# Yue Yu

List of Publications by Year
in descending order



| 48 | 983 | 430874 18 | 477307 29 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 49 | 49 | 49 | 1616 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Conjugated Molecules â€œBridgeâ€: Functional Ligand toward Highly Efficient and Longâ€Term Stable Perovskite Solar Cell. Advanced Functional Materials, 2019, 29, 1808119. | 14.9 | 88 |
| 2 | Asymmetric thermally activated delayed fluorescence (TADF) emitters with 5,9-dioxa-13<i>b</i>-boranaphtho[3,2,1-<i>de</i>]anthracene (OBA) as the acceptor and highly efficient blue-emitting OLEDs. Journal of Materials Chemistry C, 2019, 7, 11953-11963. | 5.5 | 58 |
| 3 | Phosphorescent Iridium(III) Complexes Bearing Fluorinated Aromatic Sulfonyl Group with Nearly Unity Phosphorescent Quantum Yields and Outstanding Electroluminescent Properties. ACS Applied Materials & Interfaces, 2015, 7, 24703-24714. | 8.0 | 57 |
| 4 | Highly efficient deep-blue organic electroluminescent devices (CIEy â‰ˆ 0.08) doped with fluorinated 9,9â€²-bianthracene derivatives (fluorophores). Journal of Materials Chemistry C, 2013, 1, 8117. | 5.5 | 55 |
| 5 | Ultra-stable CsPbBr<sub>3</sub> nanocrystals with near-unity photoluminescence quantum yield <i>via</i> postsynthetic surface engineering. Journal of Materials Chemistry A, 2019, 7, 26116-26122. | 10.3 | 50 |
| 6 | Vacuum Dual-Source Thermal-Deposited Lead-Free Cs<sub>3</sub>Cu<sub>2</sub>I<sub>5</sub> Films with High Photoluminescence Quantum Yield for Deep-Blue Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 52967-52975. | 8.0 | 50 |
| 7 | Effective blocking of the molecular aggregation of novel truxene-based emitters with spirobifluorene and electron-donating moieties for furnishing highly efficient non-doped blue-emitting OLEDs. Journal of Materials Chemistry C, 2015, 3, 5783-5794. | 5.5 | 41 |
| 8 | Improvement of light extraction in organic light-emitting diodes using a corrugated microcavity. Optics Express, 2015, 23, 4055. | 3.4 | 36 |
| 9 | Organic Emitters with a Rigid 9-Phenyl-9-phosphafluorene Oxide Moiety as the Acceptor and Their Thermally Activated Delayed Fluorescence Behavior. ACS Applied Materials & Interfaces, 2019, 11, 27112-27124. | 8.0 | 35 |
| 10 | Bifunctional Ï€-conjugated ligand assisted stable and efficient perovskite solar cell fabrication <i>via</i> interfacial stitching. Journal of Materials Chemistry A, 2019, 7, 16533-16540. | 10.3 | 29 |
| 11 | Strategically Formulating Aggregationâ€Induced Emissionâ€Active Phosphorescent Emitters by Restricting the Coordination Skeletal Deformation of Pt(II) Complexes Containing Two Independent Monodentate Ligands. Advanced Optical Materials, 2020, 8, 2000079. | 7.3 | 26 |
| 12 | Highly efficient green phosphorescent organic light-emitting diodes with low efficiency roll-off based on iridium(<scp>iii</scp>) complexes bearing oxadiazol-substituted amide ligands. Journal of Materials Chemistry C, 2016, 4, 5469-5475. | 5.5 | 25 |
| 13 | Iridium (III) complexes with 5,5-dimethyl-3-(pyridin-2-yl)cyclohex-2-enone ligands as sensitizer for dye-sensitized solar cells. Organic Electronics, 2013, 14, 3297-3305. | 2.6 | 23 |
| 14 | Fluorinated 9,9â€²-bianthracene derivatives with twisted intramolecular charge-transfer excited states as blue host materials for high-performance fluorescent electroluminescence. Journal of Materials Chemistry C, 2014, 2, 9375-9384. | 5.5 | 23 |
| 15 | Isomers of Coumarin-Based Cyclometalated Ir(III) Complexes with Easily Tuned Phosphorescent Color and Features for Highly Efficient Organic Light-Emitting Diodes. Inorganic Chemistry, 2019, 58, 7393-7408. | 4.0 | 23 |
| 16 | Polyelectrolyte-Mediated Nontoxic AgGa<sub><i>x</i></sub>In<sub>1â€“<i>x</i></sub>S<sub>2</sub> QDs/Low-Density Lipoprotein Nanoprobe for Selective 3D Fluorescence Imaging of Cancer Stem Cells. ACS Applied Materials & Interfaces, 2019, 11, 9884-9892. | 8.0 | 22 |
| 17 | Fluorinated anthracene derivatives as deep-blue emitters and host materials for highly efficient organic light-emitting devices. RSC Advances, 2015, 5, 59027-59036. | 3.6 | 21 |
| 18 | Mechanistic insight into how multidrug resistant Acinetobacter baumannii response regulator AdeR recognizes an intercistronic region. Nucleic Acids Research, 2017, 45, 9773-9787. | 14.5 | 20 |

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|---|---|---|---|
| 19 | Theoretical insight into the deep-blue amplified spontaneous emission of new organic semiconductor molecules. Organic Electronics, 2014, 15, 3144-3153. | 2.6 | 19 |
| 20 | Realizing improved performance of down-conversion white organic light-emitting diodes by localized surface plasmon resonance effect of Ag nanoparticles. Organic Electronics, 2016, 31, 234-239. | 2.6 | 19 |
| 21 | Enhancement of amplified spontaneous emission in organic gain media by the metallic film. Organic Electronics, 2014, 15, 2052-2058. | 2.6 | 17 |
| 22 | Novel phosphorescent polymers containing both ambipolar segments and functionalized Ir<sup>III</sup>phosphorescent moieties: synthesis, photophysical, redox, and electrophosphorescence investigation. Journal of Materials Chemistry C, 2014, 2, 9523-9535. | 5.5 | 17 |
| 23 | High Efficiency Fluorescent Electroluminescence with Extremely Low Efficiency Rollâ€Off Generated by a Donorâ€"Bianthraceneâ€"Acceptor Structure: Utilizing Perpendicular Twisted Intramolecular Charge Transfer Excited State. Advanced Optical Materials, 2018, 6, 1800060. | 7.3 | 17 |
| 24 | Strategy for achieving efficient electroluminescence with reduced efficiency roll-off: enhancement of hot excitons spin mixing and restriction of internal conversion by twisted structure regulation using an anthracene derivative. Journal of Materials Chemistry C, 2019, 7, 5604-5614. | 5.5 | 17 |
| 25 | Novel Red Phosphorescent Polymers Bearing Both Ambipolar and Functionalized Ir<sup>III</sup>Phosphorescent Moieties for Highly Efficient Organic Light-Emitting Diodes. Macromolecular Rapid Communications, 2015, 36, 71-78. | 3.9 | 16 |
| 26 | Effect of fluorocarbon (trifluoromethyl groups) substitution on blue electroluminescent properties of 9,9â€²-bianthracene derivatives with twisted intramolecular charge-transfer excited states. Dyes and Pigments, 2015, 122, 238-245. | 3.7 | 13 |
| 27 | RGB-IR Cross Input and Sub-Pixel Upsampling Network for Infrared Image Super-Resolution. Sensors, 2020, 20, 281. | 3.8 | 13 |
| 28 | Unsymmetric Heteroleptic Ir(III) Complexes with 2-Phenylquinoline and Coumarin-Based Ligand Isomers for Tuning Character of Triplet Excited States and Achieving High Electroluminescent Efficiencies. Inorganic Chemistry, 2020, 59, 12362-12374. | 4.0 | 13 |
| 29 | Optimizing molecular rigidity and thermally activated delayed fluorescence (TADF) behavior of phosphoryl center Ï€-conjugated heterocycles-based emitters by tuning chemical features of the tether groups. Chemical Engineering Journal, 2021, 413, 127445. | 12.7 | 13 |
| 30 | The molecular picture of amplified spontaneous emission of star-shaped functionalized-truxene derivatives. Journal of Materials Chemistry C, 2015, 3, 7004-7013. | 5.5 | 12 |
| 31 | Suppression of efficiency roll-off in TADF-OLEDs using Ag-island nanostructures with localized surface plasmon resonance effect. Organic Electronics, 2017, 51, 173-179. | 2.6 | 10 |
| 32 | Complementary Triple-Ligand Engineering Approach to Methylamine Lead Bromide Nanocrystals for High-Performance Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2022, 14, 10508-10516. | 8.0 | 10 |
| 33 | GPU fast restoration of non-uniform illumination images. Journal of Real-Time Image Processing, 2021, 18, 75-83. | 3.5 | 9 |
| 34 | Manipulating MLCT transition character with ppy-type four-coordinate organoboron skeleton for highly efficient long-wavelength Ir-based phosphors in organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 12650-12660. | 5.5 | 9 |
| 35 | Effect of diphenylamine substituent on charge-transfer absorption features of the iridium complexes and application in dye-sensitized solar cell. Journal of Organometallic Chemistry, 2015, 775, 55-59. | 1.8 | 8 |
| 36 | High thermal stability fluorene-based hole-injecting material for organic light-emitting devices. Optical Materials, 2016, 53, 19-23. | 3.6 | 8 |

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|---|---|---|---|
| 37 | Enhanced solid-state photoluminescence and fluorescence spectral behaviors for an ESIPT molecule: An experimental and theoretical investigation. Journal of Molecular Liquids, 2020, 318, 114176. | 4.9 | 7 |
| 38 | Silafluorene moieties as promising building blocks for constructing wide-energy-gap host materials of blue phosphorescent organic light-emitting devices. Science China Chemistry, 2015, 58, 993-998. | 8.2 | 6 |
| 39 | A solvent/non-solvent system for achieving solution-processed multilayer organic light-emitting devices. Thin Solid Films, 2015, 589, 852-856. | 1.8 | 6 |
| 40 | Efficient amplified spontaneous emission based on Ï€-conjugated fluorophore-cored molecules studied by density functional theory. Organic Electronics, 2018, 57, 123-132. | 2.6 | 6 |
| 41 | Theoretical evidence of low-threshold amplified spontaneous emission in organic emitters: transition density and intramolecular vibrational mode analysis. Physical Chemistry Chemical Physics, 2018, 20, 19515-19524. | 2.8 | 6 |
| 42 | Inverted with power efficiency over 220ÂlmÂWâ€"1. Nano Energy, 2021, 82, 105660. | 16.0 | 6 |
| 43 | Panchromatic Image Super-Resolution Via Self Attention-Augmented Wasserstein Generative Adversarial Network. Sensors, 2021, 21, 2158. | 3.8 | 6 |
| 44 | Naphthyl-functionalized oligophenyls: Photophysical properties, film morphology, and amplified spontaneous emission. Optical Materials, 2016, 54, 37-44. | 3.6 | 5 |
| 45 | Edge-Aware Superpixel Segmentation with Unsupervised Convolutional Neural Networks. , 2021, , . | | 5 |
| 46 | Harvesting the Triplet Excitons of Quasi-Two-Dimensional Perovskite toward Highly Efficient White Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2022, 13, 3674-3681. | 4.6 | 3 |
| 47 | Ultra-thick inverted green organic light-emitting diodes for high power efficiency over 300 lm/W. Organic Electronics, 2022, 101, 106414. | 2.6 | 2 |
| 48 | Realization of white organic light-emitting devices using single green emitter by coupled microcavities with two modes. Applied Physics Express, 2015, 8, 022103. | 2.4 | 0 |