# Jia-De Lin

List of Publications by Year
in descending order



| 62 | 919 | 430874 | 501196 |
|---|---|---|---|
| papers | citations | 18 h-index | 28 g-index |

| 63 | 63 | 63 | 1010 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The realization of nipip HIT photodetectors with an optimized thickness of intrinsic a-Si:H. Materials Science in Semiconductor Processing, 2022, 144, 106590. | 4.0 | 0 |
| 2 | Spatially Patterned Polymer Dispersed Liquid Crystals for Imageâ€Integrated Smart Windows. Advanced Optical Materials, 2022, 10, . | 7.3 | 36 |
| 3 | Toward Fullâ€Color Tunable Chiroptical Electrothermochromic Devices Based on a Supramolecular Chiral Photonic Material. Advanced Optical Materials, 2021, 9, 2001796. | 7.3 | 19 |
| 4 | Improvement of the Centrifugal Force in Gravity Driven Method for the Fabrication of Highly Ordered and Submillimeter-Thick Colloidal Crystal. Polymers, 2021, 13, 692. | 4.5 | 2 |
| 5 | Thermal and optical manipulation of morphology in cholesteric liquid crystal microdroplets constrained on microfibers. Journal of Molecular Liquids, 2021, 328, 115383. | 4.9 | 2 |
| 6 | Microâ€Lifting Jack: Heatâ€•and Lightâ€Fueled 3D Symmetric Deformation of Braggâ€Onionâ€Like Beads with Fully Polymerized Chiral Networks. Advanced Optical Materials, 2021, 9, 2100667. | 7.3 | 7 |
| 7 | Control of Large-Area Orderliness of a 2D Supramolecular Chiral Microstructure by a 1D Interference Field. ACS Applied Materials & Interfaces, 2021, 13, 44916-44924. | 8.0 | 4 |
| 8 | Photothermal-Irradiated Polyethyleneimineâ€“Polypyrrole Nanopigment Film-Coated Polyethylene Fabrics for Infrared-Inspired with Pathogenic Evaluation. ACS Applied Materials & Interfaces, 2021, 13, 2483-2495. | 8.0 | 22 |
| 9 | Lightâ€Switching Surface Wettability of Chiral Liquid Crystal Networks by Dynamic Change in Nanoscale Topography. Macromolecular Rapid Communications, 2021, , 2100736. | 3.9 | 2 |
| 10 | Programmable Engineering of Sunlight-Fueled, Full-Wavelength-Tunable, and Chirality-Invertible Helical Superstructures. ACS Applied Materials & Interfaces, 2021, 13, 55550-55558. | 8.0 | 12 |
| 11 | Controllable Liquid Crystal Micro Tube Laser. Crystals, 2021, 11, 1510. | 2.2 | 0 |
| 12 | All-Optical and Polarization-Independent Tunable Guided-Mode Resonance Filter Based on a Dye-Doped Liquid Crystal Incorporated With Photonic Crystal Nanostructure. Journal of Lightwave Technology, 2020, 38, 820-826. | 4.6 | 1 |
| 13 | Color-Indicating, Label-Free, Dye-Doped Liquid Crystal Organic-Polymer-Based-Bioinspired Sensor for Biomolecule Immunodetection. Polymers, 2020, 12, 2294. | 4.5 | 8 |
| 14 | All-Optically Controllable Photonic Crystals Based on Chiral-Azobenzene-Doped Blue Phase Liquid Crystals. Crystals, 2020, 10, 906. | 2.2 | 3 |
| 15 | A Planar Fresnel Lens in Reflection Type Based on Azo-Dye-Doped Cholesteric Liquid Crystals Fabricated by Photo-Alignment. Polymers, 2020, 12, 2972. | 4.5 | 3 |
| 16 | Transmissive flexoelectro-optic liquid crystal optical phase modulator with 2Ï€ modulation. AIP Advances, 2020, 10, 055011. | 1.3 | 2 |
| 17 | All-Optical Directional Control of Emission in a Photonic Liquid Crystal Fiber Laser. Journal of Lightwave Technology, 2020, 38, 5149-5156. | 4.6 | 3 |
| 18 | Electrically Tunable Printed Bifocal Liquid Crystal Microlens Arrays. Advanced Materials Interfaces, 2020, 7, 2000578. | 3.7 | 9 |

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|---|---|---|---|
| 19 | Bio-inspired design of active photo-mechano-chemically dual-responsive photonic film based on cholesteric liquid crystal elastomers. Journal of Materials Chemistry C, 2020, 8, 5517-5524. | 5.5 | 40 |
| 20 | A Thinâ€Film Flexible Defectâ€Mode Laser. Advanced Optical Materials, 2020, 8, 1901891. | 7.3 | 14 |
| 21 | Optical Properties of Electrically Active Gold Nanoisland Films Enabled with Interfaced Liquid Crystals. Nanomaterials, 2020, 10, 290. | 4.1 | 7 |
| 22 | Label-Free Multi-Microfluidic Immunoassays with Liquid Crystals on Polydimethylsiloxane Biosensing Chips. Polymers, 2020, 12, 395. | 4.5 | 26 |
| 23 | Electrically Tunable Liquid-Crystalâ€“Polymer Composite Laser with Symmetric Sandwich Structure. Macromolecules, 2020, 53, 913-921. | 4.8 | 17 |
| 24 | Flexible Lasers: A Thinâ€Film Flexible Defectâ€Mode Laser (Advanced Optical Materials 8/2020). Advanced Optical Materials, 2020, 8, 2070034. | 7.3 | 1 |
| 25 | Enantiomorphic double-polymerized chiral polymer composite template for highly efficient energy-saving green window. Polymer, 2020, 200, 122586. | 3.8 | 1 |
| 26 | Micro-/Nanostructure-Stabilized Liquid-Crystalline Blue-Phase. , 2019, , . | | 0 |
| 27 | Fast and low loss flexoelectro-optic liquid crystal phase modulator with a chiral nematic reflector. Scientific Reports, 2019, 9, 7016. | 3.3 | 8 |
| 28 | A broadban-tunable photonic bandgap and thermally convertible laser with an ultra-low lasing threshold from a refilled chiral polymer template. Journal of Materials Chemistry C, 2019, 7, 4740-4747. | 5.5 | 18 |
| 29 | Label-free, color-indicating, and sensitive biosensors of cholesteric liquid crystals on a single vertically aligned substrate. Biomedical Optics Express, 2019, 10, 4636. | 2.9 | 26 |
| 30 | Optically controllable photonic crystals and passively tunable terahertz metamaterials using dye-doped liquid crystal cells. Journal of Materials Chemistry C, 2018, 6, 4959-4966. | 5.5 | 29 |
| 31 | Soft Matter Photonics. Advances in Condensed Matter Physics, 2018, 2018, 1-2. | 1.1 | 0 |
| 32 | Microstructure-Stabilized Blue Phase Liquid Crystals. ACS Omega, 2018, 3, 15435-15441. | 3.5 | 14 |
| 33 | Circular Polarization and Wavelength Selective Gratings Based on Holographic Cholesteric Liquid Crystal Templates. Advances in Condensed Matter Physics, 2018, 2018, 1-8. | 1.1 | 5 |
| 34 | Wavelength-Tunable and Highly Stable Perovskite-Quantum-Dot-Doped Lasers with Liquid Crystal Lasing Cavities. ACS Applied Materials & Interfaces, 2018, 10, 33307-33315. | 8.0 | 62 |
| 35 | Low-voltage tunable color in full visible region using ferroelectric liquid-crystal-doped cholesteric liquid-crystal smart materials. , 2018, , . | | 0 |
| 36 | Wide-band tunable photonic bandgap device and laser in dye-doped liquid crystal refilled cholesteric liquid crystal polymer template system. , 2017, , . | | 2 |

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|---|---|---|---|
| 37 | Widely tunable photonic bandgap and lasing emission in enantiomorphic cholesteric liquid crystal templates. Journal of Materials Chemistry C, 2017, 5, 3222-3228. | 5.5 | 22 |
| 38 | Electrohydrodynamics-Induced Abnormal Electro-Optic Characteristics in a Polymer-Dispersed Liquid Crystal Film. Crystals, 2017, 7, 227. | 2.2 | 1 |
| 39 | Optical and electro-optic properties of polymer-stabilized blue phase liquid crystal cells with photoalignment layers. Optics Express, 2017, 25, 28179. | 3.4 | 13 |
| 40 | External-Voltage-Free Dielectrophoresis of Liquid Crystal Droplets. Crystals, 2017, 7, 202. | 2.2 | 0 |
| 41 | Morphological appearances and photo-controllable coloration of dye-doped cholesteric liquid crystal/polymer coaxial microfibers fabricated by coaxial electrospinning technique. Optics Express, 2016, 24, 3112. | 3.4 | 18 |
| 42 | Multi-wavelength laser tuning based on cholesteric liquid crystals with nanoparticles. Journal Physics D: Applied Physics, 2016, 49, 165102. | 2.8 | 8 |
| 43 | Wide-Band Spatially Tunable Photonic Bandgap in Visible Spectral Range and Laser based on a Polymer Stabilized Blue Phase. Scientific Reports, 2016, 6, 30407. | 3.3 | 19 |
| 44 | Evidence of near-infrared partial photonic bandgap in polymeric rod-connected diamond structures. Optics Express, 2015, 23, 26565. | 3.4 | 17 |
| 45 | Performance evolution of color cone lasing emissions in dye-doped cholesteric liquid crystals at different fabrication conditions. Optics Express, 2015, 23, 10168. | 3.4 | 10 |
| 46 | Wide-band tunable photonic bandgaps based on nematic-refilling cholesteric liquid crystal polymer template samples. Optical Materials Express, 2015, 5, 1419. | 3.0 | 33 |
| 47 | Electrically and thermally controllable nanoparticle random laser in a well-aligned dye-doped liquid crystal cell. Optical Materials Express, 2015, 5, 1469. | 3.0 | 34 |
| 48 | Spatially tunable photonic bandgap of wide spectral range and lasing emission based on a blue phase wedge cell. Optics Express, 2014, 22, 29479. | 3.4 | 20 |
| 49 | Photosensitive and all-optically fast-controllable photonic bandgap device and laser in a dye-doped blue phase with a low-concentration azobenzene liquid crystal. Optics Express, 2014, 22, 9171. | 3.4 | 21 |
| 50 | Ultralow-threshold single-mode lasing based on a one-dimensional asymmetric photonic bandgap structure with liquid crystal as a defect layer. Optics Letters, 2014, 39, 3516. | 3.3 | 14 |
| 51 | An optically stable and tunable quantum dot nanocrystal-embedded cholesteric liquid crystal composite laser. Journal of Materials Chemistry C, 2014, 2, 4388-4394. | 5.5 | 54 |
| 52 | Thermally and Electrically Tunable Lasing Emission and Amplified Spontaneous Emission in a Composite of Inorganic Quantum Dot Nanocrystals and Organic Cholesteric Liquid Crystals. Advanced Optical Materials, 2013, 1, 637-643. | 7.3 | 27 |
| 53 | Liquid Crystals: Thermally and Electrically Tunable Lasing Emission and Amplified Spontaneous Emission in a Composite of Inorganic Quantum Dot Nanocrystals and Organic Cholesteric Liquid Crystals (Advanced Optical Materials 9/2013). Advanced Optical Materials, 2013, 1, 678-678. | 7.3 | 1 |
| 54 | Optically tunable/switchable omnidirectionally spherical microlaser based on a dye-doped cholesteric liquid crystal microdroplet with an azo-chiral dopant. Optics Express, 2013, 21, 15765. | 3.4 | 50 |

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| 55 | Unique spatial continuously tunable cone laser based on a dye-doped cholesteric liquid crystal with a birefringence gradient. Applied Physics B: Lasers and Optics, 2012, 109, 159-163. | 2.2 | 7 |
| 56 | Electrically and all-optically controllable random lasers based on dye-doped liquid crystal films. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 57 | Electrically controllable liquid crystal random lasers below the FrÃ©edericksz transition threshold. Optics Express, 2011, 19, 2391. | 3.4 | 55 |
| 58 | All-optically controllable dye-doped liquid crystal infiltrated photonic crystal fiber. Optics Express, 2011, 19, 9676. | 3.4 | 16 |
| 59 | Optically controllable and focus-tunable Fresnel lens in azo-dye-doped liquid crystals using a Sagnac interferometer. Optics Letters, 2011, 36, 1311. | 3.3 | 18 |
| 60 | All-optically controllable random laser based on a dye-doped liquid crystal added with a photoisomerizable dye. Optics Express, 2010, 18, 25896. | 3.4 | 39 |
| 61 | All-optically controllable distributed feedback laser in a dye-doped holographic polymer-dispersed liquid crystal grating with a photoisomerizable dye. Optics Express, 2010, 18, 2613. | 3.4 | 12 |
| 62 | Ultraâ€Broadband Tunable Braggâ€“Berry Optical Vortex Generators of a Circularly Symmetric Chiroptic Structure. Advanced Optical Materials, 0, , 2100746. | 7.3 | 5 |