

Wong, Kam Sing

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7075189/wong-kam-sing-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

131
papers

7,146
citations

49
h-index

83
g-index

148
ext. papers

8,664
ext. citations

10.9
avg, IF

6.04
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 131 | Pinhole-Free and Surface-Nanostructured NiOx Film by Room-Temperature Solution Process for High-Performance Flexible Perovskite Solar Cells with Good Stability and Reproducibility. <i>ACS Nano</i> , 2016 , 10, 1503-11 | 16.7 | 390 |
| 130 | What makes efficient circularly polarised luminescence in the condensed phase: aggregation-induced circular dichroism and light emission. <i>Chemical Science</i> , 2012 , 3, 2737 | 9.4 | 297 |
| 129 | Solvent Engineering Boosts the Efficiency of Paintable Carbon-Based Perovskite Solar Cells to Beyond 14%. <i>Advanced Energy Materials</i> , 2016 , 6, 1502087 | 21.8 | 262 |
| 128 | A superamplification effect in the detection of explosives by a fluorescent hyperbranched poly(silylenephenylene) with aggregation-enhanced emission characteristics. <i>Polymer Chemistry</i> , 2010 , 1, 426-429 | 4.9 | 247 |
| 127 | Effects of a Molecular Monolayer Modification of NiO Nanocrystal Layer Surfaces on Perovskite Crystallization and Interface Contact toward Faster Hole Extraction and Higher Photovoltaic Performance. <i>Advanced Functional Materials</i> , 2016 , 26, 2950-2958 | 15.6 | 239 |
| 126 | Two-photon AIE bio-probe with large Stokes shift for specific imaging of lipid droplets. <i>Chemical Science</i> , 2017 , 8, 5440-5446 | 9.4 | 234 |
| 125 | Delocalization of exciton and electron wavefunction in non-fullerene acceptor molecules enables efficient organic solar cells. <i>Nature Communications</i> , 2020 , 11, 3943 | 17.4 | 222 |
| 124 | Effect of Native Defects on Photocatalytic Properties of ZnO. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 11095-11101 | 3.8 | 209 |
| 123 | Bright Near-Infrared Aggregation-Induced Emission Luminogens with Strong Two-Photon Absorption, Excellent Organelle Specificity, and Efficient Photodynamic Therapy Potential. <i>ACS Nano</i> , 2018 , 12, 8145-8159 | 16.7 | 199 |
| 122 | A Smooth CH ₃ NH ₃ PbI ₃ Film via a New Approach for Forming the PbI ₂ Nanostructure Together with Strategically High CH ₃ NH ₃ I Concentration for High Efficient Planar-Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2015 , 5, 1501354 | 21.8 | 193 |
| 121 | Efficient Light Emitters in the Solid State: Synthesis, Aggregation-Induced Emission, Electroluminescence, and Sensory Properties of Luminogens with Benzene Cores and Multiple Triarylvinyl Peripherals. <i>Advanced Functional Materials</i> , 2012 , 22, 378-389 | 15.6 | 189 |
| 120 | Circularly-Polarized Luminescence (CPL) from Chiral AIE Molecules and Macrostructures. <i>Small</i> , 2016 , 12, 6495-6512 | 11 | 170 |
| 119 | A tetraphenylethene-substituted pyridinium salt with multiple functionalities: synthesis, stimuli-responsive emission, optical waveguide and specific mitochondrion imaging. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4640 | 7.1 | 167 |
| 118 | An AIE-active hemicyanine fluorogen with stimuli-responsive red/blue emission: extending the pH sensing range by a switch + knob effect. <i>Chemical Science</i> , 2012 , 3, 1804 | 9.4 | 159 |
| 117 | Boron Doping of Multiwalled Carbon Nanotubes Significantly Enhances Hole Extraction in Carbon-Based Perovskite Solar Cells. <i>Nano Letters</i> , 2017 , 17, 2496-2505 | 11.5 | 138 |
| 116 | Why Do Simple Molecules with "Isolated" Phenyl Rings Emit Visible Light?. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16264-16272 | 16.4 | 130 |
| 115 | A pure and stable intermediate phase is key to growing aligned and vertically monolithic perovskite crystals for efficient PIN planar perovskite solar cells with high processibility and stability. <i>Nano Energy</i> , 2017 , 34, 58-68 | 17.1 | 123 |

| | | | |
|-----|---|------|-----|
| 114 | Non-conventional fluorescent biogenic and synthetic polymers without aromatic rings. <i>Polymer Chemistry</i> , 2017 , 8, 1722-1727 | 4.9 | 113 |
| 113 | Hyperbranched conjugated poly(tetraphenylethene): synthesis, aggregation-induced emission, fluorescent photopatterning, optical limiting and explosive detection. <i>Polymer Chemistry</i> , 2012 , 3, 1481 | 4.9 | 111 |
| 112 | 16% efficiency all-polymer organic solar cells enabled by a finely tuned morphology via the design of ternary blend. <i>Joule</i> , 2021 , 5, 914-930 | 27.8 | 110 |
| 111 | L-Valine methyl ester-containing tetraphenylethene: aggregation-induced emission, aggregation-induced circular dichroism, circularly polarized luminescence, and helical self-assembly. <i>Materials Horizons</i> , 2014 , 1, 518-521 | 14.4 | 98 |
| 110 | Aggregation-induced chirality, circularly polarized luminescence, and helical self-assembly of a leucine-containing AIE luminogen. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2399-2404 | 7.1 | 96 |
| 109 | Functionalized Acrylonitriles with Aggregation-Induced Emission: Structure Tuning by Simple Reaction-Condition Variation, Efficient Red Emission, and Two-Photon Bioimaging. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15111-15120 | 16.4 | 93 |
| 108 | Two Are Better Than One: A Design Principle for Ultralong-Persistent Luminescence of Pure Organics. <i>Advanced Materials</i> , 2020 , 32, e2001026 | 24 | 91 |
| 107 | Specific Two-Photon Imaging of Live Cellular and Deep-Tissue Lipid Droplets by Lipophilic AIEgens at Ultralow Concentration. <i>Chemistry of Materials</i> , 2018 , 30, 4778-4787 | 9.6 | 88 |
| 106 | Light-Emitting Liquid Crystal Displays Based on an Aggregation-Induced Emission Luminogen. <i>Advanced Optical Materials</i> , 2015 , 3, 199-202 | 8.1 | 87 |
| 105 | Multifunctional AIEgens: Ready Synthesis, Tunable Emission, Mechanochromism, Mitochondrial, and Bacterial Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1704589 | 15.6 | 84 |
| 104 | Designing nanobowl arrays of mesoporous TiO ₂ s as an alternative electron transporting layer for carbon cathode-based perovskite solar cells. <i>Nanoscale</i> , 2016 , 8, 6393-402 | 7.7 | 80 |
| 103 | Selective Hole and Electron Transport in Efficient Quaternary Blend Organic Solar Cells. <i>Joule</i> , 2020 , 4, 1790-1805 | 27.8 | 79 |
| 102 | Highly efficient singlet oxygen generation, two-photon photodynamic therapy and melanoma ablation by rationally designed mitochondria-specific near-infrared AIEgens. <i>Chemical Science</i> , 2020 , 11, 2494-2503 | 9.4 | 78 |
| 101 | Novel Direct Nanopatterning Approach to Fabricate Periodically Nanostructured Perovskite for Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2017 , 27, 1606525 | 15.6 | 75 |
| 100 | High-Performance Blue Perovskite Light-Emitting Diodes Enabled by Efficient Energy Transfer between Coupled Quasi-2D Perovskite Layers. <i>Advanced Materials</i> , 2021 , 33, e2005570 | 24 | 74 |
| 99 | Mitochondrion-Specific Live-Cell Bioprobe Operated in a Fluorescence Turn-On Manner and a Well-Designed Photoactivatable Mechanism. <i>Advanced Materials</i> , 2015 , 27, 7093-100 | 24 | 69 |
| 98 | Textured CH ₃ NH ₃ PbI ₃ thin film with enhanced stability for high performance perovskite solar cells. <i>Nano Energy</i> , 2017 , 33, 485-496 | 17.1 | 65 |
| 97 | An Ultrathin Ferroelectric Perovskite Oxide Layer for High-Performance Hole Transport Material Free Carbon Based Halide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1806506 | 15.6 | 65 |

| | | | |
|----|--|------|----|
| 96 | Room Temperature Synthesis of Stable, Printable Cs ₃ Cu ₂ X ₅ (X = I, Br/I, Br, Br/Cl, Cl) Colloidal Nanocrystals with Near-Unity Quantum Yield Green Emitters (X = Cl). <i>Chemistry of Materials</i> , 2020 , 32, 5515-5524 | 9.6 | 63 |
| 95 | An amorphous precursor route to the conformable oriented crystallization of CH ₃ NH ₃ PbBr ₃ in mesoporous scaffolds: toward efficient and thermally stable carbon-based perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12897-12912 | 13 | 63 |
| 94 | ACQ-to-AIE Transformation: Tuning Molecular Packing by Regioisomerization for Two-Photon NIR Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12822-12826 | 16.4 | 62 |
| 93 | Complexation-induced circular dichroism and circularly polarised luminescence of an aggregation-induced emission luminogen. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 78-83 | 7.1 | 62 |
| 92 | Fine-tuning of side-chain orientations on nonfullerene acceptors enables organic solar cells with 17.7% efficiency. <i>Energy and Environmental Science</i> , 2021 , 14, 3469-3479 | 35.4 | 62 |
| 91 | Large-Grain Formamidinium PbI ₃ Br _x for High-Performance Perovskite Solar Cells via Intermediate Halide Exchange. <i>Advanced Energy Materials</i> , 2017 , 7, 1601882 | 21.8 | 61 |
| 90 | All-Perovskite Emission Architecture for White Light-Emitting Diodes. <i>ACS Nano</i> , 2018 , 12, 10486-10492 | 16.7 | 61 |
| 89 | Crystallinity Preservation and Ion Migration Suppression through Dual Ion Exchange Strategy for Stable Mixed Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1700118 | 21.8 | 58 |
| 88 | Highly photostable two-photon NIR AIEgens with tunable organelle specificity and deep tissue penetration. <i>Biomaterials</i> , 2019 , 208, 72-82 | 15.6 | 57 |
| 87 | Low-Bandgap Methylammonium-Rubidium Cation Sn-Rich Perovskites for Efficient Ultraviolet-Visible-Near Infrared Photodetectors. <i>Advanced Functional Materials</i> , 2018 , 28, 1706068 | 15.6 | 55 |
| 86 | Evolution of Diffusion Length and Trap State Induced by Chloride in Perovskite Solar Cell. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 21248-21253 | 3.8 | 55 |
| 85 | Functionalized AIE nanoparticles with efficient deep-red emission, mitochondrial specificity, cancer cell selectivity and multiphoton susceptibility. <i>Chemical Science</i> , 2017 , 8, 4634-4643 | 9.4 | 53 |
| 84 | Solvent Effect and Two-Photon Optical Properties of Triphenylamine-Based Donor-Acceptor Fluorophores. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27630-27638 | 3.8 | 53 |
| 83 | Synthesis, optical properties, and helical self-assembly of a bivaline-containing tetraphenylethene. <i>Scientific Reports</i> , 2016 , 6, 19277 | 4.9 | 53 |
| 82 | Insight into the strong aggregation-induced emission of low-conjugated racemic C ₆ -unsubstituted tetrahydropyrimidines through crystal-structure-property relationship of polymorphs. <i>Chemical Science</i> , 2015 , 6, 4690-4697 | 9.4 | 49 |
| 81 | Perovskite Bifunctional Device with Improved Electroluminescent and Photovoltaic Performance through Interfacial Energy-Band Engineering. <i>Advanced Materials</i> , 2019 , 31, e1902543 | 24 | 46 |
| 80 | Click Synthesis, Aggregation-Induced Emission and Chirality, Circularly Polarized Luminescence, and Helical Self-Assembly of a Leucine-Containing Silole. <i>Small</i> , 2016 , 12, 6593-6601 | 11 | 44 |
| 79 | Red AIE-Active Fluorescent Probes with Tunable Organelle-Specific Targeting. <i>Advanced Functional Materials</i> , 2020 , 30, 1909268 | 15.6 | 42 |

| | | | |
|----|---|------|----|
| 78 | Drawing a clear mechanistic picture for the aggregation-induced emission process. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1143-1150 | 7.8 | 41 |
| 77 | Inverted planar perovskite solar cells based on CsI-doped PEDOT:PSS with efficiency beyond 20% and small energy loss. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21662-21667 | 13 | 40 |
| 76 | Endoplasmic Reticulum-Localized Two-Photon-Absorbing Boron Dipyrromethenes as Advanced Photosensitizers for Photodynamic Therapy. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 3952-3961 | 8.3 | 40 |
| 75 | Long-lived and disorder-free charge transfer states enable endothermic charge separation in efficient non-fullerene organic solar cells. <i>Nature Communications</i> , 2020 , 11, 5617 | 17.4 | 38 |
| 74 | A 16.4% efficiency organic photovoltaic cell enabled using two donor polymers with their side-chains oriented differently by a ternary strategy. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3676-3685 | 13 | 37 |
| 73 | Extraordinary Surface Plasmon Coupled Emission Using Core/Shell Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9259-9264 | 3.8 | 34 |
| 72 | Bufferless 15 μ m III-V lasers grown on Si-photonics 220 nm silicon-on-insulator platforms. <i>Optica</i> , 2020 , 7, 148 | 8.6 | 34 |
| 71 | A low temperature gradual annealing scheme for achieving high performance perovskite solar cells with no hysteresis. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14424-14430 | 13 | 32 |
| 70 | Telecom InP/InGaAs nanolaser array directly grown on (001) silicon-on-insulator. <i>Optics Letters</i> , 2019 , 44, 767-770 | 3 | 32 |
| 69 | Self-Assembled Quasi-3D Nanocomposite: A Novel p-Type Hole Transport Layer for High Performance Inverted Organic Solar Cells. <i>Advanced Functional Materials</i> , 2018 , 28, 1706403 | 15.6 | 31 |
| 68 | Alkyl Chain Regiochemistry of Benzotriazole-Based Donor Polymers Influencing Morphology and Performances of Non-Fullerene Organic Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1702427 | 21.8 | 31 |
| 67 | Tuning the A-site cation composition of FA perovskites for efficient and stable NiO-based p-i-n perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21858-21865 | 13 | 31 |
| 66 | Room-temperature InP/InGaAs nano-ridge lasers grown on Si and emitting at telecom bands. <i>Optica</i> , 2018 , 5, 918 | 8.6 | 29 |
| 65 | Mixed Spacer Cation Stabilization of Blue-Emitting n = 2 Ruddlesden-Popper Organic-Inorganic Halide Perovskite Films. <i>Advanced Optical Materials</i> , 2020 , 8, 1901679 | 8.1 | 27 |
| 64 | Development of benzylidene-methyloxazolone based AlEgens and decipherment of their working mechanism. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7191-7199 | 7.1 | 26 |
| 63 | Quantifying enhanced photoluminescence in mixed-lanthanide carboxylate polymers: sensitization versus reduction of self-quenching. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8547 | | 26 |
| 62 | Side-Chain Engineering on Y-Series Acceptors with Chlorinated End Groups Enables High-Performance Organic Solar Cells. <i>Advanced Energy Materials</i> , 2021 , 11, 2003777 | 21.8 | 26 |
| 61 | Interlayer Cross-Linked 2D Perovskite Solar Cell with Uniform Phase Distribution and Increased Exciton Coupling. <i>Solar Rrl</i> , 2020 , 4, 1900578 | 7.1 | 24 |

| | | | |
|----|---|------|----|
| 60 | Aggregation Enhancement on Two-Photon Optical Properties of AIE-Active D-TPE-A Molecules. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 26981-26986 | 3.8 | 21 |
| 59 | Aggregation-Induced Emission Luminogens as Color Converters for Visible-Light Communication. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34418-34426 | 9.5 | 21 |
| 58 | Effect of Plasma Treatment on Native Defects and Photocatalytic Activities of Zinc Oxide Tetrapods. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 22760-22767 | 3.8 | 20 |
| 57 | Circularly polarized luminescence and controllable helical self-assembly of an aggregation-induced emission luminogen. <i>Dyes and Pigments</i> , 2017 , 138, 129-134 | 4.6 | 18 |
| 56 | Efficient color routing with a dispersion-controlled waveguide array. <i>Light: Science and Applications</i> , 2013 , 2, e52-e52 | 16.7 | 17 |
| 55 | Surface-plasmon-enhanced photoluminescence from metal-capped Alq3 thin Films. <i>Applied Physics Letters</i> , 2009 , 95, 051503 | 3.4 | 17 |
| 54 | Smooth CH ₃ NH ₃ PbI ₃ from controlled solid-gas reaction for photovoltaic applications. <i>RSC Advances</i> , 2015 , 5, 73760-73766 | 3.7 | 16 |
| 53 | Optical Trapping, Sizing, and Probing Acoustic Modes of a Small Virus. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 394 | 2.6 | 16 |
| 52 | All-room-temperature solution-processed new nanocomposites based hole transport layer from synthesis to film formation for high-performance organic solar cells towards ultimate energy-efficient fabrication. <i>Nano Energy</i> , 2018 , 47, 26-34 | 17.1 | 14 |
| 51 | Aggregation-Induced Emission Luminogen-Based Direct Visualization of Concentration Gradient Inside an Evaporating Binary Sessile Droplet. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29157-29165 | 8.5 | 14 |
| 50 | Alkoxy substitution on IDT-Series and Y-Series non-fullerene acceptors yielding highly efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7481-7490 | 13 | 14 |
| 49 | . <i>IEEE Access</i> , 2019 , 7, 91093-91104 | 3.5 | 13 |
| 48 | Enhancement of spontaneous emission rate and reduction in amplified spontaneous emission threshold in electrodeposited three-dimensional ZnO photonic crystal. <i>Applied Physics Letters</i> , 2010 , 97, 191102 | 3.4 | 13 |
| 47 | Synthesis, light emission, and photovoltaic properties of perylene-containing polyacetylenes. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 2025-2037 | 2.5 | 13 |
| 46 | Surface Sulfuration of NiO Boosts the Performance of Inverted Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000270 | 7.1 | 13 |
| 45 | Understanding the Charge Transfer State and Energy Loss Trade-offs in Non-fullerene-Based Organic Solar Cells. <i>ACS Energy Letters</i> , 2018 , 3, 3408-3416 | 20.1 | 13 |
| 44 | Bulk Heterojunction Quasi-Two-Dimensional Perovskite Solar Cell with 1.18 V High Photovoltage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2935-2943 | 9.5 | 12 |
| 43 | A Luminescent Nitrogen-Containing Polycyclic Aromatic Hydrocarbon Synthesized by Photocyclodehydrogenation with Unprecedented Regioselectivity. <i>Chemistry - A European Journal</i> , 2015 , 21, 17973-80 | 4.8 | 11 |

| | | | |
|----|--|------|----|
| 42 | Nanostructures: A Smooth CH ₃ NH ₃ PbI ₃ Film via a New Approach for Forming the PbI ₂ Nanostructure Together with Strategically High CH ₃ NH ₃ I Concentration for High Efficient Planar-Heterojunction Solar Cells (Adv. Energy Mater. 23/2015). <i>Advanced Energy Materials</i> , 2015 , 5, | 21.8 | 10 |
| 41 | Pyrrolopyrrole aza boron dipyrromethene based two-photon fluorescent probes for subcellular imaging. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5570-5581 | 7.3 | 9 |
| 40 | Two-photon fabrication of photonic crystals by single-beam laser holographic lithography. <i>Journal of Applied Physics</i> , 2010 , 107, 074311 | 2.5 | 9 |
| 39 | Diagnosis of fatty liver disease by a multiphoton-active and lipid-droplet-specific AIEgen with nonaromatic rotors. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1853-1862 | 7.8 | 9 |
| 38 | ACQ-to-AIE Transformation: Tuning Molecular Packing by Regioisomerization for Two-Photon NIR Bioimaging. <i>Angewandte Chemie</i> , 2020 , 132, 12922-12926 | 3.6 | 8 |
| 37 | 1-Chloronaphthalene-Induced Donor/Acceptor Vertical Distribution and Carrier Dynamics Changes in Nonfullerene Organic Solar Cells and the Governed Mechanism.. <i>Small Methods</i> , 2022 , e2101475 | 12.8 | 8 |
| 36 | Room temperature III-V nanolasers with distributed Bragg reflectors epitaxially grown on (001) silicon-on-insulators. <i>Photonics Research</i> , 2019 , 7, 1081 | 6 | 8 |
| 35 | Uncovering the Electron-Phonon Interplay and Dynamical Energy-Dissipation Mechanisms of Hot Carriers in Hybrid Lead Halide Perovskites. <i>Advanced Energy Materials</i> , 2021 , 11, 2003071 | 21.8 | 8 |
| 34 | Coherent Beam Combining with Second-Harmonic Generation Optimized with Adaptive Phase Control. <i>IEEE Journal of Quantum Electronics</i> , 2011 , 47, 348-353 | 2 | 7 |
| 33 | Multipolar Effects in the Optical Active Second Harmonic Generation from Sawtooth Chiral Metamaterials. <i>Scientific Reports</i> , 2016 , 6, 22061 | 4.9 | 7 |
| 32 | A monolithic InP/SOI platform for integrated photonics. <i>Light: Science and Applications</i> , 2021 , 10, 200 | 16.7 | 7 |
| 31 | Phase control for quasi-2D blue emitters by spacer cation engineering. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11052-11060 | 7.1 | 6 |
| 30 | Factors That Prevent Spin-Triplet Recombination in Non-fullerene Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5045-5051 | 6.4 | 6 |
| 29 | Unraveling the Temperature Dependence of Exciton Dissociation and Free Charge Generation in Nonfullerene Organic Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2000789 | 7.1 | 6 |
| 28 | Enhanced Electrochemical Stability by Alkyldiammonium in Dion-Jacobson Perovskite toward Ultrastable Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021 , 9, 2100243 | 8.1 | 5 |
| 27 | Rapid Synthesis of Bright, Shape-Controlled, Large Single Crystals of Cs ₃ Cu ₂ X ₅ for Phase Pure Single (X=Br, Cl) and Mixed Halides (X=Br/Cl) as the Blue and Green Components for Printable White Light-Emitting Devices. <i>Advanced Materials Interfaces</i> , 2101471 | 4.6 | 5 |
| 26 | III-V micro- and nano-lasers deposited on amorphous SiO ₂ . <i>Applied Physics Letters</i> , 2020 , 116, 172102 | 3.4 | 4 |
| 25 | Surface and bulk exciton recombination dynamics in GaN freestanding films via one- and two-photon excitations. <i>Journal of Materials Science: Materials in Electronics</i> , 2007 , 18, 453-457 | 2.1 | 4 |

| | | | |
|----|--|------|---|
| 24 | Perovskite Light-Emitting Diodes: High-Performance Blue Perovskite Light-Emitting Diodes Enabled by Efficient Energy Transfer between Coupled Quasi-2D Perovskite Layers (Adv. Mater. 1/2021). <i>Advanced Materials</i> , 2021 , 33, 2170006 | 24 | 4 |
| 23 | Quantification of Temperature-Dependent Charge Separation and Recombination Dynamics in Non-Fullerene Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2021 , 31, 2107157 | 15.6 | 4 |
| 22 | Spontaneous Formation of Nanocrystals in Amorphous Matrix: Alternative Pathway to Bright Emission in Quasi-2D Perovskites. <i>Advanced Optical Materials</i> , 2019 , 7, 1900269 | 8.1 | 3 |
| 21 | Tuning the Self-Trapped Emission: Reversible Transformation to 0D Copper Clusters Permits Bright Red Emission in Potassium and Rubidium Copper Bromides. <i>ACS Energy Letters</i> , 4383-4389 | 20.1 | 3 |
| 20 | Evaporation-Free Organic Solar Cells with High Efficiency Enabled by Dry and Nonimmersive Sintering Strategy. <i>Advanced Functional Materials</i> , 2021 , 31, 2010764 | 15.6 | 3 |
| 19 | Reciprocally Photovoltaic Light-Emitting Diode Based on Dispersive Perovskite Nanocrystal.. <i>Small</i> , 2022 , e2107145 | 11 | 3 |
| 18 | Potassium and Rubidium Copper Halide A_2CuX_3 (A = K, Rb, X = Cl, Br) Micro- and Nanocrystals with Near Unity Quantum Yields for White Light Applications. <i>ACS Applied Nano Materials</i> , 2021 , 4, 14188-14196 | 5.6 | 3 |
| 17 | Perovskite Bifunctional Diode with High Photovoltaic and Electroluminescent Performance by Holistic Defect Passivation. <i>Small</i> , 2021 , e2105196 | 11 | 3 |
| 16 | Perovskite Solar Cells: Large-Grain Formamidinium PbI_3-xBr_x for High-Performance Perovskite Solar Cells via Intermediate Halide Exchange (Adv. Energy Mater. 12/2017). <i>Advanced Energy Materials</i> , 2017 , 7, | 21.8 | 2 |
| 15 | Effects of Vertical Molecular Stratifications and Microstructures on the Properties of Fullerene-Free Organic Solar Cells. <i>Advanced Photonics Research</i> , 2100339 | 1.9 | 2 |
| 14 | Solution-Processed, Inverted AgBiS Nanocrystal Solar Cells.. <i>ACS Applied Materials & Interfaces</i> , 2021 , | 9.5 | 2 |
| 13 | Degenerate Two-Beam Phase Conjugation in One-Dimensional $ZnS_{1-x}F_x$ Photonic Crystal With Central Defect Mode. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 781-783 | 2.2 | 1 |
| 12 | Enhanced absorption of CVD grown molybdenum disulfide monolayers via surface plasmon resonance with silver nano-triangles. <i>OSA Continuum</i> , 2019 , 2, 1401 | 1.4 | 1 |
| 11 | Intentional Oxidation and Laser Remelting of Highly Reflective Pure Cu for Its High-Quality Additive Manufacturing. <i>Advanced Engineering Materials</i> , 2101138 | 3.5 | 1 |
| 10 | Unraveling the photophysical and semiconducting properties of color converter luminogens with aggregation induced emission characteristics. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16757-16768 | 7.1 | 1 |
| 9 | Optically Probing Field-Dependent Charge Dynamics in Non-Fullerene Organic Photovoltaics with Small Interfacial Energy Offsets. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1714-1722 | 3.8 | 1 |
| 8 | Enhanced Light Emission Performance of Mixed Cation Perovskite Films—the Effect of Solution Stoichiometry on Crystallization. <i>Advanced Optical Materials</i> , 2100393 | 8.1 | 1 |
| 7 | Selective Laser Melting of $Cu_{1-x}Sn_x$: 4P: Processing, Microstructure, Properties, and Brief Comparison with Additively Manufactured $Cu_{1-x}Sn_x$. <i>Advanced Engineering Materials</i> , 2100716 | 3.5 | 1 |

| | | |
|---|---|------|
| 6 | Mechanochromism: Multifunctional AIEgens: Ready Synthesis, Tunable Emission, Mechanochromism, Mitochondrial, and Bacterial Imaging (Adv. Funct. Mater. 1/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870006 | 15.6 |
| 5 | Ruddlesden-Popper Perovskites: Spontaneous Formation of Nanocrystals in Amorphous Matrix: Alternative Pathway to Bright Emission in Quasi-2D Perovskites (Advanced Optical Materials 19/2019). <i>Advanced Optical Materials</i> , 2019 , 7, 1970074 | 8.1 |
| 4 | Lead Halide Perovskites: Uncovering the Electron-Phonon Interplay and Dynamical Energy-Dissipation Mechanisms of Hot Carriers in Hybrid Lead Halide Perovskites (Adv. Energy Mater. 9/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170036 | 21.8 |
| 3 | Upside-Down Molding Approach for Geometrical Parameter-Tunable Photonic Perovskite Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 27313-27322 | 9.5 |
| 2 | Nanofibers: Click Synthesis, Aggregation-Induced Emission and Chirality, Circularly Polarized Luminescence, and Helical Self-Assembly of a Leucine-Containing Silole (Small 47/2016). <i>Small</i> , 2016 , 12, 6420-6420 | 11 |
| 1 | Molecular Dynamics Simulations of Shockwave Affected STMV Virus to Measure the Frequencies of the Oscillatory Response. <i>Acoustics</i> , 2022 , 4, 268-275 | 2 |