Yue Yu

List of Publications by Year
in descending order

48 papers	983 citations	430874 18 h-index	477307 29 g-index
49 all docs	49 docs citations	49 times ranked	1616 citing authors

#	Article	IF	Citations
1	Ultra-thick inverted green organic light-emitting diodes for high power efficiency over 300 lm/W. Organic Electronics, 2022, 101, 106414.	2.6	2
2	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
3	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
4	GPU fast restoration of non-uniform illumination images. Journal of Real-Time Image Processing, 2021, 18, 75-83.	3.5	9
5	Inverted with power efficiency over 220ÂlmÂWâ€"1. Nano Energy, 2021, 82, 105660.	16.0	6
6	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
7	Panchromatic Image Super-Resolution Via Self Attention-Augmented Wasserstein Generative Adversarial Network. Sensors, 2021, 21, 2158.	3.8	6
8	Edge-Aware Superpixel Segmentation with Unsupervised Convolutional Neural Networks. , 2021, , .		5
9	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
10	RGB-IR Cross Input and Sub-Pixel Upsampling Network for Infrared Image Super-Resolution. Sensors, 2020, 20, 281.	3.8	13
11	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
12	Vacuum Dual-Source Thermal-Deposited Lead-Free Cs₃Cu₂I₅ Films with High Photoluminescence Quantum Yield for Deep-Blue Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 52967-52975.	8.0	50
13	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
14	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
15	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
16	Ultra-stable CsPbBr₃ 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
17	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
18	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

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19	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
20	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
21	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
22	Polyelectrolyte-Mediated Nontoxic AgGa_{<i>x</i>}In_{1â€“<i>x</i>}S₂ 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
23	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
24	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
25	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
26	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
27	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
28	Naphthyl-functionalized oligophenyls: Photophysical properties, film morphology, and amplified spontaneous emission. Optical Materials, 2016, 54, 37-44.	3.6	5
29	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
30	High thermal stability fluorene-based hole-injecting material for organic light-emitting devices. Optical Materials, 2016, 53, 19-23.	3.6	8
31	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
32	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
33	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
34	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
35	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
36	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

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37	Improvement of light extraction in organic light-emitting diodes using a corrugated microcavity. Optics Express, 2015, 23, 4055.	3.4	36
38	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
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	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
41	Novel Red Phosphorescent Polymers Bearing Both Ambipolar and Functionalized Ir^{III}Phosphorescent Moieties for Highly Efficient Organic Light-Emitting Diodes. Macromolecular Rapid Communications, 2015, 36, 71-78.	3.9	16
42	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
43	Enhancement of amplified spontaneous emission in organic gain media by the metallic film. Organic Electronics, 2014, 15, 2052-2058.	2.6	17
44	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
45	Novel phosphorescent polymers containing both ambipolar segments and functionalized Ir^{III}phosphorescent moieties: synthesis, photophysical, redox, and electrophosphorescence investigation. Journal of Materials Chemistry C, 2014, 2, 9523-9535.	5.5	17
46	Theoretical insight into the deep-blue amplified spontaneous emission of new organic semiconductor molecules. Organic Electronics, 2014, 15, 3144-3153.	2.6	19
47	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
48	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