# Yong Sheng Zhao

List of Publications by Year
in descending order

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| 247 papers | 12,918 citations | 20817 60 h-index | 32842 100 g-index |

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|---|---|---|---|
| 255 all docs | 255 docs citations | 255 times ranked | 10915 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Construction and Optoelectronic Properties of Organic One-Dimensional Nanostructures. Accounts of Chemical Research, 2010, 43, 409-418. | 15.6 | 398 |
| 2 | Lowâ€Dimensional Nanomaterials Based on Small Organic Molecules: Preparation and Optoelectronic Properties. Advanced Materials, 2008, 20, 2859-2876. | 21.0 | 384 |
| 3 | Organic Micro/Nanoscale Lasers. Accounts of Chemical Research, 2016, 49, 1691-1700. | 15.6 | 285 |
| 4 | Nanowire Waveguides and Ultraviolet Lasers Based on Small Organic Molecules. Advanced Materials, 2008, 20, 1661-1665. | 21.0 | 271 |
| 5 | Lanthanide Metalâ€“Organic Framework Microrods: Colored Optical Waveguides and Chiral Polarized Emission. Angewandte Chemie - International Edition, 2017, 56, 7853-7857. | 13.8 | 270 |
| 6 | Materials chemistry and engineering in metal halide perovskite lasers. Chemical Society Reviews, 2020, 49, 951-982. | 38.1 | 263 |
| 7 | Frontiers in circularly polarized luminescence: molecular design, self-assembly, nanomaterials, and applications. Science China Chemistry, 2021, 64, 2060-2104. | 8.2 | 248 |
| 8 | Optical Waveguide Based on Crystalline Organic Microtubes and Microrods. Angewandte Chemie - International Edition, 2008, 47, 7301-7305. | 13.8 | 223 |
| 9 | Two-Photon Pumped Lasing in Single-Crystal Organic Nanowire Exciton Polariton Resonators. Journal of the American Chemical Society, 2011, 133, 7276-7279. | 13.7 | 221 |
| 10 | Polymorphismâ€Dependent Emission for Di(pâ€methoxylphenyl)dibenzofulvene and Analogues: Optical Waveguide/Amplified Spontaneous Emission Behaviors. Advanced Functional Materials, 2012, 22, 4862-4872. | 14.9 | 220 |
| 11 | Controlling the Cavity Structures of Twoâ€Photonâ€Pumped Perovskite Microlasers. Advanced Materials, 2016, 28, 4040-4046. | 21.0 | 207 |
| 12 | A tetraphenylethene-substituted pyridinium salt with multiple functionalities: synthesis, stimuli-responsive emission, optical waveguide and specific mitochondrion imaging. Journal of Materials Chemistry C, 2013, 1, 4640. | 5.5 | 193 |
| 13 | Self-Assembly Solid-State Enhanced Red Emission of Quinolinemalononitrile: Optical Waveguides and Stimuli Response. ACS Applied Materials & Interfaces, 2013, 5, 192-198. | 8.0 | 183 |
| 14 | Lowâ€Threshold Wavelengthâ€Switchable Organic Nanowire Lasers Based on Excitedâ€State Intramolecular Proton Transfer. Angewandte Chemie - International Edition, 2015, 54, 7125-7129. | 13.8 | 183 |
| 15 | Controlling the Structures and Photonic Properties of Organic Nanomaterials by Molecular Design. Angewandte Chemie - International Edition, 2013, 52, 8713-8717. | 13.8 | 180 |
| 16 | Organic printed photonics: From microring lasers to integrated circuits. Science Advances, 2015, 1, e1500257. | 10.3 | 172 |
| 17 | Optical waveguides at micro/nanoscale based on functional small organic molecules. Physical Chemistry Chemical Physics, 2011, 13, 9060. | 2.8 | 156 |
| 18 | Vertical Organic Nanowire Arrays: Controlled Synthesis and Chemical Sensors. Journal of the American Chemical Society, 2009, 131, 3158-3159. | 13.7 | 155 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Full-color laser displays based on organic printed microlaser arrays. Nature Communications, 2019, 10, 870. | 12.8 | 153 |
| 20 | Output Coupling of Perovskite Lasers from Embedded Nanoscale Plasmonic Waveguides. Journal of the American Chemical Society, 2016, 138, 2122-2125. | 13.7 | 144 |
| 21 | A Single Crystal with Multiple Functions of Optical Waveguide, Aggregation-Induced Emission, and Mechanochromism. ACS Applied Materials & Interfaces, 2017, 9, 8910-8918. | 8.0 | 144 |
| 22 | Toxicity of ionic liquids: Database and prediction via quantitative structureâ€“activity relationship method. Journal of Hazardous Materials, 2014, 278, 320-329. | 12.4 | 142 |
| 23 | Broadband Tunable Microlasers Based on Controlled Intramolecular Charge-Transfer Process in Organic Supramolecular Microcrystals. Journal of the American Chemical Society, 2016, 138, 1118-1121. | 13.7 | 139 |
| 24 | Patterned Growth of Vertically Aligned Organic Nanowire Waveguide Arrays. ACS Nano, 2010, 4, 1630-1636. | 14.6 | 138 |
| 25 | Inorganic nanoparticle-based T1 and T1/T2 magnetic resonance contrast probes. Nanoscale, 2012, 4, 6235. | 5.6 | 138 |
| 26 | Enhanced proton and electron reservoir abilities of polyoxometalate grafted on graphene for high-performance hydrogen evolution. Energy and Environmental Science, 2016, 9, 1012-1023. | 30.8 | 138 |
| 27 | Wire-on-Wire Growth of Fluorescent Organic Heterojunctions. Journal of the American Chemical Society, 2012, 134, 2880-2883. | 13.7 | 133 |
| 28 | From Molecular Design and Materials Construction to Organic Nanophotonic Devices. Accounts of Chemical Research, 2014, 47, 3448-3458. | 15.6 | 131 |
| 29 | Organic nanophotonics: from controllable assembly of functional molecules to low-dimensional materials with desired photonic properties. Chemical Society Reviews, 2014, 43, 4325-4340. | 38.1 | 127 |
| 30 | Circularly Polarized Luminescence from Achiral Single Crystals of Hybrid Manganese Halides. Journal of the American Chemical Society, 2019, 141, 15755-15760. | 13.7 | 124 |
| 31 | Dual-color single-mode lasing in axially coupled organic nanowire resonators. Science Advances, 2017, 3, e1700225. | 10.3 | 122 |
| 32 | Directâ€Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing. Small, 2017, 13, 1603217. | 10.0 | 117 |
| 33 | Single Crystalline Submicrotubes from Small Organic Molecules. Chemistry of Materials, 2005, 17, 6430-6435. | 6.7 | 110 |
| 34 | 3D Laser Displays Based on Circularly Polarized Lasing from Cholesteric Liquid Crystal Arrays. Advanced Materials, 2021, 33, e2104418. | 21.0 | 109 |
| 35 | Engineering Donorâ€“Acceptor Heterostructure Metalâ€“Organic Framework Crystals for Photonic Logic Computation. Angewandte Chemie - International Edition, 2019, 58, 13890-13896. | 13.8 | 108 |
| 36 | Controlled Self-Assembly of Organic Composite Microdisks for Efficient Output Coupling of Whispering-Gallery-Mode Lasers. Journal of the American Chemical Society, 2015, 137, 62-65. | 13.7 | 103 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Wavelengthâ€Tunable Microlasers Based on the Encapsulation of Organic Dye in Metalâ€“Organic Frameworks. Advanced Materials, 2016, 28, 7424-7429. | 21.0 | 103 |
| 38 | A Cruciform Electron Donorâ€“Acceptor Semiconductor with Solidâ€State Red Emission: 1D/2D Optical Waveguides and Highly Sensitive/Selective Detection of H<sub>2</sub>S Gas. Advanced Functional Materials, 2014, 24, 4250-4258. | 14.9 | 96 |
| 39 | Flat-Panel Laser Displays Based on Liquid Crystal Microlaser Arrays. CCS Chemistry, 2020, 2, 369-375. | 7.8 | 95 |
| 40 | Heteroepitaxial Growth of Multiblock Lnâ€MOF Microrods for Photonic Barcodes. Angewandte Chemie - International Edition, 2019, 58, 13803-13807. | 13.8 | 94 |
| 41 | In Situ Visualization of Assembly and Photonic Signal Processing in a Triplet Light-Harvesting Nanosystem. Journal of the American Chemical Society, 2018, 140, 4269-4278. | 13.7 | 93 |
| 42 | Photoluminescent Anisotropy Amplification in Polymorphic Organic Nanocrystals by Light-Harvesting Energy Transfer. Journal of the American Chemical Society, 2019, 141, 6157-6161. | 13.7 | 92 |
| 43 | Coaxial Organic pâ€n Heterojunction Nanowire Arrays: Oneâ€Step Synthesis and Photoelectric Properties. Advanced Materials, 2012, 24, 2332-2336. | 21.0 | 88 |
| 44 | Twisted intramolecular charge transfer, aggregation-induced emission, supramolecular self-assembly and the optical waveguide of barbituric acid-functionalized tetraphenylethene. Journal of Materials Chemistry C, 2014, 2, 1801. | 5.5 | 87 |
| 45 | Hydrogen Peroxide Vapor Sensing with Organic Core/Sheath Nanowire Optical Waveguides. Advanced Materials, 2012, 24, OP194-9, OP186. | 21.0 | 81 |
| 46 | Recent Advances in Organic Oneâ€Dimensional Composite Materials: Design, Construction, and Photonic Elements for Information Processing. Advanced Materials, 2013, 25, 3627-3638. | 21.0 | 77 |
| 47 | Orientationâ€Controlled 2D Anisotropic and Isotropic Photon Transport in Coâ€crystal Polymorph Microplates. Angewandte Chemie - International Edition, 2020, 59, 4456-4463. | 13.8 | 77 |
| 48 | Photonic applications of one-dimensional organic single-crystalline nanostructures: optical waveguides and optically pumped lasers. Journal of Materials Chemistry, 2012, 22, 4136-4140. | 6.7 | 76 |
| 49 | Ionic liquids for absorption and separation of gases: An extensive database and a systematic screening method. AICHE Journal, 2017, 63, 1353-1367. | 3.6 | 76 |
| 50 | Selfâ€Modulated White Light Outcoupling in Doped Organic Nanowire Waveguides via the Fluctuations of Singlet and Triplet Excitons During Propagation. Advanced Materials, 2011, 23, 1380-1384. | 21.0 | 74 |
| 51 | 2,4,5-Triphenylimidazole Nanowires with Fluorescence Narrowing Spectra Prepared through the Adsorbent-Assisted Physical Vapor Deposition Method. Chemistry of Materials, 2006, 18, 2302-2306. | 6.7 | 71 |
| 52 | Spatially Responsive Multicolor Lanthanideâ€MOF Heterostructures for Covert Photonic Barcodes. Angewandte Chemie - International Edition, 2020, 59, 19060-19064. | 13.8 | 71 |
| 53 | Oneâ€Dimensional Organic Photonic Heterostructures: Rational Construction and Spatial Engineering of Excitonic Emission. Advanced Materials, 2012, 24, 1703-1708. | 21.0 | 68 |
| 54 | Highly Solidâ€State Emissive Pyridiniumâ€Substituted Tetraphenylethylene Salts: Emission Colorâ€Tuning with Counter Anions and Application for Optical Waveguides. Small, 2015, 11, 1335-1344. | 10.0 | 68 |

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| 55 | Switchable Single-Mode Perovskite Microlasers Modulated by Responsive Organic Microdisks. Nano Letters, 2018, 18, 1241-1245. | 9.1 | 67 |
| 56 | Wettabilityâ€Guided Screen Printing of Perovskite Microlaser Arrays for Currentâ€Driven Displays. Advanced Materials, 2020, 32, e2001999. | 21.0 | 66 |
| 57 | Controllable Growth of Highâ€Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. Advanced Materials, 2020, 32, e1908006. | 21.0 | 66 |
| 58 | Manipulation of Light Flows in Organic Colorâ€Graded Microstructures towards Integrated Photonic Heterojunction Devices. Advanced Materials, 2013, 25, 2854-2859. | 21.0 | 65 |
| 59 | Optical Modulation Based on Direct Photonâ€Plasmon Coupling in Organic/Metal Nanowire Heterojunctions. Advanced Materials, 2012, 24, 5681-5686. | 21.0 | 64 |
| 60 | 1,6- and 2,7-trans-Î²-Styryl Substituted Pyrenes Exhibiting Both Emissive and Semiconducting Properties in the Solid State. Chemistry of Materials, 2017, 29, 3580-3588. | 6.7 | 63 |
| 61 | Dual-Wavelength Switchable Vibronic Lasing in Single-Crystal Organic Microdisks. Nano Letters, 2017, 17, 91-96. | 9.1 | 63 |
| 62 | Two-Dimensional Pyramid-like WS<sub>2</sub> Layered Structures for Highly Efficient Edge Second-Harmonic Generation. ACS Nano, 2018, 12, 689-696. | 14.6 | 63 |
| 63 | An Optically Reconfigurable FÃ¶rster Resonance Energy Transfer Process for Broadband Switchable Organic Single-Mode Microlasers. CCS Chemistry, 2022, 4, 250-258. | 7.8 | 63 |
| 64 | Switch from Intra- to Intermolecular H-Bonds by Ultrasound: Induced Gelation and Distinct Nanoscale Morphologies. Langmuir, 2008, 24, 7635-7638. | 3.5 | 62 |
| 65 | Lanthanide MOFs for inducing molecular chirality of achiral stilbazolium with strong circularly polarized luminescence and efficient energy transfer for color tuning. Chemical Science, 2020, 11, 9154-9161. | 7.4 | 62 |
| 66 | Electrogenerated Chemiluminescence of Metalâ€“Organic Complex Nanowires: Reduced Graphene Oxide Enhancement and Biosensing Application. Advanced Materials, 2012, 24, 4745-4749. | 21.0 | 61 |
| 67 | Tetrahydro[5]helicene-based full-color emission dyes in both solution and solid states: synthesis, structures, photophysical properties and optical waveguide applications. Journal of Materials Chemistry C, 2014, 2, 8373-8380. | 5.5 | 60 |
| 68 | Controlled Synthesis of Organic Nanophotonic Materials with Specific Structures and Compositions. Advanced Materials, 2014, 26, 6852-6870. | 21.0 | 57 |
| 69 | Steric-Hindrance-Controlled Laser Switch Based on Pure Metalâ€“Organic Framework Microcrystals. Journal of the American Chemical Society, 2019, 141, 19959-19963. | 13.7 | 57 |
| 70 | Covert Photonic Barcodes Based on Light Controlled Acidichromism in Organic Dye Doped Whisperingâ€Galleryâ€Mode Microdisks. Advanced Materials, 2017, 29, 1701558. | 21.0 | 56 |
| 71 | Asymmetric photon transport in organic semiconductor nanowires through electrically controlled exciton diffusion. Science Advances, 2018, 4, eaap9861. | 10.3 | 56 |
| 72 | Tuning the Solid State Emission of the Carbazole and Cyanoâ€Substituted Tetraphenylethylene by Coâ€Crystallization with Solvents. Small, 2016, 12, 6554-6561. | 10.0 | 55 |

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| 73 | Organic Janus Microspheres: A General Approach to All-Color Dual-Wavelength Microlasers. Journal of the American Chemical Society, 2019, 141, 5116-5120. | 13.7 | 55 |
| 74 | Organic Microcrystal Vibronic Lasers with Fullâ€Spectrum Tunable Output beyond the Franckâ€“Condon Principle. Angewandte Chemie - International Edition, 2018, 57, 3108-3112. | 13.8 | 52 |
| 75 | Organic composite nanomaterials: energy transfers and tunable luminescent behaviors. New Journal of Chemistry, 2011, 35, 973. | 2.8 | 50 |
| 76 | Excimer Emission in Selfâ€Assembled Organic Spherical Microstructures: An Effective Approach to Wavelength Switchable Microlasers. Advanced Optical Materials, 2016, 4, 1009-1014. | 7.3 | 50 |
| 77 | Lanthanide Metalâ€“Organic Framework Microrods: Colored Optical Waveguides and Chiral Polarized Emission. Angewandte Chemie, 2017, 129, 7961-7965. | 2.0 | 50 |
| 78 | Starch-Based Biological Microlasers. ACS Nano, 2017, 11, 597-602. | 14.6 | 50 |
| 79 | Lightâ€Emitting Metalâ€“Organic Halide 1D and 2D Structures: Nearâ€Unity Quantum Efficiency, Lowâ€Loss Optical Waveguide and Highly Polarized Emission. Angewandte Chemie - International Edition, 2021, 60, 13548-13553. | 13.8 | 50 |
| 80 | Synthesis and applications of organic nanorods, nanowires and nanotubes. Annual Reports on the Progress of Chemistry Section C, 2013, 109, 211. | 4.4 | 49 |
| 81 | Room temperature excitonâ€“polariton Boseâ€“Einstein condensation in organic single-crystal microribbon cavities. Nature Communications, 2021, 12, 3265. | 12.8 | 48 |
| 82 | Selfâ€Assembled Organic Crystalline Microrings as Active Whisperingâ€Galleryâ€Mode Optical Resonators. Advanced Optical Materials, 2013, 1, 357-361. | 7.3 | 47 |
| 83 | Hexaphenylbenzeneâ€Based, Ïâ€Conjugated Snowflakeâ€Shaped Luminophores: Tunable Aggregationâ€Induced Emission Effect and Piezofluorochromism. Chemistry - A European Journal, 2015, 21, 8504-8510. | 3.3 | 47 |
| 84 | Stimulated Emission-Controlled Photonic Transistor on a Single Organic Triblock Nanowire. Journal of the American Chemical Society, 2018, 140, 13147-13150. | 13.7 | 47 |
| 85 | Organic coreâ€“shell nanostructures: microemulsion synthesis and upconverted emission. Chemical Communications, 2010, 46, 4959. | 4.1 | 46 |
| 86 | All-Color Subwavelength Output of Organic Flexible Microlasers. Journal of the American Chemical Society, 2017, 139, 11329-11332. | 13.7 | 46 |
| 87 | Solid-state fluorescent materials based on coumarin derivatives: polymorphism, stimuli-responsive emission, self-assembly and optical waveguides. Materials Chemistry Frontiers, 2018, 2, 910-916. | 5.9 | 46 |
| 88 | Experimentally Observed Reverse Intersystem Crossingâ€Boosted Lasing. Angewandte Chemie - International Edition, 2020, 59, 21677-21682. | 13.8 | 46 |
| 89 | Recent Advances in Microâ€/Nanostructured Metalâ€“Organic Frameworks towards Photonic and Electronic Applications. Chemistry - A European Journal, 2018, 24, 6484-6493. | 3.3 | 45 |
| 90 | Lowâ€Threshold Wavelengthâ€Switchable Organic Nanowire Lasers Based on Excitedâ€State Intramolecular Proton Transfer. Angewandte Chemie, 2015, 127, 7231-7235. | 2.0 | 42 |

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| 91 | Proton-Controlled Organic Microlaser Switch. ACS Nano, 2018, 12, 5734-5740. | 14.6 | 42 |
| 92 | Photonic skins based on flexible organic microlaser arrays. Science Advances, 2021, 7, . | 10.3 | 42 |
| 93 | Tailoring the structures and compositions of one-dimensional organic nanomaterials towards chemical sensing applications. Chemical Science, 2014, 5, 52-57. | 7.4 | 41 |
| 94 | Tuneable red, green, and blue single-mode lasing in heterogeneously coupled organic spherical microcavities. Light: Science and Applications, 2020, 9, 151. | 16.6 | 41 |
| 95 | Organic Printed Coreâ€“Shell Heterostructure Arrays: A Universal Approach to Allâ€Color Laser Display Panels. Angewandte Chemie - International Edition, 2020, 59, 11814-11818. | 13.8 | 41 |
| 96 | Fabrication, structural characterization and photoluminescence of single-crystal ZnxCd1â^'xS zigzag nanowires. Nanotechnology, 2006, 17, 4644-4649. | 2.6 | 40 |
| 97 | Embedded Branchâ€Like Organic/Metal Nanowire Heterostructures: Liquidâ€Phase Synthesis, Efficient Photonâ€Plasmon Coupling, and Optical Signal Manipulation. Advanced Materials, 2013, 25, 2784-2788. | 21.0 | 40 |
| 98 | Construction of Nanowire Heterojunctions: Photonic Functionâ€Oriented Nanoarchitectonics. Advanced Materials, 2016, 28, 1319-1326. | 21.0 | 40 |
| 99 | Controlled assembly of organic whispering-gallery-mode microlasers as highly sensitive chemical vapor sensors. Chemical Communications, 2017, 53, 3102-3105. | 4.1 | 40 |
| 100 | Controlling growth of molecular crystal aggregates for efficient optical waveguides. Chemical Communications, 2012, 48, 9011. | 4.1 | 39 |
| 101 | Tailoring the self-assembled structures and photonic properties of organic nanomaterials. Nanoscale, 2014, 6, 3467. | 5.6 | 39 |
| 102 | Lead-free thermochromic perovskites with tunable transition temperatures for smart window applications. Science China Chemistry, 2019, 62, 1257-1262. | 8.2 | 39 |
| 103 | Solvent modulated excited state processes of pushâ€“pull molecule with hybridized local excitation and intramolecular charge transfer character. Physical Chemistry Chemical Physics, 2019, 21, 3894-3902. | 2.8 | 39 |
| 104 | Hydrogen-Bonded Organic Framework Microlasers with Conformation-Induced Color-Tunable Output. ACS Applied Materials & Interfaces, 2021, 13, 28662-28667. | 8.0 | 39 |
| 105 | Hostâ€“guest composite organic microlasers. Journal of Materials Chemistry C, 2017, 5, 5600-5609. | 5.5 | 38 |
| 106 | Organic nanocrystals with tunable morphologies and optical properties prepared through a sonication technique. Physical Chemistry Chemical Physics, 2006, 8, 3300. | 2.8 | 37 |
| 107 | Exciton funneling in light-harvesting organic semiconductor microcrystals for wavelength-tunable lasers. Science Advances, 2019, 5, eaaw2953. | 10.3 | 37 |
| 108 | Efficient triphenylamine-based polymorphs with different mechanochromism and lasing emission: manipulating molecular packing and intermolecular interactions. Journal of Materials Chemistry C, 2019, 7, 4434-4440. | 5.5 | 37 |

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| 109 | Constructing small molecular AIE luminophores through a 2,2-(2,2-diphenylethene-1,1-diyl)dithiophene core and peripheral triphenylamine with applications in piezofluorochromism, optical waveguides, and explosive detection. Journal of Materials Chemistry C, 2016, 4, 8407-8415. | 5.5 | 35 |
| 110 | Hydrogen Sulfide Solubility in Ionic Liquids (ILs): An Extensive Database and a New ELM Model Mainly Established by Imidazolium-Based ILs. Journal of Chemical & Engineering Data, 2016, 61, 3970-3978. | 1.9 | 35 |
| 111 | Polymorph-Dependent Electrogenerated Chemiluminescence of Low-Dimensional Organic Semiconductor Structures for Sensing. ACS Applied Materials & Interfaces, 2017, 9, 8891-8899. | 8.0 | 35 |
| 112 | Surface tension driven aggregation of organic nanowires via lab in a droplet. Nanoscale, 2018, 10, 11006-11012. | 5.6 | 35 |
| 113 | Tailoring the Energy Levels and Cavity Structures toward Organic Cocrystal Microlasers. ACS Applied Materials & Interfaces, 2018, 10, 42740-42746. | 8.0 | 34 |
| 114 | Geometry-Programmable Perovskite Microlaser Patterns for Two-Dimensional Optical Encryption. Nano Letters, 2021, 21, 6792-6799. | 9.1 | 34 |
| 115 | Chiral Hybrid Perovskite Singleâ€Crystal Nanowire Arrays for Highâ€Performance Circularly Polarized Light Detection. Advanced Science, 2021, 8, e2102065. | 11.2 | 34 |
| 116 | Development of benzylidene-methyloxazolone based AIEgens and decipherment of their working mechanism. Journal of Materials Chemistry C, 2017, 5, 7191-7199. | 5.5 | 33 |
| 117 | Suppressing Nonradiative Processes of Organic Dye with Metalâ€“Organic Framework Encapsulation toward Near-Infrared Solid-State Microlasers. ACS Applied Materials & Interfaces, 2018, 10, 35455-35461. | 8.0 | 33 |
| 118 | Organic donor-acceptor heterojunctions for high performance circularly polarized light detection. Nature Communications, 2022, 13, . | 12.8 | 33 |
| 119 | Tuning Growth of Low-Dimensional Organic Nanostructures for Efficient Optical Waveguide Applications. Journal of Physical Chemistry C, 2012, 116, 14134-14138. | 3.1 | 32 |
| 120 | â€œHâ€â€like Organic Nanowire Heterojunctions Constructed from Cooperative Molecular Assembly for Photonic Applications. Advanced Science, 2015, 2, 1500130. | 11.2 | 32 |
| 121 | Smart responsive organic microlasers with multiple emission states for high-security optical encryption. National Science Review, 2021, 8, nwaa162. | 9.5 | 32 |
| 122 | Estimation of Heat Capacity of Ionic Liquids Using S<sub>Ïƒ-profile</sub> Molecular Descriptors. Industrial & Engineering Chemistry Research, 2015, 54, 12987-12992. | 3.7 | 31 |
| 123 | Experimentally Observed Reverse Intersystem Crossingâ€Boosted Lasing. Angewandte Chemie, 2020, 132, 21861-21866. | 2.0 | 31 |
| 124 | A Photoisomerizationâ€Activated Intramolecular Chargeâ€Transfer Process for Broadbandâ€Tunable Singleâ€Mode Microlasers. Angewandte Chemie - International Edition, 2020, 59, 15992-15996. | 13.8 | 31 |
| 125 | Pure Metalâ€“Organic Framework Microlasers with Controlled Cavity Shapes. Nano Letters, 2020, 20, 2020-2025. | 9.1 | 31 |
| 126 | Modulation of a fluorescence switch based on photochromic spirooxazine in composite organic nanoparticles. Nanotechnology, 2007, 18, 145707. | 2.6 | 30 |

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| 127 | Detection of chemical vapors with tunable emission of binary organic nanobelts. Physical Chemistry Chemical Physics, 2010, 12, 12935. | 2.8 | 30 |
| 128 | Arylacetyleneâ€Substituted Naphthalene Diimides with Dual Functions: Optical Waveguides and nâ€Type Semiconductors. Chemistry - an Asian Journal, 2014, 9, 3207-3214. | 3.3 | 30 |
| 129 | Optical Wavelength Filters Based on Photonic Confinement in Semiconductor Nanowire Homojunctions. Advanced Materials, 2014, 26, 620-624. | 21.0 | 29 |
| 130 | A flavone-based turn-on fluorescent probe for intracellular cysteine/homocysteine sensing with high selectivity. Talanta, 2016, 146, 41-48. | 5.5 | 29 |
| 131 | Randomly Induced Phase Transformation in Silk Proteinâ€Based Microlaser Arrays for Anticounterfeiting. Advanced Materials, 2021, 33, e2102586. | 21.0 | 29 |
| 132 | Thermally Activated Lasing in Organic Microcrystals toward Laser Displays. Journal of the American Chemical Society, 2021, 143, 20249-20255. | 13.7 | 29 |
| 133 | Exciton Polaritons in 1D Organic Nanocrystals. Advanced Functional Materials, 2012, 22, 1330-1332. | 14.9 | 28 |
| 134 | Controlled Synthesis of Bulk Polymer Nanocomposites with Tunable Second Order Nonlinear Optical Properties. Advanced Materials, 2012, 24, 2249-2253. | 21.0 | 28 |
| 135 | Organic Microlaser Arrays: From Materials Engineering to Optoelectronic Applications. Accounts of Materials Research, 2021, 2, 340-351. | 11.7 | 28 |
| 136 | Laterally Engineering Lanthanideâ€MOFs Epitaxial Heterostructures for Spatially Resolved Planar 2D Photonic Barcoding. Angewandte Chemie - International Edition, 2021, 60, 24519-24525. | 13.8 | 27 |
| 137 | Singleâ€Crystalline Perovskite pâ€“n Junction Nanowire Arrays for Ultrasensitive Photodetection. Advanced Materials, 2022, 34, . | 21.0 | 26 |
| 138 | Hybrid Top-Down/Bottom-Up Strategy Using Superwettability for the Fabrication of Patterned Colloidal Assembly. ACS Applied Materials & Interfaces, 2016, 8, 4985-4993. | 8.0 | 25 |
| 139 | Organic nanophotonic materials: the relationship between excited-state processes and photonic performances. Chemical Communications, 2016, 52, 8906-8917. | 4.1 | 25 |
| 140 | Superkinetic Growth of Oval Organic Semiconductor Microcrystals for Chaotic Lasing. Advanced Materials, 2021, 33, e2100484. | 21.0 | 25 |
| 141 | Photoluminescence quenching of conjugated polymer nanocomposites for gamma ray detection. Nanotechnology, 2008, 19, 505503. | 2.6 | 24 |
| 142 | Organic Microcrystal Vibronic Lasers with Fullâ€Spectrum Tunable Output beyond the Franckâ€“Condon Principle. Angewandte Chemie, 2018, 130, 3162-3166. | 2.0 | 24 |
| 143 | Epitaxial growth of dual-color-emitting organic heterostructuresviabinary solvent synergism driven sequential crystallization. Nanoscale, 2019, 11, 7111-7116. | 5.6 | 24 |
| 144 | Controlled Outcoupling of Whispering-Gallery-Mode Lasers Based on Self-Assembled Organic Single-Crystalline Microrings. Nano Letters, 2019, 19, 1098-1103. | 9.1 | 24 |

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|---|---|---|---|
| 145 | Full-color flexible laser displays based on random laser arrays. Science China Materials, 2021, 64, 2805-2812. | 6.3 | 24 |
| 146 | Framework-Shrinkage-Induced Wavelength-Switchable Lasing from a Single Hydrogen-Bonded Organic Framework Microcrystal. Journal of Physical Chemistry Letters, 2022, 13, 130-135. | 4.6 | 24 |
| 147 | An Aggregationâ€Induced Emission Luminogen with Efficient Luminescent Mechanochromism and Optical Waveguiding Properties. Asian Journal of Organic Chemistry, 2014, 3, 118-121. | 2.7 | 23 |
| 148 | Engineering Donorâ€“Acceptor Heterostructure Metalâ€“Organic Framework Crystals for Photonic Logic Computation. Angewandte Chemie, 2019, 131, 14028-14034. | 2.0 | 23 |
| 149 | Heteroepitaxial Growth of Multiblock Lnâ€MOF Microrods for Photonic Barcodes. Angewandte Chemie, 2019, 131, 13941-13945. | 2.0 | 23 |
| 150 | Topologicalâ€Distortionâ€Driven Amorphous Spherical Metalâ€Organic Frameworks for Highâ€Quality Singleâ€Mode Microlasers. Angewandte Chemie - International Edition, 2021, 60, 6362-6366. | 13.8 | 23 |
| 151 | Controlled Assembly of Organic Composite Microdisk/Microwire Heterostructures for Output Coupling of Dualâ€Color Lasers. Advanced Optical Materials, 2018, 6, 1701077. | 7.3 | 22 |
| 152 | Supramolecular Polymer-Based Fluorescent Microfibers for Switchable Optical Waveguides. ACS Applied Materials & Interfaces, 2018, 10, 26526-26532. | 8.0 | 22 |
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