# Lixiang Wang

List of Publications by Year
in descending order



| | | 20817 | 38395 |
|---|---|---|---|
| 310 | 13,123 | 60 | 95 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 314 | 314 | 314 | 8490 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Highâ€Efficiency Single Emissive Layer White Organic Lightâ€Emitting Diodes Based on Solutionâ€Processed Dendritic Host and New Orangeâ€Emitting Iridium Complex. Advanced Materials, 2012, 24, 1873-1877. | 21.0 | 345 |
| 2 | Blue Thermally Activated Delayed Fluorescence Polymers with Nonconjugated Backbone and Through-Space Charge Transfer Effect. Journal of the American Chemical Society, 2017, 139, 17739-17742. | 13.7 | 311 |
| 3 | Polymer Acceptor Based on Double Bâ†N Bridged Bipyridine (BNBP) Unit for Highâ€Efficiency Allâ€Polymer Solar Cells. Advanced Materials, 2016, 28, 6504-6508. | 21.0 | 298 |
| 4 | An Electronâ€Deficient Building Block Based on the Bâ†N Unit: An Electron Acceptor for Allâ€Polymer Solar Cells. Angewandte Chemie - International Edition, 2016, 55, 1436-1440. | 13.8 | 235 |
| 5 | Polymer Acceptor Based on Bâ†N Units with Enhanced Electron Mobility for Efficient Allâ€Polymer Solar Cells. Angewandte Chemie - International Edition, 2016, 55, 5313-5317. | 13.8 | 218 |
| 6 | Developing Conjugated Polymers with High Electron Affinity by Replacing a Cï£¿C Unit with a Bâ†N Unit. Angewandte Chemie - International Edition, 2015, 54, 3648-3652. | 13.8 | 212 |
| 7 | Metallophosphors of platinum with distinct main-group elements: a versatile approach towards color tuning and white-light emission with superior efficiency/color quality/brightness trade-offs. Journal of Materials Chemistry, 2010, 20, 7472. | 6.7 | 210 |
| 8 | Developing Throughâ€Space Charge Transfer Polymers as a General Approach to Realize Fullâ€Color and White Emission with Thermally Activated Delayed Fluorescence. Angewandte Chemie - International Edition, 2019, 58, 8405-8409. | 13.8 | 196 |
| 9 | Selfâ€Host Blueâ€Emitting Iridium Dendrimer with Carbazole Dendrons: Nondoped Phosphorescent Organic Lightâ€Emitting Diodes. Angewandte Chemie - International Edition, 2014, 53, 1048-1052. | 13.8 | 187 |
| 10 | Polymer Acceptors Containing Bâ†N Units for Organic Photovoltaics. Accounts of Chemical Research, 2020, 53, 1557-1567. | 15.6 | 176 |
| 11 | Oxadiazole-Functionalized Europium(III) Î²-Diketonate Complex for Efficient Red Electroluminescence. Chemistry of Materials, 2003, 15, 1935-1937. | 6.7 | 162 |
| 12 | Novel hole-transporting materials based on 1,4-bis(carbazolyl)benzene for organic light-emitting devices. Journal of Materials Chemistry, 2004, 14, 895. | 6.7 | 156 |
| 13 | Replacing Alkyl with Oligo(ethylene glycol) as Side Chains of Conjugated Polymers for Close Ï€â€“Ï€ Stacking. Macromolecules, 2015, 48, 4357-4363. | 4.8 | 155 |
| 14 | A Divergent Synthesis of Very Large Polyphenylene Dendrimers with Iridium(III) Cores: Molecular Size Effect on the Performance of Phosphorescent Organic Light-Emitting Diodes. Journal of the American Chemical Society, 2009, 131, 14329-14336. | 13.7 | 144 |
| 15 | Solutionâ€Processible Red Iridium Dendrimers based on Oligocarbazole Host Dendrons: Synthesis, Properties, and their Applications in Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2008, 18, 2754-2762. | 14.9 | 142 |
| 16 | Solutionâ€Processable Carbazoleâ€Based Conjugated Dendritic Hosts for Powerâ€Efficient Blueâ€Electrophosphorescent Devices. Advanced Materials, 2009, 21, 4983-4986. | 21.0 | 141 |
| 17 | White electroluminescence from polyfluorene chemically doped with 1,8-napthalimide moieties. Applied Physics Letters, 2004, 85, 2172-2174. | 3.3 | 140 |
| 18 | White Electroluminescence from All-Phosphorescent Single Polymers on a Fluorinated Poly(arylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5<br>the American Chemical Society, 2012, 134, 20290-20293. | 13.7 | 140 |

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| 19 | Design of star-shaped molecular architectures based on carbazole and phosphine oxide moieties: towards amorphous bipolar hosts with high triplet energy for efficient blue electrophosphorescent devices. Journal of Materials Chemistry, 2010, 20, 8126. | 6.7 | 131 |
| 20 | Bifunctional Green Iridium Dendrimers with a â€œSelfâ€•Hostâ€•Feature for Highly Efficient Nondoped Electrophosphorescent Devices. Angewandte Chemie - International Edition, 2009, 48, 6664-6666. | 13.8 | 130 |
| 21 | Through-space charge transfer hexaarylbenzene dendrimers with thermally activated delayed fluorescence and aggregation-induced emission for efficient solution-processed OLEDs. Chemical Science, 2019, 10, 2915-2923. | 7.4 | 126 |
| 22 | Solution-Processed Phosphorescent Organic Light-Emitting Diodes with Ultralow Driving Voltage and Very High Power Efficiency. Scientific Reports, 2015, 5, 12487. | 3.3 | 122 |
| 23 | Conjugated polymers containing Bâ†N unit as electron acceptors for all-polymer solar cells. Science China Chemistry, 2017, 60, 450-459. | 8.2 | 122 |
| 24 | Diketopyrrolopyrroleâ€based Conjugated Polymers Bearing Branched Oligo(Ethylene Glycol) Side Chains for Photovoltaic Devices. Angewandte Chemie - International Edition, 2016, 55, 10376-10380. | 13.8 | 120 |
| 25 | Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915. | 5.9 | 117 |
| 26 | White Electroluminescence from a Starâ€like Polymer with an Orange Emissive Core and Four Blue Emissive Arms. Advanced Materials, 2008, 20, 1357-1362. | 21.0 | 115 |
| 27 | Throughâ€Space Chargeâ€Transfer Polynorbornenes with Fixed and Controllable Spatial Alignment of Donor and Acceptor for Highâ€Efficiency Blue Thermally Activated Delayed Fluorescence. Angewandte Chemie - International Edition, 2020, 59, 20174-20182. | 13.8 | 110 |
| 28 | pâ€“Ï€ Conjugated Polymers Based on Stable Triarylborane with nâ€Type Behavior in Optoelectronic Devices. Angewandte Chemie - International Edition, 2018, 57, 2183-2187. | 13.8 | 109 |
| 29 | Multifunctional metallophosphors with anti-tripletâ€“triplet annihilation properties for solution-processable electroluminescent devices. Journal of Materials Chemistry, 2008, 18, 1799. | 6.7 | 108 |
| 30 | A Novel, Bipolar Polymeric Host for Highly Efficient Blue Electrophosphorescence: a Nonâ€Conjugated Poly(aryl ether) Containing Triphenylphosphine Oxide Units in the Electronâ€Transporting Main Chain and Carbazole Units in Holeâ€Transporting Side Chains. Advanced Materials, 2011, 23, 3570-3574. | 21.0 | 108 |
| 31 | Fluorescent Conjugated Polymer-Stabilized Gold Nanoparticles for Sensitive and Selective Detection of Cysteine. Journal of Physical Chemistry C, 2007, 111, 13414-13417. | 3.1 | 102 |
| 32 | Throughâ€space charge transfer polymers for solutionâ€processed organic lightâ€emitting diodes. Aggregate, 2020, 1, 45-56. | 9.9 | 100 |
| 33 | Highly Selective and Sensitive Detection of Cyanide by a Reaction-Based Conjugated Polymer Chemosensor. Macromolecules, 2011, 44, 4241-4248. | 4.8 | 99 |
| 34 | A polymer acceptor with an optimal LUMO energy level for all-polymer solar cells. Chemical Science, 2016, 7, 6197-6202. | 7.4 | 98 |
| 35 | Novel Polyphenylenes Containing Phenol-Substituted Oxadiazole Moieties as Fluorescent Chemosensors for Fluoride Ion. Macromolecules, 2005, 38, 2148-2153. | 4.8 | 95 |
| 36 | Efficient and thermally stable organic solar cells based on small molecule donor and polymer acceptor. Nature Communications, 2019, 10, 3271. | 12.8 | 94 |

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|---|---|---|---|
| 37 | Platinum(II)â€“Bis(aryleneethynylene) Complexes for Solutionâ€Processible Molecular Bulk Heterojunction Solar Cells. Chemistry - A European Journal, 2012, 18, 1502-1511. | 3.3 | 93 |
| 38 | Organoboron molecules and polymers for organic solar cell applications. Chemical Society Reviews, 2022, 51, 153-187. | 38.1 | 92 |
| 39 | Highly Efficient Blue Electrophosphorescent Polymers with Fluorinated Poly(arylene ether phosphine) Tj ETQq1 1 0.784314 rgBT /Ove | 13.7 | 90 |
| 40 | Highâ€Performance Allâ€Polymer Whiteâ€Lightâ€Emitting Diodes Using Polyfluorene Containing Phosphonate Groups as an Efficient Electronâ€Injection Layer. Advanced Functional Materials, 2010, 20, 2951-2957. | 14.9 | 87 |
| 41 | nâ€Type Azaacenes Containing Bâ†N Units. Angewandte Chemie - International Edition, 2018, 57, 2000-2004. | 13.8 | 82 |
| 42 | A versatile color tuning strategy for iridium(III) and platinum(II) electrophosphors by shifting the charge-transfer states with an electron-deficient core. Journal of Materials Chemistry, 2009, 19, 1872. | 6.7 | 80 |
| 43 | A Distannylated Monomer of a Strong Electronâ€Accepting Organoboron Building Block: Enabling Acceptorâ€“Acceptorâ€Type Conjugated Polymers for nâ€Type Thermoelectric Applications. Angewandte Chemie - International Edition, 2021, 60, 16184-16190. | 13.8 | 78 |
| 44 | High power efficiency tandem organic light-emitting diodes based on bulk heterojunction organic bipolar charge generation layer. Applied Physics Letters, 2011, 98, 243309. | 3.3 | 77 |
| 45 | Oligo(ethylene glycol) as side chains of conjugated polymers for optoelectronic applications. Polymer Chemistry, 2020, 11, 1261-1270. | 3.9 | 76 |
| 46 | Novel boron- and sulfur-doped polycyclic aromatic hydrocarbon as multiple resonance emitter for ultrapure blue thermally activated delayed fluorescence polymers. Science China Chemistry, 2021, 64, 547-551. | 8.2 | 76 |
| 47 | Solution-dispersed porous hyperbranched conjugated polymer nanoparticles for fluorescent sensing of TNT with enhanced sensitivity. Polymer Chemistry, 2014, 5, 4521. | 3.9 | 74 |
| 48 | Highly efficient single-emitting-layer white organic light-emitting diodes with reduced efficiency roll-off. Applied Physics Letters, 2009, 94, . | 3.3 | 72 |
| 49 | Constructing the nanointerpenetrating structure of PCDTBT:PC70BM bulk heterojunction solar cells induced by aggregation of PC70BM via mixed-solvent vapor annealing. Journal of Materials Chemistry A, 2013, 1, 6216. | 10.3 | 72 |
| 50 | Oxadiazole-containing material with intense blue phosphorescence emission for organic light-emitting diodes. Applied Physics Letters, 2002, 81, 4-6. | 3.3 | 71 |
| 51 | Highly efficient green light emitting polyfluorene incorporated with 4-diphenylamino-1,8-naphthalimide as green dopant. Journal of Materials Chemistry, 2006, 16, 1431. | 6.7 | 69 |
| 52 | Controlling charge balance and exciton recombination by bipolar host in single-layer organic light-emitting diodes. Journal of Applied Physics, 2010, 108, . | 2.5 | 69 |
| 53 | Solutionâ€Processible 2,2â€²â€Dimethylâ€biphenyl Cored Carbazole Dendrimers as Universal Hosts for Efficient Blue, Green, and Red Phosphorescent OLEDs. Advanced Functional Materials, 2014, 24, 3413-3421. | 14.9 | 67 |
| 54 | Novel thiophene-aryl co-oligomers for organic thin film transistors. Journal of Materials Chemistry, 2005, 15, 3026. | 6.7 | 66 |

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| 55 | Highly efficient iridium(<scp>iii</scp>) phosphors with phenoxy-substituted ligands and their high-performance OLEDs. Journal of Materials Chemistry C, 2013, 1, 808-821. | 5.5 | 66 |
| 56 | Bridging Small Molecules to Conjugated Polymers: Efficient Thermally Activated Delayed Fluorescence with a Methylâ€Substituted Phenylene Linker. Angewandte Chemie - International Edition, 2020, 59, 1320-1326. | 13.8 | 66 |
| 57 | Highly efficient phosphorescent bis-cyclometalated iridium complexes based on quinoline ligands. Synthetic Metals, 2005, 155, 539-548. | 3.9 | 65 |
| 58 | Redâ€Emitting Polyfluorenes Grafted with Quinolineâ€Based Iridium Complex: â€œSimple Polymeric Chain, Unexpected High Efficiencyâ€• Advanced Functional Materials, 2010, 20, 138-146. | 14.9 | 65 |
| 59 | Thiazole-based metallophosphors of iridium with balanced carrier injection/transporting features and their two-colour WOLEDs fabricated by both vacuum deposition and solution processing-vacuum deposition hybrid strategy. Journal of Materials Chemistry, 2012, 22, 7136. | 6.7 | 64 |
| 60 | Efficient Electrophosphorescence from a Platinum Metallopolyyne Featuring a 2,7â€Carbazole Chromophore. Macromolecular Chemistry and Physics, 2009, 210, 1786-1798. | 2.2 | 62 |
| 61 | Stericallyâ€Locked Donorâ€“Acceptor Conjugated Polymers Showing Efficient Thermally Activated Delayed Fluorescence. Angewandte Chemie - International Edition, 2021, 60, 9635-9641. | 13.8 | 61 |
| 62 | An Aâ€“Dâ€“Aâ€²â€“Dâ€“A type small molecule acceptor with a broad absorption spectrum for organic solar cells. Chemical Communications, 2018, 54, 303-306. | 4.1 | 61 |
| 63 | Pure and Saturated Red Electroluminescent Polyfluorenes with Dopant/Host System and PLED Efficiency/Color Purity Tradeâ€Offs. Advanced Functional Materials, 2010, 20, 3143-3153. | 14.9 | 60 |
| 64 | An Electroactive Pure Organic Roomâ€Temperature Phosphorescence Polymer Based on a Donorâ€Oxygenâ€Acceptor Geometry. Angewandte Chemie - International Edition, 2021, 60, 2455-2463. | 13.8 | 60 |
| 65 | Suppressing thermal quenching via defect passivation for efficient quasi-2D perovskite light-emitting diodes. Light: Science and Applications, 2022, 11, 69. | 16.6 | 60 |
| 66 | Synthesis, Light-Emitting, and Two-Photon Absorption Properties of Platinum-Containing Poly(arylene-ethynylene)s Linked by 1,3,4-Oxadiazole Units. Macromolecules, 2010, 43, 7936-7949. | 4.8 | 59 |
| 67 | Synthesis and characterization of white-light-emitting polyfluorenes containing orange phosphorescent moieties in the side chain. Journal of Polymer Science Part A, 2007, 45, 1746-1757. | 2.3 | 57 |
| 68 | Polymer Acceptor Based on Bâ†N Units with Enhanced Electron Mobility for Efficient Allâ€Polymer Solar Cells. Angewandte Chemie, 2016, 128, 5399-5403. | 2.0 | 57 |
| 69 | High-Performance Solution-Processed Red Thermally Activated Delayed Fluorescence OLEDs Employing Aggregation-Induced Emission-Active Triazatruxene-Based Emitters. ACS Applied Materials & Interfaces, 2020, 12, 30652-30658. | 8.0 | 57 |
| 70 | Triazatruxene-based small molecules with thermally activated delayed fluorescence, aggregation-induced emission and mechanochromic luminescence properties for solution-processable nondoped OLEDs. Journal of Materials Chemistry C, 2018, 6, 12503-12508. | 5.5 | 56 |
| 71 | An Electronâ€Deficient Building Block Based on the Bâ†N Unit: An Electron Acceptor for Allâ€Polymer Solar Cells. Angewandte Chemie, 2016, 128, 1458-1462. | 2.0 | 54 |
| 72 | Dendron engineering in self-host blue iridium dendrimers towards low-voltage-driving and power-efficient nondoped electrophosphorescent devices. Chemical Communications, 2017, 53, 180-183. | 4.1 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Enhancement of inverted polymer solar cells with solution-processed ZnO-TiOX composite as cathode buffer layer. Applied Physics Letters, 2012, 100, 213906. | 3.3 | 52 |
| 74 | Detection of explosives with porous xerogel film from conjugated carbazole-based dendrimers. Journal of Materials Chemistry C, 2013, 1, 786-792. | 5.5 | 51 |
| 75 | A high-performance tandem white organic light-emitting diode combining highly effective white-units and their interconnection layer. Journal of Applied Physics, 2009, 105, 076101. | 2.5 | 50 |
| 76 | Starburst 4,4â€²,4â€²â€²-tris(carbazol-9-yl)-triphenylamine-based deep-blue fluorescent emitters with tunable oligophenyl length for solution-processed undoped organic light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 861-869. | 5.5 | 50 |
| 77 | Polymer solar cells with open-circuit voltage of 1.3 V using polymer electron acceptor with high LUMO level. Nano Energy, 2017, 32, 216-224. | 16.0 | 50 |
| 78 | Through-space charge transfer blue polymers containing acridan donor and oxygen-bridged triphenylboron acceptor for highly efficient solution-processed organic light-emitting diodes. Science China Chemistry, 2020, 63, 1112-1120. | 8.2 | 50 |
| 79 | Improving Active Layer Morphology of All-Polymer Solar Cells by Dissolving the Two Polymers Individually. Macromolecules, 2019, 52, 2402-2410. | 4.8 | 49 |
| 80 | Ï€â€Stacked Donorâ€“Acceptor Dendrimers for Highly Efficient White Electroluminescence. Angewandte Chemie - International Edition, 2021, 60, 16585-16593. | 13.8 | 49 |
| 81 | Green light-emitting polyfluorenes with improved color purity incorporated with 4,7-diphenyl-2,1,3-benzothiadiazole moieties. Journal of Materials Chemistry, 2007, 17, 2832. | 6.7 | 48 |
| 82 | Poly(spirobifluorene)s Containing Nonconjugated Diphenylsulfone Moiety: Toward Blue Emission Through a Weak Charge Transfer Effect. Macromolecules, 2014, 47, 2907-2914. | 4.8 | 48 |
| 83 | Facile synthesis of self-host functional iridium dendrimers up to the fourth generation with N-phenylcarbazole-based polyether dendrons for non-doped phosphorescent organic light-emitting diodes. Polymer Chemistry, 2015, 6, 1180-1191. | 3.9 | 48 |
| 84 | An organoboron compound with a wide absorption spectrum for solar cell applications. Chemical Communications, 2017, 53, 12213-12216. | 4.1 | 48 |
| 85 | Self-host heteroleptic green iridium dendrimers: achieving efficient non-doped device performance based on a simple molecular structure. Chemical Communications, 2011, 47, 9519. | 4.1 | 47 |
| 86 | Low-bandgap polymer electron acceptors based on double B â†•N bridged bipyridine (BNBP) and diketopyrrolopyrrole (DPP) units for all-polymer solar cells. Journal of Materials Chemistry C, 2016, 4, 9961-9967. | 5.5 | 46 |
| 87 | Self-Host Blue-Emitting Iridium Dendrimer Containing Bipolar Dendrons for Nondoped Electrophosphorescent Devices with Superior High-Brightness Performance. ACS Applied Materials & Interfaces, 2016, 8, 29600-29607. | 8.0 | 46 |
| 88 | Fine-Tuning LUMO Energy Levels of Conjugated Polymers Containing a Bâ†N Unit. Macromolecules, 2017, 50, 8521-8528. | 4.8 | 46 |
| 89 | High-Energy-Level Blue Phosphor for Solution-Processed White Organic Light-Emitting Diodes with Efficiency Comparable to Fluorescent Tubes. IScience, 2018, 6, 128-137. | 4.1 | 46 |
| 90 | Electron-transporting polymers based on a double Bâ†N bridged bipyridine (BNBP) unit. Chemical Communications, 2017, 53, 1649-1652. | 4.1 | 45 |

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| 91 | Solution-processed multilayer green electrophosphorescent devices with self-host iridium dendrimers as the nondoped emitting layer: achieving high efficiency while avoiding redissolution-induced batch-to-batch variation. Chemical Communications, 2017, 53, 5128-5131. | 4.1 | 45 |
| 92 | Meta Junction Promoting Efficient Thermally Activated Delayed Fluorescence in Donorâ€Acceptor Conjugated Polymers. Angewandte Chemie - International Edition, 2020, 59, 17903-17909. | 13.8 | 45 |
| 93 | Solution processable red iridium dendrimers containing oligocarbazole dendrons for efficient nondoped and doped phosphorescent OLEDs. Journal of Materials Chemistry C, 2017, 5, 9753-9760. | 5.5 | 43 |
| 94 | Red-Emitting Thermally Activated Delayed Fluorescence Polymers with Poly(fluorene-co-3,3â€²-dimethyl diphenyl ether) as the Backbone. Macromolecules, 2018, 51, 9933-9942. | 4.8 | 43 |
| 95 | Improving Active Layer Morphology of All-Polymer Solar Cells by Solution Temperature. Macromolecules, 2020, 53, 3325-3331. | 4.8 | 43 |
| 96 | Green Electrophosphorescent Polymers with Poly(3,6â€Carbazole) as the Backbone: A Linear Structure Does Realize High Efficiency. Advanced Materials, 2011, 23, 3726-3729. | 21.0 | 42 |
| 97 | Phosphonate-Functionalized Donor Polymer as an Underlying Interlayer To Improve Active Layer Morphology in Polymer Solar Cells. Macromolecules, 2014, 47, 6246-6251. | 4.8 | 42 |
| 98 | Stable and efficient deep-blue terfluorenes functionalized with carbazole dendrons for solution-processed organic light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 8895-8903. | 5.5 | 42 |
| 99 | Highly Efficient Phosphorescent Furo[3,2-c]pyridine Based Iridium Complexes with Tunable Emission Colors over the Whole Visible Range. ACS Applied Materials & Interfaces, 2018, 10, 1888-1896. | 8.0 | 42 |
| 100 | Amorphous Polymer Acceptor Containing B â†•N Units Matches Various Polymer Donors for All-Polymer Solar Cells. Macromolecules, 2019, 52, 7081-7088. | 4.8 | 42 |
| 101 | A p-Ï€* conjugated triarylborane as an alcohol-processable n-type semiconductor for organic optoelectronic devices. Journal of Materials Chemistry C, 2019, 7, 7427-7432. | 5.5 | 42 |
| 102 | B â†•N Unit Enables n-Doping of Conjugated Polymers for Thermoelectric Application. ACS Applied Materials & Interfaces, 2020, 12, 10428-10433. | 8.0 | 42 |
| 103 | Phosphorescent Cuprous Complexes with N,O Ligands â€“ Synthesis, Photoluminescence, and Electroluminescence. European Journal of Inorganic Chemistry, 2010, 2010, 4009-4017. | 2.0 | 41 |
| 104 | A Crossâ€Linkable Donor Polymer as the Underlying Layer to Tune the Active Layer Morphology of Polymer Solar Cells. Advanced Functional Materials, 2016, 26, 226-232. | 14.9 | 41 |
| 105 | Efficient Blue, Green, and Red Electroluminescence from Carbazole-Functionalized Poly(spirobifluorene)s. Macromolecules, 2017, 50, 6945-6953. | 4.8 | 41 |
| 106 | An oligocarbazole-encapsulated heteroleptic red iridium complex for solution-processed nondoped phosphorescent organic light-emitting diodes with over 10% external quantum efficiency. Journal of Materials Chemistry C, 2017, 5, 5749-5756. | 5.5 | 40 |
| 107 | Teaching an Old Poly(arylene ether) New Tricks: Efficient Blue Thermally Activated Delayed Fluorescence. IScience, 2019, 15, 147-155. | 4.1 | 40 |
| 108 | Domain Controlling by Compound Additive toward Highly Efficient Quasiâ€2D Perovskite Lightâ€Emitting Diodes. Advanced Functional Materials, 2021, 31, 2103890. | 14.9 | 40 |

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| 109 | pâ€“Ï€ Conjugated Polymers Based on Stable Triarylborane with nâ€Type Behavior in Optoelectronic Devices. Angewandte Chemie, 2018, 130, 2205-2209. | 2.0 | 39 |
| 110 | Organic heterojunctions as a charge generation layer in tandem organic light-emitting diodes: the effect of interfacial energy level and charge carrier mobility. Journal of Materials Chemistry, 2011, 21, 15332. | 6.7 | 38 |
| 111 | Polymer Electron Acceptors with Conjugated Side Chains for Improved Photovoltaic Performance. Macromolecules, 2017, 50, 3171-3178. | 4.8 | 38 |
| 112 | Novel SolubleN-Phenyl-Carbazole-Containing PPVs for Light-Emitting Devices: Synthesis, Electrochemical, Optical, and Electroluminescent Properties. Macromolecular Chemistry and Physics, 2004, 205, 247-255. | 2.2 | 37 |
| 113 | Organic solar cells based on small molecule donors and polymer acceptors operating at 150 Â°C. Journal of Materials Chemistry A, 2020, 8, 10983-10988. | 10.3 | 37 |
| 114 | Solvent vaporâ€induced self assembly and its influence on optoelectronic conversion of poly(3â€hexylthiophene): Methanofullerene bulk heterojunction photovoltaic cells. Journal of Applied Polymer Science, 2009, 111, 1799-1804. | 2.6 | 36 |
| 115 | Single molecular tuning of the charge balance in blue-emitting iridium dendrimers for efficient nondoped solution-processed phosphorescent OLEDs. Chemical Communications, 2016, 52, 11508-11511. | 4.1 | 36 |
| 116 | Fullerene Adducts Bearing Cyano Moiety for Both High Dielectric Constant and Good Active Layer Morphology of Organic Photovoltaics. Advanced Functional Materials, 2016, 26, 6107-6113. | 14.9 | 36 |
| 117 | Achieving Deep-Blue Thermally Activated Delayed Fluorescence in Nondoped Organic Light-Emitting Diodes through a Spiro-Blocking Strategy. ACS Omega, 2019, 4, 1861-1867. | 3.5 | 36 |
| 118 | A polymer acceptor containing the Bâ†N unitfor all-polymer solar cells with 14% efficiency. Journal of Materials Chemistry A, 2021, 9, 21071-21077. | 10.3 | 36 |
| 119 | Developing Throughâ€Space Charge Transfer Polymers as a General Approach to Realize Fullâ€Color and White Emission with Thermally Activated Delayed Fluorescence. Angewandte Chemie, 2019, 131, 8493-8497. | 2.0 | 35 |
| 120 | A Conjugated Polymer Containing a B â†•N Unit for Unipolar n-Type Organic Field-Effect Transistors. ACS Applied Polymer Materials, 2020, 2, 19-25. | 4.4 | 35 |
| 121 | Polymer light-emitting diodes based on a bipolar transporting luminescent polymer. Journal of Materials Chemistry, 2003, 13, 773-777. | 6.7 | 33 |
| 122 | Highly efficient red electroluminescent polymers with dopant/host system and molecular dispersion feature: polyfluorene as the host and 2,1,3-benzothiadiazole derivatives as the red dopant. Journal of Materials Chemistry, 2008, 18, 319-327. | 6.7 | 33 |
| 123 | Blue electroluminescent polymers with dopantâ€“host systems and molecular dispersion features: polyfluorene as the deep blue host and 1,8-naphthalimide derivative units as the light blue dopants. Journal of Materials Chemistry, 2008, 18, 1659. | 6.7 | 33 |
| 124 | White electroluminescent singleâ€polymer achieved by incorporating three polyfluorene blue arms into a starâ€shaped orange core. Journal of Polymer Science Part A, 2012, 50, 2854-2862. | 2.3 | 33 |
| 125 | Small molecules based on 2,7-carbazole for efficient solution-processed organic solar cells. Journal of Materials Chemistry A, 2013, 1, 8805. | 10.3 | 33 |
| 126 | A chlorinated phenazine-based donorâ€“acceptor copolymer with enhanced photovoltaic performance. Polymer Chemistry, 2014, 5, 1848. | 3.9 | 33 |

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| 127 | Small Molecular Donor/Polymer Acceptor Type Organic Solar Cells: Effect of Molecular Weight on Active Layer Morphology. Macromolecules, 2019, 52, 8682-8689. | 4.8 | 33 |
| 128 | Enhanced stability of zinc oxide-based hybrid polymer solar cells by manipulating ultraviolet light distribution in the active layer. Applied Physics Letters, 2011, 98, 203304. | 3.3 | 32 |
| 129 | Interfacial triplet confinement for achieving efficient solution-processed deep-blue and white electrophosphorescent devices with underestimated poly(N-vinylcarbazole) as the host. Journal of Materials Chemistry C, 2013, 1, 4933. | 5.5 | 32 |
| 130 | Highâ€Performance Red Quantumâ€Dot Lightâ€Emitting Diodes Based on Organic Electron Transporting Layer. Advanced Functional Materials, 2021, 31, 2007686. | 14.9 | 32 |
| 131 | Synthesis, characterization, photoluminescent and electroluminescent properties of new conjugated 2,2â€²-(arylenedivinylene)bis-8-substituted quinolines. Journal of Materials Chemistry, 2003, 13, 1392-1399. | 6.7 | 31 |
| 132 | Development of a donor polymer using a B â†•N unit for suitable LUMO/HOMO energy levels and improved photovoltaic performance. Polymer Chemistry, 2015, 6, 8029-8035. | 3.9 | 31 |
| 133 | Color tuning of Novel 2,1,3-Naphthothiadiazole and 2,1,3-Benzoselenadiazole based D-A-Dâ€² Type dopants to realize highly efficient saturated red emission in non-polar solvents. Journal of Materials Chemistry, 2011, 21, 10265. | 6.7 | 30 |
| 134 | Ultrahigh Colorâ€Stable, Solutionâ€Processed, White OLEDs Using a Dendritic Binary Host and Longâ€Wavelength Dopants with Different Charge Trapping Depths. Advanced Optical Materials, 2015, 3, 1349-1354. | 7.3 | 30 |
| 135 | Highly efficient tandem white organic light-emitting diodes based upon C60/NaT4 organic heterojunction as charge generation layer. Journal of Materials Chemistry, 2012, 22, 8492. | 6.7 | 29 |
| 136 | Porous films based on a conjugated polymer gelator for fluorescent detection of explosive vapors. Polymer Chemistry, 2013, 4, 5056. | 3.9 | 29 |
| 137 | Synthesis and characterization of red light-emitting electrophosphorescent polymers with different triplet energy main chain. Polymer, 2011, 52, 2189-2197. | 3.8 | 28 |
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