

Zhen Li

List of Publications by Year in descending order

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papers

16,080
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docs citations

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times ranked

11606
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The influence of the molecular packing on the room temperature phosphorescence of purely organic luminogens. <i>Nature Communications</i> , 2018, 9, 840. | 5.8 | 764 |
| 2 | Molecular Packing: Another Key Point for the Performance of Organic and Polymeric Optoelectronic Materials. <i>Accounts of Chemical Research</i> , 2020, 53, 962-973. | 7.6 | 545 |
| 3 | Molecular conformation and packing: their critical roles in the emission performance of mechanochromic fluorescence materials. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2174-2194. | 3.2 | 477 |
| 4 | How the Molecular Packing Affects the Room Temperature Phosphorescence in Pure Organic Compounds: Ingenious Molecular Design, Detailed Crystal Analysis, and Rational Theoretical Calculations. <i>Advanced Materials</i> , 2017, 29, 1606829. | 11.1 | 351 |
| 5 | Organic luminescent materials: The concentration on aggregates from aggregation-induced emission. <i>Aggregate</i> , 2020, 1, 6-18. | 5.2 | 288 |
| 6 | Room-Temperature Phosphorescence Resonance Energy Transfer for Construction of Near-Infrared Afterglow Imaging Agents. <i>Advanced Materials</i> , 2020, 32, e2006752. | 11.1 | 265 |
| 7 | AI Egen with Fluorescence-Phosphorescence Dual Mechanoluminescence at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 880-884. | 7.2 | 250 |
| 8 | A stable tetraphenylethene derivative: aggregation-induced emission, different crystalline polymorphs, and totally different mechanoluminescence properties. <i>Materials Horizons</i> , 2016, 3, 220-225. | 6.4 | 228 |
| 9 | Highly Selective Reduction of CO ₂ to C ₂₊ Hydrocarbons at Copper/Polyaniline Interfaces. <i>ACS Catalysis</i> , 2020, 10, 4103-4111. | 5.5 | 220 |
| 10 | Ultralong UV/mechano-excited room temperature phosphorescence from purely organic cluster excitons. <i>Nature Communications</i> , 2019, 10, 5161. | 5.8 | 216 |
| 11 | Elucidating the Excited State of Mechanoluminescence in Organic Luminogens with Room-Temperature Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15299-15303. | 7.2 | 215 |
| 12 | Blue AI Egens: approaches to control the intramolecular conjugation and the optimized performance of OLED devices. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2663-2684. | 2.7 | 214 |
| 13 | Fluorescence of Nonaromatic Organic Systems and Room Temperature Phosphorescence of Organic Luminogens: The Intrinsic Principle and Recent Progress. <i>Small</i> , 2018, 14, e1801560. | 5.2 | 204 |
| 14 | Visible/Near-Infrared-Light-Induced H ₂ Production over g-C ₃ N ₄ Co-sensitized by Organic Dye and Zinc Phthalocyanine Derivative. <i>ACS Catalysis</i> , 2015, 5, 504-510. | 5.5 | 203 |
| 15 | Construction of LRET-Based Nanoprobe Using Upconversion Nanoparticles with Confined Emitters and Bared Surface as Luminophore. <i>Journal of the American Chemical Society</i> , 2015, 137, 3421-3427. | 6.6 | 187 |
| 16 | Abnormal room temperature phosphorescence of purely organic boron-containing compounds: the relationship between the emissive behavior and the molecular packing, and the potential related applications. <i>Chemical Science</i> , 2017, 8, 8336-8344. | 3.7 | 176 |
| 17 | A Rationally Designed Upconversion Nanoprobe for <i>in Vivo</i> Detection of Hydroxyl Radical. <i>Journal of the American Chemical Society</i> , 2015, 137, 11179-11185. | 6.6 | 170 |
| 18 | Molecular Conformation-Dependent Mechanoluminescence: Same Mechanical Stimulus but Different Emissive Color over Time. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14174-14178. | 7.2 | 170 |

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|----|--|-----|-----------|
| 19 | Three polymorphs of one luminogen: how the molecular packing affects the RTP and AIE properties?. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9242-9246. | 2.7 | 164 |
| 20 | New tetraphenylethene-based efficient blue luminophors: aggregation induced emission and partially controllable emitting color. <i>Journal of Materials Chemistry</i> , 2012, 22, 2478-2484. | 6.7 | 162 |
| 21 | A Mitochondrial-Targeting Near-Infrared Fluorescent Probe for Visualizing and Monitoring Viscosity in Live Cells and Tissues. <i>Analytical Chemistry</i> , 2019, 91, 10302-10309. | 3.2 | 154 |
| 22 | A Red Emissive Two-Photon Fluorescence Probe Based on Carbon Dots for Intracellular pH Detection. <i>Small</i> , 2019, 15, e1901673. | 5.2 | 150 |
| 23 | Near-Infrared Light-Responsive Hydrogel for Specific Recognition and Photothermal Site-Release of Circulating Tumor Cells. <i>ACS Nano</i> , 2016, 10, 6201-6210. | 7.3 | 146 |
| 24 | From ACQ to AIE: the suppression of the strong π - π interaction of naphthalene diimide derivatives through the adjustment of their flexible chains. <i>Chemical Communications</i> , 2016, 52, 11496-11499. | 2.2 | 145 |
| 25 | Unexpected room-temperature phosphorescence from a non-aromatic, low molecular weight, pure organic molecule through the intermolecular hydrogen bond. <i>Materials Chemistry Frontiers</i> , 2018, 2, 2124-2129. | 3.2 | 138 |
| 26 | Blue Aggregation-Induced Emission Luminogens: High External Quantum Efficiencies Up to 3.99% in LED Device, and Restriction of the Conjugation Length through Rational Molecular Design. <i>Advanced Functional Materials</i> , 2014, 24, 7645-7654. | 7.8 | 137 |
| 27 | Novel Functional Conjugative Hyperbranched Polymers with Aggregation-Induced Emission: Synthesis Through One-Pot $A_2 + B_4$ -Polymerization and Application as Explosive Chemosensors and PLEDs. <i>Macromolecular Rapid Communications</i> , 2012, 33, 164-171. | 2.0 | 135 |
| 28 | Blue pyrene-based AIEgens: inhibited intermolecular π - π stacking through the introduction of substituents with controllable intramolecular conjugation, and high external quantum efficiencies up to 3.46% in non-doped OLEDs. <i>Materials Chemistry Frontiers</i> , 2017, 1, 91-99. | 3.2 | 135 |
| 29 | Enhanced Hole Transportation for Inverted Tin-Based Perovskite Solar Cells with High Performance and Stability. <i>Advanced Functional Materials</i> , 2019, 29, 1808059. | 7.8 | 133 |
| 30 | A conjugated hyperbranched polymer constructed from carbazole and tetraphenylethylene moieties: convenient synthesis through one-pot $A_2 + B_4$ -Suzuki polymerization, aggregation-induced enhanced emission, and application as explosive chemosensors and PLEDs. <i>Journal of Materials Chemistry</i> , 2012, 22, 6374. | 6.7 | 132 |
| 31 | The Influence of Molecular Packing on the Emissive Behavior of Pyrene Derivatives: Mechanoluminescence and Mechanochromism. <i>Advanced Optical Materials</i> , 2018, 6, 1800198. | 3.6 | 125 |
| 32 | Construction of efficient blue AIE emitters with triphenylamine and TPE moieties for non-doped OLEDs. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2028. | 2.7 | 122 |
| 33 | Dopant-Free Squaraine-Based Polymeric Hole-Transporting Materials with Comprehensive Passivation Effects for Efficient All-Inorganic Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17724-17730. | 7.2 | 118 |
| 34 | Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915. | 3.2 | 117 |
| 35 | Mechanoluminescence or Room-Temperature Phosphorescence: Molecular Packing-Dependent Emission Response. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17297-17302. | 7.2 | 116 |
| 36 | Convenient preparation of $CsSnI_3$ quantum dots, excellent stability, and the highest performance of lead-free inorganic perovskite solar cells so far. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7683-7690. | 5.2 | 116 |

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|----|---|-----|-----------|
| 37 | An N-nitrosation reactivity-based two-photon fluorescent probe for the specific in situ detection of nitric oxide. <i>Chemical Science</i> , 2017, 8, 4533-4538. | 3.7 | 115 |
| 38 | Benzene-cored fluorophors with TPE peripheries: facile synthesis, crystallization-induced blue-shifted emission, and efficient blue luminogens for non-doped OLEDs. <i>Journal of Materials Chemistry</i> , 2012, 22, 12001. | 6.7 | 114 |
| 39 | NIR in, far-red out: developing a two-photon fluorescent probe for tracking nitric oxide in deep tissue. <i>Chemical Science</i> , 2016, 7, 5230-5235. | 3.7 | 114 |
| 40 | “Turn-On” Fluorescent Probe for Mercury(II): High Selectivity and Sensitivity and New Design Approach by the Adjustment of the “-Bridge. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11369-11376. | 4.0 | 113 |
| 41 | Host-guest materials with room temperature phosphorescence: Tunable emission color and thermal printing patterns. <i>SmartMat</i> , 2020, 1, e1006. | 6.4 | 112 |
| 42 | Bromine-Substituted Fluorene: Molecular Structure, Br-Br Interactions, Room-Temperature Phosphorescence, and Tricolor Triboluminescence. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16821-16826. | 7.2 | 111 |
| 43 | Enzyme-Responsive Bioprobes Based on the Mechanism of Aggregation-Induced Emission. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12278-12294. | 4.0 | 109 |
| 44 | 9,9-Dimethylxanthene Derivatives with Room-Temperature Phosphorescence: Substituent Effects and Emissive Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9946-9951. | 7.2 | 109 |
| 45 | Portable Upconversion Nanoparticles-Based Paper Device for Field Testing of Drug Abuse. <i>Analytical Chemistry</i> , 2016, 88, 1530-1534. | 3.2 | 107 |
| 46 | Suppressing photo-oxidation of non-fullerene acceptors and their blends in organic solar cells by exploring material design and employing friendly stabilizers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25088-25101. | 5.2 | 107 |
| 47 | Tunable Aggregation-Induced Emission Nanoparticles by Varying Isolation Groups in Perylene Diimide Derivatives and Application in Three-Photon Fluorescence Bioimaging. <i>ACS Nano</i> , 2018, 12, 9532-9540. | 7.3 | 106 |
| 48 | Triphenylamine derivatives: different molecular packing and the corresponding mechanoluminescent or mechanochromism property. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9879-9885. | 2.7 | 103 |
| 49 | Engineering NIR-IIb fluorescence of Er-based lanthanide nanoparticles for through-skull targeted imaging and imaging-guided surgery of orthotopic glioma. <i>Nano Today</i> , 2020, 34, 100905. | 6.2 | 100 |
| 50 | Stimulus-responsive room temperature phosphorescence in purely organic luminogens. <i>Informa Materials</i> , 2020, 2, 791-806. | 8.5 | 100 |
| 51 | Interface-Enhanced Catalytic Selectivity on the C ₂ Products of CO ₂ Electroreduction. <i>ACS Catalysis</i> , 2021, 11, 2473-2482. | 5.5 | 92 |
| 52 | AI-Gen with Fluorescence-Phosphorescence Dual Mechanoluminescence at Room Temperature. <i>Angewandte Chemie</i> , 2017, 129, 898-902. | 1.6 | 90 |
| 53 | Breaking Through the Signal-to-Background Limit of Upconversion Nanoprobes Using a Target-Modulated Sensitizing Switch. <i>Journal of the American Chemical Society</i> , 2018, 140, 14696-14703. | 6.6 | 89 |
| 54 | Polyphenylbenzene as a Platform for Deep-Blue OLEDs: Aggregation Enhanced Emission and High External Quantum Efficiency of 3.98%. <i>Chemistry of Materials</i> , 2015, 27, 1847-1854. | 3.2 | 88 |

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|----|---|------|-----------|
| 55 | Lighting Up NIR-II Fluorescence in Vivo: An Activable Probe for Noninvasive Hydroxyl Radical Imaging. <i>Analytical Chemistry</i> , 2019, 91, 15757-15762. | 3.2 | 88 |
| 56 | Aggregation-Induced emission: Red and near-infrared organic light-emitting diodes. <i>SmartMat</i> , 2021, 2, 326-346. | 6.4 | 88 |
| 57 | High performance organic sensitizers based on 11,12-bis(hexyloxy) dibenzo[a,c]phenazine for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 18830. | 6.7 | 86 |
| 58 | Benzene-cored AIEgens for deep-blue OLEDs: high performance without hole-transporting layers, and unexpected excellent host for orange emission as a side-effect. <i>Chemical Science</i> , 2016, 7, 4355-4363. | 3.7 | 85 |
| 59 | New Phenothiazine Derivatives That Exhibit Photoinduced Room-Temperature Phosphorescence. <i>Advanced Functional Materials</i> , 2021, 31, 2101719. | 7.8 | 84 |
| 60 | Modification of the Intermediate Binding Energies on Ni/Ni ₃ N Heterostructure for Enhanced Alkaline Hydrogen Oxidation Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2106156. | 7.8 | 84 |
| 61 | Novel AIE-active ratiometric fluorescent probes for mercury(II) based on the Hg ²⁺ -promoted deprotection of thioketal, and good mechanochromic properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 773-780. | 2.7 | 82 |
| 62 | Novel pyrrole-based dyes for dye-sensitized solar cells: From rod-shape to α -H-type. <i>Journal of Materials Chemistry</i> , 2012, 22, 6689. | 6.7 | 81 |
| 63 | Rational Molecular Design for Efficient Exciton Harvesting, and Deep-Blue OLED Application. <i>Advanced Optical Materials</i> , 2018, 6, 1800342. | 3.6 | 80 |
| 64 | Mobile Phone Flashlight-Excited Red Afterglow Bioimaging. <i>Advanced Materials</i> , 2022, 34, e2201280. | 11.1 | 79 |
| 65 | Miracles of molecular uniting. <i>Science China Materials</i> , 2020, 63, 177-184. | 3.5 | 77 |
| 66 | Elucidating the Excited State of Mechanoluminescence in Organic Luminogens with Room-Temperature Phosphorescence. <i>Angewandte Chemie</i> , 2017, 129, 15501-15505. | 1.6 | 75 |
| 67 | Novel global-like second-order nonlinear optical dendrimers: convenient synthesis through powerful click chemistry and large NLO effects achieved by using simple azo chromophore. <i>Chemical Science</i> , 2012, 3, 1256. | 3.7 | 70 |
| 68 | Construction of high strength hollow fibers by self-assembly of a stiff polysaccharide with short branches in water. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4198. | 5.2 | 69 |
| 69 | New AIEgens containing tetraphenylethene and silole moieties: tunable intramolecular conjugation, aggregation-induced emission characteristics and good device performance. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2624-2631. | 2.7 | 67 |
| 70 | 9,9-Dimethylxanthene Derivatives with Room-Temperature Phosphorescence: Substituent Effects and Emissive Properties. <i>Angewandte Chemie</i> , 2020, 132, 10032-10037. | 1.6 | 66 |
| 71 | Multiple Luminescence Responses towards Mechanical Stimulus and Photo-Induction: The Key Role of the Stuck Packing Mode and Tunable Intermolecular Interactions. <i>Chemistry - A European Journal</i> , 2019, 25, 7031-7037. | 1.7 | 64 |
| 72 | Merocyanine with Hole-Transporting Ability and Efficient Defect Passivation Effect for Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2021, 6, 869-876. | 8.8 | 64 |

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|----|--|------|-----------|
| 73 | Thermally Activated Delayed Fluorescent Polymers. <i>Journal of Polymer Science Part A</i> , 2017, 55, 575-584. | 2.5 | 62 |
| 74 | New Azo Chromophore-Containing Conjugated Polymers: Facile Synthesis by Using "Click" Chemistry and Enhanced Nonlinear Optical Properties Through the Introduction of Suitable Isolation Groups. <i>Macromolecular Rapid Communications</i> , 2008, 29, 136-141. | 2.0 | 61 |
| 75 | Photoresponsive immunomagnetic nanocarrier for capture and release of rare circulating tumor cells. <i>Chemical Science</i> , 2015, 6, 6432-6438. | 3.7 | 60 |
| 76 | AIE probes towards biomolecules: the improved selectivity with the aid of graphene oxide. <i>Science China Chemistry</i> , 2015, 58, 1800-1809. | 4.2 | 59 |
| 77 | Janus second-order nonlinear optical dendrimers: their controllable molecular topology and corresponding largely enhanced performance. <i>Chemical Science</i> , 2017, 8, 340-347. | 3.7 | 59 |
| 78 | Facile-Effective Hole-Transporting Materials Based on Dibenzo[<i>a,c</i>]carbazole: The Key Role of Linkage Position to Photovoltaic Performance of Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2019, 4, 2514-2521. | 8.8 | 59 |
| 79 | Materials for Interfaces in Organic Solar Cells and Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3301-3326. | 4.0 | 59 |
| 80 | Precise Regulation of Distance between Associated Pyrene Units and Control of Emission Energy and Kinetics in Solid State. <i>CCS Chemistry</i> , 2021, 3, 274-286. | 4.6 | 58 |
| 81 | New PVK-based nonlinear optical polymers: Enhanced nonlinearity and improved transparency. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2983-2993. | 2.5 | 57 |
| 82 | Recyclable mechanoluminescent luminogen: different polymorphs, different self-assembly effects of the thiophene moiety and recovered molecular packing via simple thermal-treatment. <i>Materials Chemistry Frontiers</i> , 2019, 3, 32-38. | 3.2 | 57 |
| 83 | Functionalized polyacetylenes with strong luminescence: "turn-on" fluorescent detection of cyanide based on the dissolution of gold nanoparticles and its application in real samples. <i>Journal of Materials Chemistry</i> , 2012, 22, 5581. | 6.7 | 55 |
| 84 | Pyrene-based blue AIEgens: tunable intramolecular conjugation, good hole mobility and reversible mechanochromism. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8506-8513. | 2.7 | 55 |
| 85 | Progress of pyrene-based organic semiconductor in organic field effect transistors. <i>Science China Chemistry</i> , 2016, 59, 1623-1631. | 4.2 | 52 |
| 86 | Similar or Totally Different: the Adjustment of the Twist Conformation Through Minor Structural Modification, and Dramatically Improved Performance for Dye-Sensitized Solar Cell. <i>Advanced Energy Materials</i> , 2015, 5, 1500846. | 10.2 | 51 |
| 87 | Removing the Obstacle of Dye-Sensitized Upconversion Luminescence in Aqueous Phase to Achieve High-Contrast Deep Imaging In Vivo. <i>Advanced Functional Materials</i> , 2020, 30, 1910765. | 7.8 | 51 |
| 88 | The Progress of Circularly Polarized Luminescence in Chiral Purely Organic Materials. <i>Advanced Photonics Research</i> , 2021, 2, 2000136. | 1.7 | 51 |
| 89 | Hole-Transporting Materials for Perovskite Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2182-2200. | 1.3 | 49 |
| 90 | In Situ Imaging of Cysteine in the Brains of Mice with Epilepsy by a Near-Infrared Emissive Fluorescent Probe. <i>Analytical Chemistry</i> , 2020, 92, 2802-2808. | 3.2 | 49 |

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|-----|---|-----|-----------|
| 91 | Reaction-based conjugated polymer fluorescent probe for mercury(Hg^{2+}): good sensing performance with "turn-on" signal output. <i>Polymer Chemistry</i> , 2017, 8, 2221-2226. | 1.9 | 48 |
| 92 | Room-Temperature Phosphorescence Invoked Through Norbornyl-Driven Intermolecular Interaction Intensification with Anomalous Reversible Solid-State Photochromism. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20161-20166. | 7.2 | 47 |
| 93 | A pseudo-two-dimensional conjugated polysquaraine: an efficient p-type polymer semiconductor for organic photovoltaics and perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13644-13651. | 5.2 | 47 |
| 94 | New series of AB ₂ -type hyperbranched polytriazoles derived from the same polymeric intermediate: Different endcapping spacers with adjustable bulk and convenient syntheses via click chemistry under copper(I) catalysis. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1977-1987. | 2.5 | 45 |
| 95 | Hole Transport Materials Based on 6,12-Dihydroindeno[1,2-b]fluorine with Different Periphery Groups: A New Strategy for Dopant-Free Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1901296. | 7.8 | 45 |
| 96 | Second-order nonlinear optical dendrimers containing different types of isolation groups: convenient synthesis through powerful "click chemistry" and large NLO effects. <i>Journal of Materials Chemistry C</i> , 2013, 1, 717-728. | 2.7 | 44 |
| 97 | Tetraphenylcyclopentadiene Derivatives: Aggregation-Induced Emission, Adjustable Luminescence from Green to Blue, Efficient Undoped OLED Performance and Good Mechanochromic Properties. <i>Small</i> , 2016, 12, 6623-6632. | 5.2 | 44 |
| 98 | Halogen-Containing TPA-Based Luminogens: Different Molecular Packing and Different Mechanoluminescence. <i>Advanced Optical Materials</i> , 2019, 7, 1900505. | 3.6 | 43 |
| 99 | Partially Controlling Molecular Packing to Achieve Off-On Mechanochromism through Ingenious Molecular Design. <i>Advanced Optical Materials</i> , 2020, 8, 1902036. | 3.6 | 43 |
| 100 | Aromatic/perfluoroaromatic self-assembly effect: an effective strategy to improve the NLO effect. <i>Journal of Materials Chemistry</i> , 2012, 22, 18486. | 6.7 | 42 |
| 101 | A relay strategy for the mercury (II) chemodosimeter with ultra-sensitivity as test strips. <i>Scientific Reports</i> , 2015, 5, 15987. | 1.6 | 42 |
| 102 | Second-Order Nonlinear Optical Dendrimers and Dendronized Hyperbranched Polymers. <i>Chemical Record</i> , 2017, 17, 71-89. | 2.9 | 42 |
| 103 | Molecular Uniting Set Identified Characteristic (MUSIC) of Organic Optoelectronic Material. <i>Chinese Journal of Chemistry</i> , 2022, 40, 2356-2370. | 2.6 | 42 |
| 104 | How the linkage positions affect the performance of bulk-heterojunction polymer solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 12523. | 6.7 | 41 |
| 105 | The marriage of AIE and interface engineering: convenient synthesis and enhanced photovoltaic performance. <i>Chemical Science</i> , 2017, 8, 3750-3758. | 3.7 | 41 |
| 106 | To form AIE product with the target analyte: A new strategy for excellent fluorescent probes, and convenient detection of hydrazine in seconds with test strips. <i>Science China Chemistry</i> , 2017, 60, 1596-1601. | 4.2 | 41 |
| 107 | Structural Design of Blue-to-Red Thermally-Activated Delayed Fluorescence Molecules by Adjusting the Strength between Donor and Acceptor. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1262-1276. | 1.3 | 41 |
| 108 | Room temperature phosphorescence achieved by aromatic/perfluoroaromatic interactions. <i>Science China Chemistry</i> , 2022, 65, 918-925. | 4.2 | 41 |

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|-----|---|-----|-----------|
| 109 | Influences of Conjugation Extent on the Aggregation-Induced Emission Quantum Efficiency in Silole Derivatives: A Computational Study. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2154-2161. | 1.7 | 40 |
| 110 | Dendronized hyperbranched polymers containing isolation chromophores: design, synthesis and further enhancement of the comprehensive NLO performance. <i>Polymer Chemistry</i> , 2015, 6, 5580-5589. | 1.9 | 40 |
| 111 | A new polyfluorene bearing pyridine moieties: a sensitive fluorescent chemosensor for metal ions and cyanide. <i>Polymer Chemistry</i> , 2012, 3, 1446. | 1.9 | 39 |
| 112 | Molecular Conformation-Dependent Mechanoluminescence: Same Mechanical Stimulus but Different Emissive Color over Time. <i>Angewandte Chemie</i> , 2018, 130, 14370-14374. | 1.6 | 39 |
| 113 | Phenanthroimidazole derivatives with minor structural differences: crystalline polymorphisms, different molecular packing, and totally different mechanoluminescence. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13759-13763. | 2.7 | 39 |
| 114 | Insight from the old: mechanochromism and mechanoluminescence of two amine-containing tetraphenylethylene isomers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11790-11796. | 2.7 | 38 |
| 115 | New hyperbranched polyaryleneethynylene containing azobenzenechromophore moieties in the main chain: facile synthesis, large optical nonlinearity and high thermal stability. <i>Polymer Chemistry</i> , 2010, 1, 78-81. | 1.9 | 37 |
| 116 | A highly sensitive and selective fluorescent probe for hypochlorite in pure water with aggregation induced emission characteristics. <i>Faraday Discussions</i> , 2017, 196, 427-438. | 1.6 | 37 |
| 117 | Upconversion System with Quantum Dots as Sensitizer: Improved Photoluminescence and PDT Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41100-41108. | 4.0 | 37 |
| 118 | Intermolecular electronic coupling of 9-methyl-9H-dibenzo[a,c] carbazole for strong emission in aggregated state by substituent effect. <i>Science China Chemistry</i> , 2020, 63, 1435-1442. | 4.2 | 36 |
| 119 | Modulating the Luminescence of Upconversion Nanoparticles with Heavy Metal Ions: A New Strategy for Probe Design. <i>Analytical Chemistry</i> , 2016, 88, 9989-9995. | 3.2 | 35 |
| 120 | Visualizing Oxidative Stress Level for Timely Assessment of Ischemic Stroke via a Ratiometric Near-Infrared-II Luminescent Nanoprobe. <i>ACS Nano</i> , 2021, 15, 11940-11952. | 7.3 | 35 |
| 121 | Synthesis and characterization of a new disubstituted polyacetylene containing indolylazo moieties in side chains. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5672-5681. | 2.5 | 34 |
| 122 | New second-order nonlinear optical (NLO) hyperbranched polymers containing isolation chromophore moieties derived from one-pot $A_2 + B_4$ approach via Suzuki coupling reaction. <i>RSC Advances</i> , 2012, 2, 6520. | 1.7 | 34 |
| 123 | Water-soluble graphene sheets with large optical limiting response via non-covalent functionalization with polyacetylenes. <i>Journal of Materials Chemistry</i> , 2012, 22, 22624. | 6.7 | 34 |
| 124 | Halogen-substituted triphenylamine derivatives with intense mechanoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12256-12262. | 2.7 | 34 |
| 125 | Assembly-Induced Emission of Cellulose Nanocrystals for Hiding Information. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800412. | 1.2 | 34 |
| 126 | The influence of intermolecular interactions and molecular packings on mechanochromism and mechanoluminescence – a tetraphenylethylene derivative case. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12709-12716. | 2.7 | 34 |

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|-----|--|-----|-----------|
| 127 | Monitoring Neuroinflammation with an HOCl-Activatable and Blood-Brain Barrier Permeable Upconversion Nanoprobe. <i>Analytical Chemistry</i> , 2020, 92, 5569-5576. | 3.2 | 34 |
| 128 | The introduction of conjugated isolation groups into the common acceptor cyanoacrylic acid: an efficient strategy to suppress the charge recombination in dye sensitized solar cells and the dramatically improved efficiency from 5.89% to 9.44%. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16403-16409. | 5.2 | 33 |
| 129 | Organic luminogens bearing alkyl substituents: design flexibility, adjustable molecular packing, and optimized performance. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1525-1540. | 3.2 | 33 |
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