# Qing Liao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6783295/publications.pdf

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| 102 | 5,618 | 94433 37 | 82547 72 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 107 | 107 | 107 | 6501 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Highly Stable Organic Solar Cells Based on an Ultraviolet-Resistant Cathode Interfacial Layer. CCS Chemistry, 2022, 4, 938-948. | 7.8 | 42 |
| 2 | J-aggregation enhanced thermally activated delayed fluorescence for amplified spontaneous emission. Cell Reports Physical Science, 2022, 3, 100686. | 5.6 | 6 |
| 3 | Molecular engineering of excited-state process for multicolor microcrystalline lasers. Journal of Materials Chemistry C, 2022, 10, 4166-4172. | 5.5 | 1 |
| 4 | Cocrystallization tailoring radiative decay pathways for thermally activated delayed fluorescence and room-temperature phosphorescence emission. Nanoscale, 2022, 14, 6305-6311. | 5.6 | 7 |
| 5 | A New PEDOT Derivative for Efficient Organic Solar Cell with a Fill Factor of 0.80. Advanced Energy Materials, 2022, 12, . | 19.5 | 52 |
| 6 | Selfâ€Erase Forceâ€Induced Turnâ€On Organic ASE Output Cryptographic Primitive for Advanced Multiple Information Encryption. Laser and Photonics Reviews, 2022, 16, . | 8.7 | 4 |
| 7 | Realization of Excitonâ€Mediated Optical Spinâ€Orbit Interaction in Organic Microcrystalline Resonators. Laser and Photonics Reviews, 2022, 16, . | 8.7 | 10 |
| 8 | Multicolor Biexciton Lasers Based on 2D Perovskite Single Crystalline Flakes. Advanced Optical Materials, 2022, 10, . | 7.3 | 7 |
| 9 | Excitation-Wavelength-Dependent Organic Long-Persistent Luminescence Originating from Excited-State Long-Range Proton Transfer. Journal of the American Chemical Society, 2022, 144, 12652-12660. | 13.7 | 40 |
| 10 | High-Performance Organic Laser Semiconductor Enabling Efficient Light-Emitting Transistors and Low-Threshold Microcavity Lasers. Nano Letters, 2022, 22, 5803-5809. | 9.1 | 15 |
| 11 | Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. Angewandte Chemie, 2021, 133, 285-293. | 2.0 | 7 |
| 12 | Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. Angewandte Chemie - International Edition, 2021, 60, 281-289. | 13.8 | 33 |
| 13 | Colorâ€and Dimensionâ€Tunable Lightâ€Harvesting Organic Chargeâ€Transfer Alloys for Controllable Photonâ€Transport Photonics. Angewandte Chemie - International Edition, 2021, 60, 3037-3046. | 13.8 | 30 |
| 14 | Nontrivial band geometry in an optically active system. Nature Communications, 2021, 12, 689. | 12.8 | 38 |
| 15 | Quantum metric and wave packets at exceptional points in non-Hermitian systems. Physical Review B, 2021, 103, . | 3.2 | 20 |
| 16 | Tunable Triplet-Mediated Multicolor Lasing from Nondoped Organic TADF Microcrystals. Nano Letters, 2021, 21, 3287-3294. | 9.1 | 28 |
| 17 | High Optical Gain of Solutionâ€Processed Mixedâ€Cation CsPbBr<sub>3</sub> Thin Films towards Enhanced Amplified Spontaneous Emission. Advanced Functional Materials, 2021, 31, 2102210. | 14.9 | 35 |
| 18 | Organic Nanoparticles-Assisted Low-Power STED Nanoscopy. Nano Letters, 2021, 21, 3487-3494. | 9.1 | 15 |

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|---|---|---|---|
| 19 | Solutionâ€Processed Largeâ€Scale Concentricâ€Ring Laser on Twoâ€Dimensional Ruddlesdenâ€“Popper Perovskites Thin Films. Advanced Optical Materials, 2021, 9, 2100193. | 7.3 | 8 |
| 20 | Regulation of Thermally Activated Delayed Fluorescence to Roomâ€Temperature Phosphorescent Emission Channels by Controlling the Excitedâ€States Dynamics via Jâ€•and Hâ€Aggregation. Angewandte Chemie - International Edition, 2021, 60, 18059-18064. | 13.8 | 109 |
| 21 | Regulation of Thermally Activated Delayed Fluorescence to Roomâ€Temperature Phosphorescent Emission Channels by Controlling the Excitedâ€States Dynamics via Jâ€•and Hâ€Aggregation. Angewandte Chemie, 2021, 133, 18207-18212. | 2.0 | 15 |
| 22 | High Mobility Organic Lasing Semiconductor with Crystallizationâ€Enhanced Emission for Lightâ€Emitting Transistors. Angewandte Chemie - International Edition, 2021, 60, 20274-20279. | 13.8 | 23 |
| 23 | Experimental Measurement of the Divergent Quantum Metric of an Exceptional Point. Physical Review Letters, 2021, 127, 107402. | 7.8 | 36 |
| 24 | Highly emissive near-infrared solid organic fluorophores for visualization of latent fingerprints based on the powder dusting method. Journal of Materials Chemistry C, 2021, 9, 7345-7350. | 5.5 | 25 |
| 25 | Design of thermally activated delayed fluorescent emitters for organic solid-state microlasers. Journal of Materials Chemistry C, 2021, 9, 7400-7406. | 5.5 | 18 |
| 26 | Electrically Switchable Amplified Spontaneous Emission from Lead Halide Perovskite Film. ACS Omega, 2021, 6, 34021-34026. | 3.5 | 4 |
| 27 | Tailoring and Modifying an Organic Electron Acceptor toward the Cathode Interlayer for Highly Efficient Organic Solar Cells. Advanced Materials, 2020, 32, e1906557. | 21.0 | 109 |
| 28 | High performance single-crystalline organic field-effect transistors based on molecular-modified dibenzo[a,e]pentalenes derivatives. New Journal of Chemistry, 2020, 44, 17552-17557. | 2.8 | 10 |
| 29 | Inorganic Molecular Clusters with Facile Preparation and Neutral pH for Efficient Hole Extraction in Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 39462-39470. | 8.0 | 14 |
| 30 | Breaking Kashaâ€™s Rule as a Mechanism for Solution-Phase Room-Temperature Phosphorescence from High-Lying Triplet Excited State. Journal of Physical Chemistry Letters, 2020, 11, 8246-8251. | 4.6 | 23 |
| 31 | Remotely Photocontrolled Microrobots based on Photomechanical Molecular Crystals. ACS Applied Materials & Interfaces, 2020, 12, 27493-27498. | 8.0 | 14 |
| 32 | tert-Butyl-substituted bicarbazole as a bipolar host material for efficient green and yellow PhOLEDs. New Journal of Chemistry, 2020, 44, 10472-10478. | 2.8 | 9 |
| 33 | Organic Laser Molecule with High Mobility, High Photoluminescence Quantum Yield, and Deep-Blue Lasing Characteristics. Journal of the American Chemical Society, 2020, 142, 6332-6339. | 13.7 | 90 |
| 34 | Tuning the Hybridization of Local Exciton and Chargeâ€Transfer States in Highly Efficient Organic Photovoltaic Cells. Angewandte Chemie - International Edition, 2020, 59, 9004-9010. | 13.8 | 144 |
| 35 | Lasing from an Organic Microâ€Helix. Angewandte Chemie - International Edition, 2020, 59, 11080-11086. | 13.8 | 19 |
| 36 | Lasing from an Organic Microâ€Helix. Angewandte Chemie, 2020, 132, 11173-11179. | 2.0 | 6 |

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| 37 | Tuning the Hybridization of Local Exciton and Chargeâ€Transfer States in Highly Efficient Organic Photovoltaic Cells. Angewandte Chemie, 2020, 132, 9089-9095. | 2.0 | 24 |
| 38 | Highly Sensitive and Easily Recoverable Excitonic Piezochromic Fluorescent Materials for Haptic Sensors and Antiâ€Counterfeiting Applications. Advanced Functional Materials, 2020, 30, 2000105. | 14.9 | 70 |
| 39 | Fluorescent chemo-sensors based on â€œdually smartâ€•optical micro/nano-waveguides lithographically fabricated with AIE composite resins. Materials Horizons, 2020, 7, 1782-1789. | 12.2 | 19 |
| 40 | Efficient Bosonic Condensation of Exciton Polaritons in an H-Aggregate Organic Single-Crystal Microcavity. Nano Letters, 2020, 20, 7550-7557. | 9.1 | 23 |
| 41 | Control of molecular packing toward a lateral microresonator for microlaser array. Journal of Materials Chemistry C, 2020, 8, 8531-8537. | 5.5 | 9 |
| 42 | Ecoâ€Compatible Solventâ€Processed Organic Photovoltaic Cells with Over 16% Efficiency. Advanced Materials, 2019, 31, e1903441. | 21.0 | 445 |
| 43 | Excitedâ€State Modulation for Controlling Fluorescence and Phosphorescence Pathways toward Whiteâ€Light Emission. Advanced Optical Materials, 2019, 7, 1900767. | 7.3 | 34 |
| 44 | Wavelength-Turnable Organic Microring Laser Arrays from Thermally Activated Delayed Fluorescent Emitters. ACS Photonics, 2019, 6, 3208-3214. | 6.6 | 42 |
| 45 | Organic nanoparticles with ultrahigh stimulated emission depletion efficiency for low-power STED nanoscopy. Nanoscale, 2019, 11, 12990-12996. | 5.6 | 16 |
| 46 | Modulation of Amplified Spontaneous Emissions between Singlet Fluorescence and Triplet Phosphorescence Channels in Organic Dye Lasers. Laser and Photonics Reviews, 2019, 13, 1900036. | 8.7 | 14 |
| 47 | p-Doped Conducting Polyelectrolyte as an Anode Interlayer Enables High Efficiency for 1 cm<sup>2</sup> Printed Organic Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 20205-20213. | 8.0 | 28 |
| 48 | Tunable Halide Perovskites for Miniaturized Solidâ€State Laser Applications. Advanced Optical Materials, 2019, 7, 1900099. | 7.3 | 47 |
| 49 | Oriented Growth of Ultrathin Single Crystals of 2D Ruddlesdenâ€“Popper Hybrid Lead Iodide Perovskites for High-Performance Photodetectors. ACS Applied Materials & Interfaces, 2019, 11, 15905-15912. | 8.0 | 43 |
| 50 | Significant Effect of Fluorination on Simultaneously Improving Work Function and Transparency of Anode Interlayer for Organic Solar Cells. Advanced Energy Materials, 2019, 9, 1803826. | 19.5 | 21 |
| 51 | Amplified Spontaneous Emission Based on 2D Ruddlesdenâ€“Popper Perovskites. Advanced Functional Materials, 2018, 28, 1707006. | 14.9 | 129 |
| 52 | 2D Ruddlesdenâ€“Popper Perovskites Microring Laser Array. Advanced Materials, 2018, 30, e1706186. | 21.0 | 190 |
| 53 | A Twoâ€Dimensional Ruddlesdenâ€“Popper Perovskite Nanowire Laser Array based on Ultrafast Lightâ€Harvesting Quantum Wells. Angewandte Chemie - International Edition, 2018, 57, 7748-7752. | 13.8 | 72 |
| 54 | A Twoâ€Dimensional Ruddlesdenâ€“Popper Perovskite Nanowire Laser Array based on Ultrafast Lightâ€Harvesting Quantum Wells. Angewandte Chemie, 2018, 130, 7874-7878. | 2.0 | 24 |

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| 55 | Cluster-Mediated Nucleation and Growth of J- and H-Type Polymorphs of Difluoroboron Avobenzone for Organic Microribbon Lasers. ACS Nano, 2018, 12, 5359-5367. | 14.6 | 45 |
| 56 | Organic field-effect optical waveguides. Nature Communications, 2018, 9, 4790. | 12.8 | 85 |
| 57 | Compositionâ€Graded Cesium Lead Halide Perovskite Nanowires with Tunable Dualâ€Color Lasing Performance. Advanced Materials, 2018, 30, e1800596. | 21.0 | 99 |
| 58 | Soft Lithography to Fabricate 3D Patterning Organic Microrings towards Highâ€Performance Nearâ€Infrared Laser Arrays. Advanced Optical Materials, 2018, 6, 1800219. | 7.3 | 14 |
| 59 | Intracellular near-Infrared Microlaser Probes Based on Organic Microsphereâ€“SiO<sub>2</sub> Coreâ€“Shell Structures for Cell Tagging and Tracking. ACS Applied Materials & Interfaces, 2018, 10, 32981-32987. | 8.0 | 24 |
| 60 | The effect of 1D- and 2D-polymorphs on organic single-crystal optoelectronic devices: lasers and field effect transistors. Journal of Materials Chemistry C, 2018, 6, 7994-8002. | 5.5 | 24 |
| 61 | Patterning Multicolored Microdisk Laser Arrays of Cesium Lead Halide Perovskite. Advanced Materials, 2017, 29, 1604510. | 21.0 | 182 |
| 62 | Embedding Perovskite Nanocrystals into a Polymer Matrix for Tunable Luminescence Probes in Cell Imaging. Advanced Functional Materials, 2017, 27, 1604382. | 14.9 | 328 |
| 63 | Latticeâ€Matched Epitaxial Growth of Organic Heterostructures for Integrated Optoelectronic Application. Angewandte Chemie - International Edition, 2017, 56, 3616-3620. | 13.8 | 68 |
| 64 | Latticeâ€Matched Epitaxial Growth of Organic Heterostructures for Integrated Optoelectronic Application. Angewandte Chemie, 2017, 129, 3670-3674. | 2.0 | 23 |
| 65 | Organic Phosphorescence Nanowire Lasers. Journal of the American Chemical Society, 2017, 139, 6376-6381. | 13.7 | 166 |
| 66 | Organicâ€“Inorganic Hybrid Perovskite Nanowire Laser Arrays. ACS Nano, 2017, 11, 5766-5773. | 14.6 | 244 |
| 67 | Luminescence emission-modulated based on specific two-photon compound of triazole-conjugated pyrene derivative. RSC Advances, 2017, 7, 19002-19006. | 3.6 | 7 |
| 68 | Benzoindolic squaraine dyes with a large two-photon absorption cross-section. Journal of Materials Chemistry C, 2017, 5, 1224-1230. | 5.5 | 30 |
| 69 | Polymorphâ€Dependent Green, Yellow, and Red Emissions of Organic Crystals for Laser Applications. Chemistry - an Asian Journal, 2017, 12, 2985-2990. | 3.3 | 16 |
| 70 | Tuning the organic microcrystal laser wavelength of ESIPT-active compounds via controlling the excited enol* and keto* emissions. Journal of Materials Chemistry C, 2017, 5, 12235-12240. | 5.5 | 38 |
| 71 | Controlled Substitution of Chlorine for Iodine in Single-Crystal Nanofibers of Mixed Perovskite MAPbI<sub>3-</sub><sub>x</sub>Cl<sub>x</sub>. Small, 2016, 12, 3780-3787. | 10.0 | 20 |
| 72 | Colorimetric detection of lysozyme based on its effect on the growth of gold nanoparticles induced by the reaction of chloroauric acid and hydroxylamine. Mikrochimica Acta, 2016, 183, 3135-3141. | 5.0 | 10 |

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| 73 | Photodetectors: Controlled Substitution of Chlorine for Iodine in Single-Crystal Nanofibers of Mixed Perovskite MAPbI<sub>3-</sub><sub>x</sub>Cl<sub>x</sub>(Small 28/2016). Small, 2016, 12, 3880-3880. | 10.0 | 0 |
| 74 | An Organic Microlaser Array Based on a Lateral Microcavity of a Single Jâ€aggregation Microbelt. Angewandte Chemie, 2015, 127, 7143-7147. | 2.0 | 2 |
| 75 | Perovskite Microdisk Microlasers Selfâ€Assembled from Solution. Advanced Materials, 2015, 27, 3405-3410. | 21.0 | 352 |
| 76 | Self-Assembled Microdisk Lasers of Perylenediimides. Journal of the American Chemical Society, 2015, 137, 15105-15111. | 13.7 | 88 |
| 77 | Near-Infrared Lasing from Small-Molecule Organic Hemispheres. Journal of the American Chemical Society, 2015, 137, 9289-9295. | 13.7 | 133 |
| 78 | An Organic Microlaser Array Based on a Lateral Microcavity of a Single Jâ€aggregation Microbelt. Angewandte Chemie - International Edition, 2015, 54, 7037-7041. | 13.8 | 34 |
| 79 | Colorimetric Signal Amplification Assay for Mercury Ions Based on the Catalysis of Gold Amalgam. Analytical Chemistry, 2015, 87, 10963-10968. | 6.5 | 57 |
| 80 | Rational design of small indolic squaraine dyes with large two-photon absorption cross section. Chemical Science, 2015, 6, 761-769. | 7.4 | 69 |
| 81 | Perylene crystals: tuning optoelectronic properties by dimensional-controlled synthesis. Journal of Materials Chemistry C, 2014, 2, 9695-9700. | 5.5 | 27 |
| 82 | Whisperingâ€Galleryâ€Mode Microlaser Based on Selfâ€Assembled Organic Singleâ€Crystalline Hexagonal Microdisks. Angewandte Chemie - International Edition, 2014, 53, 5863-5867. | 13.8 | 126 |
| 83 | Exciton-Polaritons with Size-Tunable Coupling Strengths in Self-Assembled Organic Microresonators. ACS Photonics, 2014, 1, 413-420. | 6.6 | 43 |
| 84 | An organic nanowire waveguide excitonâ€“polariton sub-microlaser and its photonic application. Journal of Materials Chemistry C, 2014, 2, 2773-2778. | 5.5 | 38 |
| 85 | Whispering Gallery Mode Laser Based on a Selfâ€Assembled Organic Octahedron Microcrystal Microresonator. Advanced Optical Materials, 2014, 2, 1160-1166. | 7.3 | 15 |
| 86 | Highly stable Agâ€“Au nanoplates and nanoframes for two-photon luminescence. RSC Advances, 2014, 4, 35263. | 3.6 | 14 |
| 87 | Shape-Engineering of Self-Assembled Organic Single Microcrystal as Optical Microresonator for laser Applications. Scientific Reports, 2014, 4, 7011. | 3.3 | 81 |
| 88 | Full-color tunable organic nanoparticles with FRET-assisted enhanced two-photon excited fluorescence for bio-imaging. Journal of Materials Chemistry B, 2013, 1, 6035. | 5.8 | 20 |
| 89 | Low threshold photonic crystal lasing from a dye with high emission quantum yield and weak self-quenching. Journal of Materials Chemistry C, 2013, 1, 6157. | 5.5 | 7 |
| 90 | Lowâ€Threshold Nanolasers Based on Slabâ€Nanocrystals of Hâ€Aggregated Organic Semiconductors. Advanced Materials, 2012, 24, OP216-20. | 21.0 | 106 |

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| 91 | Self-assembly of twisted tetrachloroperylenediimide chromophores into two dimensional brick-stone aggregates: exciton dynamics and photoconductivity. Chemical Communications, 2012, 48, 6402. | 4.1 | 27 |
| 92 | Water-miscible organic J-aggregate nanoparticles as efficient two-photon fluorescent nano-probes for bio-imaging. Journal of Materials Chemistry, 2012, 22, 17737. | 6.7 | 53 |
| 93 | Modification of the Green Fluorescent Protein Chromophore with Large Aromatic Moieties: Photophysical Study and Solidâ€State Emission. Asian Journal of Organic Chemistry, 2012, 1, 352-358. | 2.7 | 22 |
| 94 | 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 |
| 95 | Tunable two-photon pumped lasing from alloyed semiconductor nanoribbons. Journal of Materials Chemistry, 2011, 21, 4837. | 6.7 | 8 |
| 96 | Innentitelbild: Cooperative Assembly of Binary Molecular Components into Tubular Structures for Multiple Photonic Applications (Angew. Chem. 21/2011). Angewandte Chemie, 2011, 123, 4812-4812. | 2.0 | 0 |
| 97 | Cooperative Assembly of Binary Molecular Components into Tubular Structures for Multiple Photonic Applications. Angewandte Chemie - International Edition, 2011, 50, 4942-4946. | 13.8 | 48 |
| 98 | Inside Cover: Cooperative Assembly of Binary Molecular Components into Tubular Structures for Multiple Photonic Applications (Angew. Chem. Int. Ed. 21/2011). Angewandte Chemie - International Edition, 2011, 50, 4716-4716. | 13.8 | 1 |
| 99 | Ir(ppy)<sub>3</sub>phosphorescent microrods and nanowires: promising micro-phosphors. Journal of Materials Chemistry, 2009, 19, 89-96. | 6.7 | 61 |
| 100 | Phase- and Shape-Controlled Synthesis of Single Crystalline Perylene Nanosheets and Its Optical Properties. Journal of Physical Chemistry C, 2009, 113, 10038-10043. | 3.1 | 107 |
| 101 | Surface-enhanced Raman scattering and DFT computational studies of a benzotriazole derivative. Journal of Molecular Structure, 2008, 888, 2-6. | 3.6 | 5 |
| 102 | Excitedâ€Stateâ€Modulated Dualâ€Wavelength Singleâ€Mode Lasing from a Singleâ€Component Organic Microbelt. Advanced Optical Materials, 0, , 2200270. | 7.3 | 2 |