

Jia-Xiong Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

1,495
citations

20
h-index

38
g-index

50
ext. papers

1,992
ext. citations

9.9
avg, IF

4.7
L-index

#	Paper	IF	Citations
47	Bipolar Phenanthroimidazole Derivatives Containing Bulky Polyaromatic Hydrocarbons for Nondoped Blue Electroluminescence Devices with High Efficiency and Low Efficiency Roll-Off. <i>Chemistry of Materials</i> , 2013 , 25, 4957-4965	9.6	186
46	Red/Near-Infrared Thermally Activated Delayed Fluorescence OLEDs with Near 100 % Internal Quantum Efficiency. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14660-14665	16.4	149
45	Novel Strategy to Develop Exciplex Emitters for High-Performance OLEDs by Employing Thermally Activated Delayed Fluorescence Materials. <i>Advanced Functional Materials</i> , 2016 , 26, 2002-2008	15.6	149
44	Red Organic Light-Emitting Diode with External Quantum Efficiency beyond 20% Based on a Novel Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Science</i> , 2018 , 5, 1800436	13.6	126
43	Biodegradable π -Conjugated Oligomer Nanoparticles with High Photothermal Conversion Efficiency for Cancer Theranostics. <i>ACS Nano</i> , 2019 , 13, 12901-12911	16.7	104
42	Rational Design of Conjugated Small Molecules for Superior Photothermal Theranostics in the NIR-II Biowindow. <i>Advanced Materials</i> , 2020 , 32, e2001146	24	101
41	The Nanoassembly of an Intrinsically Cytotoxic Near-Infrared Dye for Multifunctionally Synergistic Theranostics. <i>Small</i> , 2019 , 15, e1903121	11	63
40	Coumarin-Based Thermally Activated Delayed Fluorescence Emitters with High External Quantum Efficiency and Low Efficiency Roll-off in the Devices. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8848-8854	9.5	53
39	Managing Locally Excited and Charge-Transfer Triplet States to Facilitate Up-Conversion in Red TADF Emitters That Are Available for Both Vacuum- and Solution-Processes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2478-2484	16.4	49
38	Stable Organic Photosensitizer Nanoparticles with Absorption Peak beyond 800 Nanometers and High Reactive Oxygen Species Yield for Multimodality Phototheranostics. <i>ACS Nano</i> , 2020 , 14, 9917-9928	16.7	48
37	Bipolar Blue Host Emitter with Unity Quantum Yield Allows Full Exciton Radiation in Single-Emissive-Layer Hybrid White Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11691-11698	9.5	43
36	Deep-Red/Near-Infrared Electroluminescence from Single-Component Charge-Transfer Complex via Thermally Activated Delayed Fluorescence Channel. <i>Advanced Functional Materials</i> , 2019 , 29, 1903112	15.6	39
35	Manipulating exciton dynamics of thermally activated delayed fluorescence materials for tuning two-photon nanotheranostics. <i>Chemical Science</i> , 2019 , 11, 888-895	9.4	39
34	A novel D π A blue fluorophore based on [1,2,4]triazolo[1,5-a]pyridine as an electron acceptor and its application in organic light-emitting diodes. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1071-1079	7.8	30
33	Efficient Orange-Red Thermally Activated Delayed Fluorescence Emitters Feasible for Both Thermal Evaporation and Solution Process. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29086-29093	9.5	30
32	Red/Near-Infrared Thermally Activated Delayed Fluorescence OLEDs with Near 100 % Internal Quantum Efficiency. <i>Angewandte Chemie</i> , 2019 , 131, 14802-14807	3.6	23
31	The impact of light irradiation timing on the efficacy of nanoformula-based photo/chemo combination therapy. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3692-3702	7.3	22

30	Hydrogen bond-modulated molecular packing and its applications in high-performance non-doped organic electroluminescence. <i>Materials Horizons</i> , 2020 , 7, 2734-2740	14.4	21
29	Isomeric thermally activated delayed fluorescence emitters based on indolo[2,3-b]acridine electron-donor: a compromising optimization for efficient orange-red organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2898-2904	7.1	20
28	The locally twisted thiophene bridged phenanthroimidazole derivatives as dual-functional emitters for efficient non-doped electroluminescent devices. <i>Organic Electronics</i> , 2015 , 18, 61-69	3.5	20
27	Optimization on Molecular Restriction for Highly Efficient Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , 2018 , 6, 1800935	8.1	19
26	Thermally Activated Delayed Fluorescence Warm White Organic Light Emitting Devices with External Quantum Efficiencies Over 30%. <i>Advanced Functional Materials</i> , 2021 , 31, 2101647	15.6	17
25	Single-Photomolecular Nanotheranostics for Synergetic Near-Infrared Fluorescence and Photoacoustic Imaging-Guided Highly Effective Photothermal Ablation. <i>Small</i> , 2020 , 16, e2002672	11	15
24	Highly efficient thermally activated delayed fluorescence emitters based on novel Indolo[2,3-b]acridine electron-donor. <i>Organic Electronics</i> , 2018 , 57, 327-334	3.5	12
23	Managing Locally Excited and Charge-Transfer Triplet States to Facilitate Up-Conversion in Red TADF Emitters That Are Available for Both Vacuum- and Solution-Processes. <i>Angewandte Chemie</i> , 2021 , 133, 2508-2514	3.6	12
22	Dibenzofuran/dibenzothiophene as the secondary electron-donors for highly efficient blue thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4475-4483	7.1	11
21	Rational molecular design of bipolar phenanthroimidazole derivatives to realize highly efficient non-doped deep blue electroluminescence with CIE _y = 0.06 and EQE approaching 6%. <i>Dyes and Pigments</i> , 2020 , 173, 107982	4.6	11
20	Characterizing the Conformational Distribution in an Amorphous Film of an Organic Emitter and Its Application in a "Self-Doping" Organic Light-Emitting Diode. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25878-25883	16.4	11
19	High-Performance Nondoped Organic Light-Emitting Diode Based on a Thermally Activated Delayed Fluorescence Emitter with 1D Intermolecular Hydrogen Bonding Interactions. <i>Advanced Optical Materials</i> , 2021 , 9, 2100461	8.1	8
18	Achieving high singlet-oxygen generation by applying the heavy-atom effect to thermally activated delayed fluorescent materials. <i>Chemical Communications</i> , 2021 , 57, 4902-4905	5.8	8
17	Highly Efficient Thermally Activated Delayed Fluorescence Emitter Developed by Replacing Carbazole With 1,3,6,8-Tetramethyl-Carbazole. <i>Frontiers in Chemistry</i> , 2019 , 7, 17	5	7
16	Fine-tuning the emissions of highly efficient thermally activated delayed fluorescence emitters with different linking positions of electron-deficient substituent groups. <i>Dyes and Pigments</i> , 2017 , 143, 62-70	4.6	6
15	Origin of thermally activated delayed fluorescence in a donor-acceptor type emitter with an optimized nearly planar geometry. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 13263-13269	7.1	6
14	Nonconjugated Triptycene-Spaced Donor-Acceptor-Type Emitters Showing Thermally Activated Delayed Fluorescence via Both Intra- and Intermolecular Charge-Transfer Transitions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25193-25201	9.5	6
13	Charge-transfer transition regulation of thermally activated delayed fluorescence emitters by changing the valence of sulfur atoms. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 17457-17463	7.1	5

12	Novel star-shaped yellow thermally activated delayed fluorescence emitter realizing over 10% external quantum efficiency at high luminance of 30000 cd m ⁻² in OLED. <i>Organic Electronics</i> , 2018 , 62, 220-226	3.5	4
11	Amplifying Free Radical Generation of AIE Photosensitizer with Small Singlet-Triplet Splitting for Hypoxia-Overcoming Photodynamic Therapy.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	4
10	Managing Intersegmental Charge-Transfer and Multiple Resonance Alignments of D3-A Typed TADF Emitters for Red OLEDs with Improved Efficiency and Color Purity. <i>Advanced Optical Materials</i> , 2101789	8.1	4
9	Optimizing Intermolecular Interactions and Energy Level Alignments of Red TADF Emitters for High-Performance Organic Light-Emitting Diodes.. <i>Small</i> , 2022 , e2201548	11	4
8	Charge-Transfer Complexes: Deep-Red/Near-Infrared Electroluminescence from Single-Component Charge-Transfer Complex via Thermally Activated Delayed Fluorescence Channel (Adv. Funct. Mater. 38/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970263	15.6	2
7	Using fullerene fragments as acceptors to construct thermally activated delayed fluorescence emitters for high-efficiency organic light-emitting diodes. <i>Chemical Engineering Journal</i> , 2022 , 435, 134731	14.7	2
6	Improving performance of thermally activated delayed fluorescence emitter by extending its LUMO distribution. <i>Science China Materials</i> , 2019 , 62, 719-728	7.1	2
5	A facile strategy for enhancing reverse intersystem crossing of red thermally activated delayed fluorescence emitters. <i>Chemical Engineering Journal</i> , 2022 , 433, 134423	14.7	1
4	High-performance red and white organic light-emitting diodes based on a novel red thermally activated delayed fluorescence emitter in an exciplex matrix. <i>Materials Today Energy</i> , 2021 , 21, 100818	7	1
3	Research Progress of Red Thermally Activated Delayed Fluorescent Materials Based on Quinoxaline. <i>Acta Chimica Sinica</i> , 2022 , 80, 359	3.3	1
2	Controlling the conjugation extension inside acceptors for enhancing reverse intersystem crossing of red thermally activated delayed fluorescence emitters. <i>Chemical Engineering Journal</i> , 2022 , 440, 135775	14.7	1
1	Titelbild: Red/Near-Infrared Thermally Activated Delayed Fluorescence OLEDs with Near 100 % Internal Quantum Efficiency (Angew. Chem. 41/2019). <i>Angewandte Chemie</i> , 2019 , 131, 14529-14529	3.6	