

Yang Zou

List of Publications by Year in descending order

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46
papers

2,669
citations

257450

24
h-index

223800

46
g-index

47
all docs

47
docs citations

47
times ranked

2042
citing authors

#	ARTICLE	IF	CITATIONS
1	Precisely Controlling the Position of Bromine on the End Group Enables Well-Ordered Regular Polymer Acceptors for All-Polymer Solar Cells with Efficiencies over 15%. <i>Advanced Materials</i> , 2020, 32, e2005942.	21.0	282
2	Quenching-Resistant Multiresonance TADF Emitter Realizes 40% External Quantum Efficiency in Narrowband Electroluminescence at High Doping Level. <i>Advanced Materials</i> , 2022, 34, e2106954.	21.0	235
3	Design Strategy for Solution-Processable Thermally Activated Delayed Fluorescence Emitters and Their Applications in Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800568.	7.3	199
4	Peripheral Decoration of Multi-Resonance Molecules as a Versatile Approach for Simultaneous Long-Wavelength and Narrowband Emission. <i>Advanced Functional Materials</i> , 2021, 31, 2102017.	14.9	157
5	Reduced Energy Loss Enabled by a Chlorinated Thiophene-Fused End-Group Small Molecular Acceptor for Efficient Nonfullerene Organic Solar Cells with 13.6% Efficiency. <i>Advanced Energy Materials</i> , 2019, 9, 1900041.	19.5	144
6	High-Performance Narrowband Pure-Red OLEDs with External Quantum Efficiencies up to 36.1% and Ultralow Efficiency Roll-Off. <i>Advanced Materials</i> , 2022, 34, e2201442.	21.0	131
7	Altering alkyl-chains branching positions for boosting the performance of small-molecule acceptors for highly efficient nonfullerene organic solar cells. <i>Science China Chemistry</i> , 2020, 63, 361-369.	8.2	128
8	Organic emitter integrating aggregation-induced delayed fluorescence and room-temperature phosphorescence characteristics, and its application in time-resolved luminescence imaging. <i>Chemical Science</i> , 2018, 9, 6150-6155.	7.4	111
9	Extending the π -Skeleton of Multi-Resonance TADF Materials towards High-Efficiency Narrowband Deep-Blue Emission. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	110
10	Altering the Positions of Chlorine and Bromine Substitution on the End Group Enables High-Performance Acceptor and Efficient Organic Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2002649.	19.5	103
11	Side Group Engineering of Small Molecular Acceptors for High-Performance Fullerene-Free Polymer Solar Cells: Thiophene Being Superior to Selenophene. <i>Advanced Functional Materials</i> , 2017, 27, 1702194.	14.9	88
12	Simple Acridane-Based Multi-Resonance Structures Enable Highly Efficient Narrowband Green TADF Electroluminescence. <i>Advanced Optical Materials</i> , 2021, 9, 2100825.	7.3	79
13	Using Ring-Opening Metathesis Polymerization of Norbornene To Construct Thermally Activated Delayed Fluorescence Polymers: High-Efficiency Blue Polymer Light-Emitting Diodes. <i>Macromolecules</i> , 2018, 51, 1598-1604.	4.8	76
14	Designing an asymmetrical isomer to promote the LUMO energy level and molecular packing of a non-fullerene acceptor for polymer solar cells with 12.6% efficiency. <i>Chemical Science</i> , 2018, 9, 8142-8149.	7.4	67
15	Heteroheptacene-based acceptors with thieno[3,2- <i>b</i>]pyrrole yield high-performance polymer solar cells. <i>National Science Review</i> , 2022, 9, .	9.5	67
16	Isomerization Strategy of Nonfullerene Small-Molecule Acceptors for Organic Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2004477.	14.9	58
17	Synthesis and Solution Processing of a Hydrogen-Bonded Ladder Polymer. <i>Chem</i> , 2017, 2, 139-152.	11.7	50
18	Conformation-Tuning Effect of Asymmetric Small Molecule Acceptors on Molecular Packing, Interaction, and Photovoltaic Performance. <i>Small</i> , 2020, 16, e2001942.	10.0	49

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19	Extraordinary electrochemical stability and extended polaron delocalization of ladder-type polyaniline-analogous polymers. <i>Chemical Science</i> , 2020, 11, 12737-12745.	7.4	38
20	High-Performance Circularly Polarized Electroluminescence with Simultaneous Narrowband Emission, High Efficiency, and Large Dissymmetry Factor. <i>Advanced Materials</i> , 2022, 34, e2109147.	21.0	37
21	Simultaneously High Upconversion Efficiency and Large Anti-Stokes Shift by Using Os(II) Complex Dyad as Triplet Photosensitizer. <i>Advanced Optical Materials</i> , 2020, 8, 1902157.	7.3	36
22	A red thermally activated delayed fluorescence material as a triplet sensitizer for triplet-triplet annihilation up-conversion with high efficiency and low energy loss. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12674-12677.	5.5	34
23	Molecular Engineering Enables TADF Emitters Well Suitable for Non-Doped OLEDs with External Quantum Efficiency of Nearly 30%. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	32
24	Energy level-modulated non-fullerene small molecule acceptors for improved V_{OC} and efficiency of inverted perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3336-3343.	10.3	29
25	Copper(I) Complex as Sensitizer Enables High-Performance Organic Light-Emitting Diodes with Very Low Efficiency Roll-Off. <i>Advanced Functional Materials</i> , 2021, 31, 2106345.	14.9	25
26	Extending the π -Skeleton of Multi-Resonance TADF Materials towards High-Efficiency Narrowband Deep-Blue Emission. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	25
27	Designing dual emitting cores for highly efficient thermally activated delayed fluorescent emitters. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11615-11621.	5.5	24
28	Benzoylpyridine-based TADF emitters with AIE feature for efficient non-doped OLEDs by both evaporation and solution process. <i>Dyes and Pigments</i> , 2020, 176, 108179.	3.7	23
29	Pauli Paramagnetism of Stable Analogues of Pernigraniline Salt Featuring Ladder-Type Constitution. <i>Journal of the American Chemical Society</i> , 2020, 142, 641-648.	13.7	23
30	Novel Nitrogen-Containing Heterocyclic Non-Fullerene Acceptors for Organic Photovoltaic Cells: Different End-Capping Groups Leading to a Big Difference of Power Conversion Efficiencies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13068-13076.	8.0	21
31	Efficient non-doped fluorescent OLEDs with nearly 6% external quantum efficiency and deep-blue emission approaching the blue standard enabled by quaterphenyl-based emitters. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4479-4484.	5.5	20
32	Multi-resonance organoboron-based fluorescent probe for ultra-sensitive, selective and reversible detection of fluoride ions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1567-1571.	5.5	19
33	Fused twin-acridine scaffolds as electron donors for thermally activated delayed fluorescence emitters: controllable TADF behavior by methyl substitution. <i>Chemical Communications</i> , 2019, 55, 15125-15128.	4.1	16
34	Pyrido[2,3- <i>b</i>]pyrazine-based full-color fluorescent materials for high-performance OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12445-12449.	5.5	16
35	3D Triptycene-Fused Acridine Electron Donor Enables High-Efficiency Nondoped Thermally Activated Delayed Fluorescent OLEDs. <i>Advanced Optical Materials</i> , 2021, 9, 2100273.	7.3	16
36	A Pyrrole-Fused Asymmetrical Electron Acceptor for Polymer Solar Cells with Approaching 16% Efficiency. <i>Small Structures</i> , 2021, 2, 2000052.	12.0	14

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37	Star-shaped thermally activated delayed fluorescence emitters with a tri-armed arylsulfonic acceptor for efficient solution processed organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5580-5586.	5.5	13
38	Triarylboron-cored multi-donors TADF emitter with high horizontal dipole orientation ratio achieving high performance OLEDs with near 39% external quantum efficiency and small efficiency Roll-off. <i>Chemical Engineering Journal</i> , 2022, 450, 137805.	12.7	13
39	Realize efficient organic afterglow from simple halogenated acridan derivatives. <i>Chemical Engineering Journal</i> , 2021, 419, 129598.	12.7	12
40	A simple and effective strategy to lock the quasi-equatorial conformation of acridine by H π - π repulsion for highly efficient thermally activated delayed fluorescence emitters. <i>Chemical Communications</i> , 2020, 56, 2308-2311.	4.1	11
41	Scalable Synthesis and Multi π -Electron Transfer of Aniline/Fluorene Copolymer for Solution π -Processable Battery Cathodes. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700067.	3.9	9
42	Color-tunable tetracoordinated organoboron complexes exhibiting aggregation-induced emission for the efficient turn-on detection of fluoride ions. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2353-2360.	5.9	9
43	Synthesis of Spirobifluorene π -Carbazole Copolymers with Oxadiazole Pendants and their Thermal, Electrochemical, and Photoluminescent Properties. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1817-1822.	3.9	7
44	The role of epigenetic modifications in the osteogenic differentiation of adipose-derived stem cells. <i>Connective Tissue Research</i> , 2019, 60, 507-520.	2.3	6
45	Phenoxazine-Dibenzothiophene Sulfoximine Emitters Featuring Both Thermally Activated Delayed Fluorescence and Aggregation Induced Emission. <i>Molecules</i> , 2021, 26, 5243.	3.8	4
46	Novel tetracoordinated organoboron emitters for thermally activated delayed fluorescence organic light-emitting diodes. <i>Dyes and Pigments</i> , 2021, 188, 109192.	3.7	3