

Jia-Xiong Chen

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4492513/jia-xiong-chen-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
46	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
45	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
44	Research Progress of Red Thermally Activated Delayed Fluorescent Materials Based on Quinoxaline. <i>Acta Chimica Sinica</i> , 2022 , 80, 359	3.3	1
43	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
42	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
41	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
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	Rational Design of Conjugated Small Molecules for Superior Photothermal Theranostics in the NIR-II Biowindow. <i>Advanced Materials</i> , 2020 , 32, e2001146	24	101
32	Single-Photomolecular Nanotheranostics for Synergetic Near-Infrared Fluorescence and Photoacoustic Imaging-Guided Highly Effective Photothermal Ablation. <i>Small</i> , 2020 , 16, e2002672	11	15
31	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

30	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
29	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
28	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
27	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
26	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
25	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	
24	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
23	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
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	A novel D _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
20	The Nanoassembly of an Intrinsically Cytotoxic Near-Infrared Dye for Multifunctionally Synergistic Theranostics. <i>Small</i> , 2019 , 15, e1903121	11	63
19	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
18	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
17	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
16	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
15	Biodegradable E-Conjugated Oligomer Nanoparticles with High Photothermal Conversion Efficiency for Cancer Theranostics. <i>ACS Nano</i> , 2019 , 13, 12901-12911	16.7	104
14	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
13	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

12	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
11	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
10	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
9	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
8	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
7	Optimization on Molecular Restriction for Highly Efficient Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , 2018 , 6, 1800935	8.1	19
6	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
5	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
4	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
3	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
2	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
1	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