

# Thermally Activated Delayed Fluorescence Materials To Organoelectronics

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Highly Efficient Near-Infrared Delayed Fluorescence Organic Light Emitting Diodes Using a Phenanthrene-Based Charge-Transfer Compound. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13068-13072.	7.2	500
3	Thermochromism of Cu <sup>I</sup> Tetrakisguanidine Complexes: Reversible Activation of Metal-to-Ligand Charge-Transfer Bands. <i>Chemistry - A European Journal</i> , 2015, 21, 16494-16503.	1.7	22
4	Luminescent Thermochromism in a Gold(I)-Copper(I) Phosphine-Pyridine Complex. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5254-5261.	1.0	14
6	Remanagement of Singlet and Triplet Excitons in Single-Emissive Layer Hybrid White Organic Light-Emitting Devices Using Thermally Activated Delayed Fluorescent Blue Exciplex. <i>Advanced Materials</i> , 2015, 27, 7079-7085.	11.1	255
7	Light: A Very Peculiar Reactant and Product. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11320-11337.	7.2	106
8	Kinetics of thermal-assisted delayed fluorescence in blue organic emitters with large singlet-triplet energy gap. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140447.	1.6	48
9	Highly efficient and stable organic light-emitting diodes with a greatly reduced amount of phosphorescent emitter. <i>Scientific Reports</i> , 2015, 5, 9855.	1.6	62
10	Simple structured hybrid WOLEDs based on incomplete energy transfer mechanism: from blue exciplex to orange dopant. <i>Scientific Reports</i> , 2015, 5, 10234.	1.6	62
11	Exciton diffusion in organic semiconductors. <i>Energy and Environmental Science</i> , 2015, 8, 1867-1888.	15.6	670
12	Simultaneous harvesting of triplet excitons in OLEDs by both guest and host materials with an intramolecular charge-transfer feature via triplet-triplet annihilation. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6970-6978.	2.7	20
14	Thermally activated delayed fluorescence of N-phenylcarbazole and triphenylamine functionalised tris(aryl)triazines. <i>Dyes and Pigments</i> , 2015, 117, 141-148.	2.0	33
15	Theoretical Rationalization of the Singlet-Triplet Gap in OLEDs Materials: Impact of Charge-Transfer Character. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 168-177.	2.3	108
16	Nearly 100% Triplet Harvesting in Conventional Fluorescent Dopant-Based Organic Light-Emitting Devices Through Energy Transfer from Exciplex. <i>Advanced Materials</i> , 2015, 27, 2025-2030.	11.1	225
17	Nearly 100% Internal Quantum Efficiency in Undoped Electroluminescent Devices Employing Pure Organic Emitters. <i>Advanced Materials</i> , 2015, 27, 2096-2100.	11.1	495
18	Prediction and Design of Efficient Exciplex Emitters for High-Efficiency, Thermally Activated Delayed-Fluorescence Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2015, 27, 2378-2383.	11.1	299
19	Carbazole Dendrimers as Solution-Processable Thermally Activated Delayed-Fluorescence Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5677-5682.	7.2	281
20	Light blue and green thermally activated delayed fluorescence from 10H-phenoxaborin-derivatives and their application to organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9122-9130.	2.7	122
21	Understanding the Control of Singlet-Triplet Splitting for Organic Exciton Manipulating: A Combined Theoretical and Experimental Approach. <i>Scientific Reports</i> , 2015, 5, 10923.	1.6	151

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22	Essential electro-optical differences of exciplex type OLEDs based on a starburst carbazole derivative prepared by layer-by-layer and codeposition processes. <i>Synthetic Metals</i> , 2015, 209, 173-177.	2.1	4
23	Ternary donor-acceptor phosphine oxide hosts with peculiar high energy gap for efficient blue electroluminescence. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9469-9478.	2.7	18
24	Tailoring Excited-State Properties and Electroluminescence Performance of Donor-Acceptor Molecules through Tuning the Energy Level of the Charge-Transfer State. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17800-17808.	1.5	76
25	Dibenzothiophene-Based Phosphine Oxide Host and Electron-Transporting Materials for Efficient Blue Thermally Activated Delayed Fluorescence Diodes through Compatibility Optimization. <i>Chemistry of Materials</i> , 2015, 27, 5131-5140.	3.2	89
26	FRET-Activated Delayed Fluorescence in Densely Packed PbS Quantum-Dot Ensembles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17016-17022.	1.5	18
27	Transformation of photophysical properties from solution to solid state in alkoxy-cyano-diphenylacetylene molecules. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18768-18779.	1.3	5
28	Achieving high power efficiency and low roll-off OLEDs based on energy transfer from thermally activated delayed excitons to fluorescent dopants. <i>Chemical Communications</i> , 2015, 51, 11972-11975.	2.2	95
29	Theoretical investigation of dihydroacridine and diphenylsulphone derivatives as thermally activated delayed fluorescence emitters for organic light-emitting diodes. <i>RSC Advances</i> , 2015, 5, 51586-51591.	1.7	17
30	Diversity of Copper(I) Complexes Showing Thermally Activated Delayed Fluorescence: Basic Photophysical Analysis. <i>Inorganic Chemistry</i> , 2015, 54, 4322-4327.	1.9	168
31	2,4-Bis(4-aryl-1,2,3-triazol-1-yl)pyrrolo[2,3-d]pyrimidines: synthesis and tuning of optical properties by polar substituents. <i>RSC Advances</i> , 2015, 5, 38610-38622.	1.7	14
32	Effective Host Materials for Blue/White Organic Light-Emitting Diodes by Utilizing the Twisted Conjugation Structure in 10-Phenyl-10-dihydroacridine Block. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1402-1409.	1.7	31
33	Synthesis and luminescence modulation of pyrazine-based gold( $\text{I}$ ) pincer complexes. <i>Chemical Communications</i> , 2015, 51, 16629-16632.	2.2	79
34	Spatially optimized quaternary phosphine oxide host materials for high-efficiency blue phosphorescence and thermally activated delayed fluorescence organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11385-11396.	2.7	26
35	Purely organic optoelectronic materials with ultralong-lived excited states under ambient conditions. <i>Science Bulletin</i> , 2015, 60, 1631-1637.	4.3	20
36	Efficient Organic Light-Emitting Diode through Triplet Exciton Reharvesting by Employing Blended Electron Donor and Acceptor as the Emissive Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24983-24986.	4.0	35
37	Series of Carbazole-Pyrimidine Conjugates: Syntheses and Electronic, Photophysical, and Electrochemical Properties. <i>Journal of Organic Chemistry</i> , 2015, 80, 9076-9090.	1.7	67
38	Developing Quinoidal Fluorophores with Unusually Strong Red/Near-Infrared Emission. <i>Journal of the American Chemical Society</i> , 2015, 137, 11294-11302.	6.6	47
39	Excited State Features and Dynamics in a Distyrylbenzene-Based Mixed Stack Donor-Acceptor Cocrystal with Luminescent Charge Transfer Characteristics. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3682-3687.	2.1	44

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41	A sky-blue fluorescent small molecule for non-doped OLED using solution-processing. RSC Advances, 2015, 5, 71419-71424.	1.7	27
42	Blue-emitting organic electrofluorescence materials: progress and prospective. Journal of Materials Chemistry C, 2015, 3, 10957-10963.	2.7	153
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46	The effect of meta coupling on colour purity, quantum yield, and exciton utilizing efficiency in deep-blue emitters from phenanthroimidazole isomers. Physical Chemistry Chemical Physics, 2015, 17, 31894-31901.	1.3	15
47	Structure-property studies of P-triarylamine-substituted dithieno[3,2-b:2',3'-d]phospholes. RSC Advances, 2015, 5, 93797-93807.	1.7	11
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59	A "Locked" Phosphine Oxide Host with Suppressed Structural Relaxation for Highly Efficient Deep-Blue TADF Diodes. <i>Advanced Optical Materials</i> , 2016, 4, 522-528.	3.6	38
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67	Blue-shifted emission and enhanced quantum efficiency via $\pi$ -bridge elongation in carbazole-carborane dyads. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15719-15726.	1.3	41
68	Improving the electroluminescence performance of donor-acceptor molecules by fine-tuning the torsion angle and distance between donor and acceptor moieties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5988-5995.	2.7	22
69	Designing NHC-Copper(I) Dipyridylamine Complexes for Blue Light-Emitting Electrochemical Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14678-14691.	4.0	113
70	Photoluminescent Carbon Nanostructures. <i>Chemistry of Materials</i> , 2016, 28, 4085-4128.	3.2	186
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73	Superior upconversion fluorescence dopants for highly efficient deep-blue electroluminescent devices. <i>Chemical Science</i> , 2016, 7, 4044-4051.	3.7	76
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75	Dimesitylarylborane-based luminescent emitters exhibiting highly-efficient thermally activated delayed fluorescence for organic light-emitting diodes. <i>Organic Electronics</i> , 2016, 34, 208-217.	1.4	77
76	Tuning the singlet-triplet energy splitting by fluorination at 3,6 positions of the 1,4-bis(carbazoyl)benzene. <i>Dyes and Pigments</i> , 2016, 132, 1-6.	2.0	13

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78	Boosting reverse intersystem crossing by increasing donors in triarylboron/phenoxazine hybrids: TADF emitters for high-performance solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4402-4407.	2.7	136
79	Origin of a counterintuitive yellow light-emitting electrochemical cell based on a blue-emitting heteroleptic copper(II) complex. <i>Dalton Transactions</i> , 2016, 45, 8984-8993.	1.6	93
80	Efficient and Tunable Thermally Activated Delayed Fluorescence Emitters Having Orientation-Adjustable CN-Substituted Pyridine and Pyrimidine Acceptor Units. <i>Advanced Functional Materials</i> , 2016, 26, 7560-7571.	7.8	215
81	Bifunctional Heterocyclic Spiro Derivatives for Organic Optoelectronic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 24782-24792.	4.0	32
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85	Reduction of the singlet-triplet energy gap of a thermally activated delayed fluorescence emitter by molecular interaction between the host and the emitter. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10776-10780.	2.7	20
86	Managing Excitons and Charges for High-Performance Fluorescent White Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 28780-28788.	4.0	57
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96	Evolution of emission manners of organic light-emitting diodes: From emission of singlet exciton to emission of doublet exciton. <i>Chinese Chemical Letters</i> , 2016, 27, 1345-1349.	4.8	32
97	Theoretical predication for transition energies of thermally activated delayed fluorescence molecules. <i>Chinese Chemical Letters</i> , 2016, 27, 1445-1452.	4.8	37
98	Synthesis, aggregation-induced emission and electroluminescence properties of two new tetraphenylethene derivatives. <i>Tetrahedron Letters</i> , 2016, 57, 4428-4434.	0.7	14
99	Highly efficient blue-green neutral dinuclear copper(I) halide complexes containing bidentate phosphine ligands. <i>Journal of Luminescence</i> , 2016, 180, 64-72.	1.5	45
100	A solid state highly emissive Cu metallacycle: promotion of cuprophilic interactions at the excited states. <i>Chemical Communications</i> , 2016, 52, 11370-11373.	2.2	59
101	Supramolecular Structure-Dependent Thermally-Activated Delayed Fluorescence (TADF) Properties of Organic Polymorphs. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19759-19767.	1.5	60
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103	A phenothiazine/dimesitylborane hybrid material as a bipolar transport host of red phosphor. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9499-9508.	2.7	18
104	Quinacridone-based $\pi$ -conjugated electronic materials. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9918-9936.	2.7	62
105	Efficient modulation of optical and electrical properties of X-shaped thermally activated delayed fluorescence emitters by substitution. <i>Journal of Molecular Modeling</i> , 2016, 22, 173.	0.8	2
106	Pendant Homopolymer and Copolymers as Solution-Processable Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Diodes. <i>Macromolecules</i> , 2016, 49, 5452-5460.	2.2	145
107	Efficient deep-blue non-doped organic light-emitting diode with improved roll-off of efficiency based on hybrid local and charge-transfer excited state. <i>RSC Advances</i> , 2016, 6, 70085-70090.	1.7	44
108	Polysiloxanes for optoelectronic applications. <i>Progress in Materials Science</i> , 2016, 83, 383-416.	16.0	76
109	Multi-dipolar Chromophores Featuring Phosphine Oxide as Joint Acceptor: A New Strategy toward High-Efficiency Blue Thermally Activated Delayed Fluorescence Dyes. <i>Chemistry of Materials</i> , 2016, 28, 5667-5679.	3.2	131
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114	Structure-Property Relationships in Click-Derived Donor-Triazole-Acceptor Materials. <i>Chemistry - A European Journal</i> , 2016, 22, 18887-18898.	1.7	22
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116	Enhanced spin-orbit coupling driven by state mixing in organic molecules for OLED applications. <i>Organic Electronics</i> , 2016, 39, 311-317.	1.4	11
117	Optimizing the Intralayer and Interlayer Compatibility for High-Efficiency Blue Thermally Activated Delayed Fluorescence Diodes. <i>Scientific Reports</i> , 2016, 6, 19904.	1.6	18
118	Pure hydrocarbon host materials based on spirofluorene with excellent performances for green phosphorescent light-emitting devices. <i>New Journal of Chemistry</i> , 2016, 40, 9500-9506.	1.4	7
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121	Multiphosphine-Oxide Hosts for Ultralow-Voltage-Driven True-Blue Thermally Activated Delayed Fluorescence Diodes with External Quantum Efficiency beyond 20%. <i>Advanced Materials</i> , 2016, 28, 479-485.	11.1	151
122	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2016, 128, 3069-3073.	1.6	32
123	Triplet fusion delayed fluorescence materials for OLEDs. <i>Chinese Chemical Letters</i> , 2016, 27, 1223-1230.	4.8	37
124	Highly luminescent palladium( $\text{II}$ ) complexes with sub-millisecond blue to green phosphorescent excited states. Photocatalysis and highly efficient PSF-OLEDs. <i>Chemical Science</i> , 2016, 7, 6083-6098.	3.7	112
125	Thermally activated delayed fluorescence materials based on benzophenone derivative as emitter for efficient solution-processed non-doped green OLED. <i>Dyes and Pigments</i> , 2016, 133, 380-386.	2.0	44
126	Solution-processed OLEDs based on phosphorescent PtAu <sub>2</sub> complexes with phenothiazine-functionalized acetylides. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6096-6103.	2.7	39
127	Triarylborane $\pi$ -electron systems with intramolecular charge-transfer transitions. <i>Chinese Chemical Letters</i> , 2016, 27, 1131-1138.	4.8	37
128	High-efficiency phosphorescent organic light-emitting devices with low efficiency roll-off using a thermally activated delayed fluorescence material as host. <i>Organic Electronics</i> , 2016, 36, 185-191.	1.4	16
129	Theoretical Characterizations on Charge Transfer Excitations in Solution by Time-Dependent Density Functional Theory A Case Study. <i>Journal of the Chinese Chemical Society</i> , 2016, 63, 465-471.	0.8	4
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131	High-Performance Hybrid White Organic Light-Emitting Diodes with Superior Efficiency/Color Rendering Index/Color Stability and Low Efficiency Roll-Off Based on a Blue Thermally Activated Delayed Fluorescent Emitter. <i>Advanced Functional Materials</i> , 2016, 26, 3306-3313.	7.8	154
132	High-Efficiency Blue Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence from Phenoxaphosphine and Phenoxathiin Derivatives. <i>Advanced Materials</i> , 2016, 28, 4626-4631.	11.1	179
133	Dibenzo[ <i>a,j</i> ]phenazine-Cored Donor-Acceptor-Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie</i> , 2016, 128, 5833-5838.	1.6	70
134	Benzimidazobenzothiazole-Based Bipolar Hosts to Harvest Nearly All of the Excitons from Blue Delayed Fluorescence and Phosphorescent Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2016, 128, 6978-6982.	1.6	27
135	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3017-3021.	7.2	166
136	Dibenzo[ <i>a,j</i> ]phenazine-Cored Donor-Acceptor-Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5739-5744.	7.2	303
137	Iridium-Based High-Sensitivity Oxygen Sensors and Photosensitizers with Ultralong Triplet Lifetimes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3591-3600.	4.0	63
138	Extremely condensing triplet states of DPEPO-type hosts through constitutional isomerization for high-efficiency deep-blue thermally activated delayed fluorescence diodes. <i>Chemical Science</i> , 2016, 7, 2870-2882.	3.7	92
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973	A TADF Emitter Featuring Linearly Arranged Spiro-Donor and Spiro-Acceptor Groups: Efficient Nondoped and Doped Deep-Blue OLEDs with CIE $\leq 0.1$ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9598-9603.	7.2	106
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1008	Room-Temperature Observation for Reverse Intersystem Crossing in Exciplex-Based OLEDs with Balanced Charge Injection. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3034-3043.	2.0	16
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1013	Acridone-amine D-A-D thermally activated delayed fluorescence emitters with narrow resolved electroluminescence and their electrochromic properties. <i>Electrochimica Acta</i> , 2021, 384, 138347.	2.6	10
1014	High-Efficiency Nondoped White Organic Light-Emitting Diodes Based on All-Exciplex Emission. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100064.	0.8	2
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1019	Simple peripheral modification for color tuning of thermally activated delayed fluorescence emitters in OLEDs. <i>Dyes and Pigments</i> , 2021, 191, 109395.	2.0	7
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1026	Diarylfluorene-Based Organic Semiconductor Materials toward Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2105092.	7.8	21
1027	Fused-Nonacyclic Multi-Resonance Delayed Fluorescence Emitter Based on Ladder-Thiaborin Exhibiting Narrowband Sky-Blue Emission with Accelerated Reverse Intersystem Crossing. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20280-20285.	7.2	144
1028	High efficiency blue organic light-emitting diodes with below-bandgap electroluminescence. <i>Nature Communications</i> , 2021, 12, 4868.	5.8	62
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1031	Organic Persistent Luminescent Materials: Ultralong Room-Temperature Phosphorescence and Multicolor-Tunable Afterglow. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 41131-41139.	4.0	35
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1038	Stacked Ensemble Machine Learning for Range-Separation Parameters. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9516-9524.	2.1	9
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1041	Relief of excited-state antiaromaticity enables the smallest red emitter. <i>Nature Communications</i> , 2021, 12, 5409.	5.8	38
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1045	Wide-Range Color Tuning of Narrowband Emission in Multi-Resonance Organoboron Delayed Fluorescence Materials through Rational Imine/Amine Functionalization. <i>Angewandte Chemie</i> , 2021, 133, 23326-23331.	1.6	35
1046	Thermally Activated Delayed Fluorescence Enabled by Reversed Conformational Distortion for Blue Emitters. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9501-9507.	2.1	32
1047	Luminescent halogen clusters. <i>Cell Reports Physical Science</i> , 2022, 3, 100593.	2.8	11
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1049	High-Performance Solution-Processed Nondoped Circularly Polarized OLEDs with Chiral Triptycene Scaffold-Based TADF Emitters Realizing Over 20% External Quantum Efficiency. <i>Advanced Functional Materials</i> , 2021, 31, 2106418.	7.8	52
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1054	Realizing Record-High Electroluminescence Efficiency of 31.5% for Red Thermally Activated Delayed Fluorescence Molecules. <i>Angewandte Chemie</i> , 2021, 133, 23827-23832.	1.6	19
1055	Research Progress of Intramolecular $\pi$ -Stacked Small Molecules for Device Applications. <i>Advanced Materials</i> , 2022, 34, e2104125.	11.1	93
1056	Realizing Record-High Electroluminescence Efficiency of 31.5% for Red Thermally Activated Delayed Fluorescence Molecules. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23635-23640.	7.2	147
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1058	Achieving room temperature phosphorescence in aqueous phase through rigidifying the triplet state and information encryption. <i>Applied Surface Science</i> , 2021, 566, 150726.	3.1	18
1059	Emitting layer analysis of blue thermally activated delayed fluorescence devices using capacitance-voltage method. <i>Current Applied Physics</i> , 2021, 31, 46-51.	1.1	1
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1061	Multifunctional derivatives of pyrimidine-5-carbonitrile and differently substituted carbazoles for doping-free sky-blue OLEDs and luminescent sensors of oxygen. <i>Journal of Advanced Research</i> , 2021, 33, 41-51.	4.4	12

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1063	Novel aggregation-induced delayed fluorescence luminogens for vacuum-deposited and solution-processed OLEDs with very small efficiency roll-offs. <i>Organic Electronics</i> , 2021, 99, 106339.	1.4	4
1064	Visible-light excitable thermally activated delayed fluorescence in aqueous solution from F, N-doped carbon dots confined in silica nanoparticles. <i>Chemical Engineering Journal</i> , 2021, 426, 130728.	6.6	55
1065	On-off-switch between red thermally activated delayed fluorescence and conventional fluorescence by isomeric regulation. <i>Chemical Engineering Journal</i> , 2021, 425, 131510.	6.6	10
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1067	Achieving host-free near-ultraviolet electroluminescence via electronic state engineering with phosphine oxide. <i>Chemical Engineering Journal</i> , 2022, 429, 132327.	6.6	11
1068	Novel secondary acceptor based molecular design for superb lifetime in thermally activated delayed fluorescent organic light-emitting diodes through high bond energy and fast up-conversion. <i>Chemical Engineering Journal</i> , 2022, 427, 130988.	6.6	11
1069	A phosphorated spirobi[thioxanthene] host matrix enables high-efficiency simple white thermally activated delayed fluorescence diodes. <i>Chemical Engineering Journal</i> , 2022, 429, 132320.	6.6	8
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1075	Aggregation-induced delayed fluorescence luminogens: the innovation of purely organic emitters for aqueous electrochemiluminescence. <i>Chemical Science</i> , 2021, 12, 13283-13291.	3.7	47
1076	Combinatorial donor engineering for highly efficient blue thermally activated delayed fluorescence emitters with low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15276-15283.	2.7	2
1077	45Å: Approach for Attaining Short Exciton Lifetime in Thermally Activated Delayed Fluorescence Emitters. <i>Digest of Technical Papers SID International Symposium</i> , 2017, 48, 664-667.	0.1	4
1078	Through-space charge transfer blue polymers containing acridan donor and oxygen-bridged triphenylboron acceptor for highly efficient solution-processed organic light-emitting diodes. <i>Science China Chemistry</i> , 2020, 63, 1112-1120.	4.2	50
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1081	Kinetic Modeling of Transient Electroluminescence Reveals TTA as an Efficiency-Limiting Process in Exciplex-Based TADF OLEDs. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25667-25674.	1.5	31
1082	Boron-containing D <sup>π</sup> A type TADF materials with tiny singlet-triplet energy splittings and high photoluminescence quantum yields for highly efficient OLEDs with low efficiency roll-offs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3846-3854.	2.7	26
1083	Circularly polarized luminescence from AIEgens. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3284-3301.	2.7	141
1084	Twisted donor-acceptor molecules for efficient deep blue electroluminescence with CIE <sub>y</sub> ≈ 0.06. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9401-9409.	2.7	18
1085	Aggregation-state engineering and emission switching in D <sup>π</sup> A <sup>2</sup> AIEgens featuring dual emission, MCL and white electroluminescence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8061-8068.	2.7	25
1086	Stable and efficient blue and green organic light emitting diodes employing tetradentate Pt(II) complexes. <i>Applied Physics Letters</i> , 2020, 117, 253301.	1.5	13
1087	Recent progress of pyrimidine derivatives for high-performance organic light-emitting devices. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	0.8	70
1088	Optimizing energy transfer for highly efficient single-emissive-layer white thermally activated delayed fluorescence organic light-emitting diodes. <i>Optics Letters</i> , 2019, 44, 5727.	1.7	11
1089	A Quantum-Chemical Insight into the Role of Charge-Transfer States in Organic Emitters for Electroluminescence. <i>CCS Chemistry</i> , 2020, 2, 1256-1267.	4.6	18
1090	High-Efficiency Diphenylpyrimidine Derivatives Blue Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2020, 8, 356.	1.8	3
1091	Towards Highly Efficient TADF Yellow-Red OLEDs Fabricated by Solution Deposition Methods: Critical Influence of the Active Layer Morphology. <i>Nanomaterials</i> , 2020, 10, 101.	1.9	19
1092	Utilizing Electroplex Emission to Achieve External Quantum Efficiency up to 18.1% in Nondoped Blue OLED. <i>Research</i> , 2020, 2020, 8649102.	2.8	12
1093	Exciton engineering based on star-shaped blue thermally activated delayed fluorescence emitters for efficient white organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15221-15229.	2.7	3
1094	Sky-blue delayed fluorescence molecules based on pyridine-substituted acridone for efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15505-15510.	2.7	9
1095	Weaving host matrices with intermolecular hydrogen bonds for high-efficiency white thermally activated delayed fluorescence. <i>Chemical Science</i> , 2021, 12, 14519-14530.	3.7	8
1096	Modulation of OLED efficiency via a combination of aromatic electrophilic directing and intramolecular charge transfer. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15698-15706.	2.7	13
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1099	Novel V-Shaped Bipolar Host Materials for Solution-Processed Thermally Activated Delayed Fluorescence OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49076-49084.	4.0	21
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1247	Constructing Organic Electroluminescent Material with Very High Color Purity and Efficiency Based on Polycyclization of Multiple Resonance Parent Core. <i>Angewandte Chemie</i> , 0, , .	1.6	10
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1254	Increase the molecular length and donor strength to boost horizontal dipole orientation for high-efficiency OLEDs. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9241-9248.	2.7	3
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1256	Reverse intersystem crossing accelerating assistant dopant for high efficiency and long lifetime in red hyperfluorescence organic light-emitting diodes. <i>Chemical Engineering Journal</i> , 2022, 446, 137181.	6.6	10
1257	Efficient circularly polarized photoluminescence and electroluminescence of chiral spiro-skeleton based thermally activated delayed fluorescence molecules. <i>Science China Chemistry</i> , 2022, 65, 1347-1355.	4.2	23
1258	The optical spectra of DMAC-based molecules for organic light-emitting diodes: Hybrid-exchange density functional theory study. <i>Journal of Physical Organic Chemistry</i> , 2022, 35, .	0.9	2

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