | 35 |
| 225 | Influence of Exogenous Silicon Addition on Aluminium Tolerance in Rice Seedlings. <i>Biological Trace Element Research</i> , 2011, 144, 1260-1274. | 1.9 | 94 |
| 226 | Dielectric relaxation studies in 5CB nematic liquid crystal at 9 GHz under the influence of external magnetic field using microwave cavity spectrometer. <i>Pramana - Journal of Physics</i> , 2011, 76, 621-628. | 0.9 | 7 |
| 227 | Chlorpyrifos degradation by the cyanobacterium <i>Synechocystis</i> sp. strain PUPCCC 64. <i>Environmental Science and Pollution Research</i> , 2011, 18, 1351-1359. | 2.7 | 97 |
| 228 | Differential responses of pea seedlings to indole acetic acid under manganese toxicity. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 451-462. | 1.0 | 34 |
| 229 | Modification of chromium (VI) phytotoxicity by exogenous gibberellic acid application in <i>Pisum sativum</i> (L.) seedlings. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1385-1397. | 1.0 | 86 |
| 230 | Molecular dynamics in weakly polar nematic liquid crystal doped with dye. <i>Canadian Journal of Physics</i> , 2011, 89, 661-665. | 0.4 | 6 |
| 231 | Analysis of Mesogenic Characteristics of 6-Chloro-benzothiazol-2-yl-(4-hexadecyloxyphenyl) Diazene A Smectic Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 537, 3-21. | 0.4 | 3 |
| 232 | Sign inversion of dielectric anisotropy in nematic liquid crystal by dye doping. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1311-1315. | 1.9 | 33 |
| 233 | Dielectric, thermal and optical study of an unusually shaped liquid crystal. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1684-1689. | 1.9 | 13 |
| 234 | Polymer-induced improvements in ferroelectric liquid crystal. <i>Polymer Composites</i> , 2010, 31, 1776-1781. | 2.3 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Zinc Oxide (1% Cu) Nanoparticle in Nematic Liquid Crystal: Dielectric and Electro-Optical Study. Japanese Journal of Applied Physics, 2009, 48, 101501. | 0.8 | 72 |
| 236 | Phase transition studies of polymer-liquid crystal composite using dielectric and optical transmittance techniques. Polymer Composites, 2008, 29, 638-643. | 2.3 | 3 |
| 237 | Dielectric and electro-optical parameters of two ferroelectric liquid crystals: a comparative study. Physica Scripta, 2008, 78, 065602. | 1.2 | 24 |
| 238 | Dielectric Relaxation of FLC Showing Anomalous Behavior. Soft Materials, 2007, 5, 207-218. | 0.8 | 21 |
| 239 | Dielectric Relaxation of Dye-Doped Ferroelectric Liquid Crystal Mixture: A Comparative Study of Smectic C* and Smectic A Phase. Japanese Journal of Applied Physics, 2007, 46, 1100-1105. | 0.8 | 23 |
| 240 | Ferroelectric liquid crystals versus dyed ferroelectric liquid crystals in SmC [*] phase. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 371, 490-498. | 0.9 | 41 |
| 241 | Refractive Indices, Order Parameter and Principal Polarizability of Cholesteric Liquid Crystals and Their Mixtures. Molecular Crystals and Liquid Crystals, 2006, 454, 225/[627]-234/[636]. | 0.4 | 10 |
| 242 | Isolation and characterization of temperature-sensitive mutants of <i>Anabaena variabilis</i> impaired in nitrogen fixation. Folia Microbiologica, 1994, 39, 296-300. | 1.1 | 3 |
| 243 | Mn ²⁺ transport in the unicellular cyanobacterium <i>Anacystis nidulans</i> . Journal of Basic Microbiology, 1986, 26, 161-168. | 1.8 | 1 |
| 244 | Synthesis of Quantum Dot-Based Polymer Nanocomposites: Assessment of Their Thermoelectric Performances. Sustainable Energy and Fuels, 0, , . | 2.5 | 0 |