

Cai-Jun Zheng

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	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
2	Management of Singlet and Triplet Excitons in a Single Emission Layer: A Simple Approach for a High-Efficiency Fluorescence/Phosphorescence Hybrid White Organic Light-Emitting Device. <i>Advanced Materials</i> , 2012, 24, 3410-3414.	11.1	232
3	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
4	Novel Efficient Blue Fluorophors with Small Singlet-Triplet Splitting: Hosts for Highly Efficient Fluorescence and Phosphorescence Hybrid WOLEDs with Simplified Structure. <i>Advanced Materials</i> , 2013, 25, 2205-2211.	11.1	206
5	Avoiding Energy Loss on TADF Emitters: Controlling the Dual Conformations of D-A Structure Molecules Based on the Pseudoplanar Segments. <i>Advanced Materials</i> , 2017, 29, 1701476.	11.1	199
6	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.	5.6	186
7	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.	7.8	181
8	Carbazole/Sulfone Hybrid D-A-Structured Bipolar Fluorophores for High-Efficiency Blue-Violet Electroluminescence. <i>Chemistry of Materials</i> , 2013, 25, 2630-2637.	3.2	180
9	Multifunctional electron-transporting indolizine derivatives for highly efficient blue fluorescence, orange phosphorescence host and two-color based white OLEDs. <i>Journal of Materials Chemistry</i> , 2012, 22, 4502.	6.7	172
10	Thermally Activated Delayed Fluorescence Carbonyl Derivatives for Organic Light-Emitting Diodes with Extremely Narrow Full Width at Half-Maximum. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13472-13480.	4.0	165
11	Intermolecular Charge-Transfer Transition Emitter Showing Thermally Activated Delayed Fluorescence for Efficient Non-Doped OLEDs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9480-9484.	7.2	128
12	Highly efficient non-doped deep-blue organic light-emitting diodes based on anthracene derivatives. <i>Journal of Materials Chemistry</i> , 2010, 20, 1560.	6.7	115
13	Novel Carbazol-Pyridine-Carbonitrile Derivative as Excellent Blue Thermally Activated Delayed Fluorescence Emitter for Highly Efficient Organic Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18930-18936.	4.0	111
14	Delayed Fluorescence Emitter Enables Near 17% Efficiency Ternary Organic Solar Cells with Enhanced Storage Stability and Reduced Recombination Energy Loss. <i>Advanced Functional Materials</i> , 2020, 30, 1909837.	7.8	108
15	New Ambipolar Hosts Based on Carbazole and 4,5-Diazafluorene Units for Highly Efficient Blue Phosphorescent OLEDs with Low Efficiency Roll-Off. <i>Chemistry of Materials</i> , 2012, 24, 643-650.	3.2	90
16	High Performance Exciplex-Based Fluorescence-Phosphorescence White Organic Light-Emitting Device with Highly Simplified Structure. <i>Chemistry of Materials</i> , 2015, 27, 5206-5211.	3.2	89
17	Control of Dual Conformations: Developing Thermally Activated Delayed Fluorescence Emitters for Highly Efficient Single-Emitter White Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31515-31525.	4.0	88
18	Thermally activated delayed fluorescence exciplex emitters for high-performance organic light-emitting diodes. <i>Materials Horizons</i> , 2021, 8, 401-425.	6.4	81

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19	Synthesis, Structure, and Photophysical Properties of Two Four-Coordinate Cu ^I –NHC Complexes with Efficient Delayed Fluorescence. <i>Inorganic Chemistry</i> , 2016, 55, 2157-2164.	1.9	70
20	Isomeric Thermally Activated Delayed Fluorescence Emitters for Color Purity-Improved Emission in Organic Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16791-16798.	4.0	69
21	Novel small-molecule electron donor for solution-processed ternary exciplex with 24% external quantum efficiency in organic light-emitting diode. <i>Materials Horizons</i> , 2019, 6, 1425-1432.	6.4	69
22	Novel Blue Fluorophor with High Triplet Energy Level for High Performance Single-Emitting-Layer Fluorescence and Phosphorescence Hybrid White Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2013, 25, 4454-4459.	3.2	67
23	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.	4.0	67
24	EQE Climbing Over 6% at High Brightness of 14350 cd/m ² in Deep-Blue OLEDs Based on Hybridized Local and Charge-Transfer Fluorescence. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9629-9637.	4.0	61
25	Hydrogen Bond Induced Green Solvent Processed High Performance Ternary Organic Solar Cells with Good Tolerance on Film Thickness and Blend Ratios. <i>Advanced Functional Materials</i> , 2019, 29, 1902078.	7.8	60
26	High Performance All Fluorescence White Organic Light Emitting Devices with a Highly Simplified Structure Based on Thermally Activated Delayed Fluorescence Dopants and Host. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32984-32991.	4.0	53
27	Efficient solution-processed blue and white OLEDs based on a high-triplet bipolar host and a blue TADF emitter. <i>Organic Electronics</i> , 2018, 58, 276-282.	1.4	53
28	Novel bipolar host materials based on 1,3,5-triazine derivatives for highly efficient phosphorescent OLEDs with extremely low efficiency roll-off. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14255.	1.3	52
29	Blue and white solution-processed TADF-OLEDs with over 20% EQE, low driving voltages and moderate efficiency decrease based on interfacial exciplex hosts. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11806-11812.	2.7	51
30	Hydrogen bond-modulated molecular packing and its applications in high-performance non-doped organic electroluminescence. <i>Materials Horizons</i> , 2020, 7, 2734-2740.	6.4	51
31	Using fluorene to lock electronically active moieties in thermally activated delayed fluorescence emitters for high-performance non-doped organic light-emitting diodes with suppressed roll-off. <i>Chemical Science</i> , 2021, 12, 1495-1502.	3.7	48
32	Aggregation-Induced Near-Infrared Absorption of Squaraine Dye in an Albumin Nanocomplex for Photoacoustic Tomography in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17985-17992.	4.0	47
33	Theoretical investigation of the singlet–triplet splittings for carbazole-based thermally activated delayed fluorescence emitters. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26623-26629.	1.3	47
34	A comparative study of carbazole-based thermally activated delayed fluorescence emitters with different steric hindrance. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4797-4803.	2.7	41
35	Multifunctional Phenanthroimidazole Derivatives to Realize High-Performance Deep-Blue and White Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2017, 5, 1700498.	3.6	41
36	White OLEDs with an EQE of 21% at 5000 cd m ⁻² and Ultra High Color Stability Based on Exciplex Host. <i>Advanced Optical Materials</i> , 2018, 6, 1800825.	3.6	39

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37	Tricomponent Exciplex Emitter Realizing over 20% External Quantum Efficiency in Organic Light-Emitting Diode with Multiple Reverse Intersystem Crossing Channels. <i>Advanced Science</i> , 2019, 6, 1801938.	5.6	39
38	Modulating the molecular packing and distribution enables fullerene-free ternary organic solar cells with high efficiency and long shelf-life. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20139-20150.	5.2	38
39	High-performance fluorescent/phosphorescent (F/P) hybrid white OLEDs consisting of a yellowish-green phosphorescent emitter. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5907-5913.	2.7	35
40	Hydrogen bond induced high performance ternary fullerene-free organic solar cells with increased current density and enhanced stability. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9691-9702.	2.7	35
41	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.	7.2	35
42	Efficient violet non-doped organic light-emitting device based on a pyrene derivative with novel molecular structure. <i>Organic Electronics</i> , 2015, 23, 179-185.	1.4	34
43	Multifunctional terpyridine/diphenylamine derivatives as highly efficient blue fluorescent emitters and red phosphorescent hosts. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1068-1076.	2.7	34
44	High performance opaque and semi-transparent organic solar cells with good tolerance to film thickness realized by a unique solid additive. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7437-7450.	5.2	34
45	Layer-by-Layer Solution Processing Method for Organic Solar Cells. <i>Solar Rrl</i> , 2021, 5, .	3.1	34
46	High efficiency non-doped deep-blue and fluorescent/phosphorescent white organic light-emitting diodes based on an anthracene derivative. <i>Synthetic Metals</i> , 2015, 203, 49-53.	2.1	33
47	Ternary Organic Solar Cells with Coumarin7 as the Donor Exhibiting Greater Than 10% Power Conversion Efficiency and a High Fill Factor of 75%. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29907-29916.	4.0	32
48	A high-efficiency hybrid white organic light-emitting diode enabled by a new blue fluorophor. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4283-4289.	2.7	31
49	Photomemory and Pulse Monitoring Featured Solution-Processed Near-Infrared Graphene/Organic Phototransistor with Detectivity of 2.4×10^{13} Jones. <i>Advanced Functional Materials</i> , 2021, 31, 2103988.	7.8	31
50	Excimer emission induced intra-system self-absorption enhancement " a novel strategy to realize high efficiency and excellent stability ternary organic solar cells processed in green solvents. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23840-23855.	5.2	30
51	Centimeter-Long Single-Crystalline Si Nanowires. <i>Nano Letters</i> , 2017, 17, 7323-7329.	4.5	29
52	Efficient solution-processed orange-red organic light-emitting diodes based on a novel thermally activated delayed fluorescence emitter. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9152-9157.	2.7	29
53	Efficient, color-stable and high color-rendering-index white organic light-emitting diodes employing full thermally activated delayed fluorescence system. <i>Organic Electronics</i> , 2017, 50, 466-472.	1.4	28
54	Efficient solution-processed red organic light-emitting diode based on an electron-donating building block of pyrrolo[3,2-b]pyrrole. <i>Organic Electronics</i> , 2019, 65, 110-115.	1.4	28

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55	Hydrogen bond induced high-performance quaternary organic solar cells with efficiency up to 17.48% and superior thermal stability. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3850-3858.	3.2	28
56	Non-blinking, highly luminescent, pH- and heavy-metal-ion-stable organic nanodots for bio-imaging. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3144.	2.9	26
57	Optimization on Molecular Restriction for Highly Efficient Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , 2018, 6, 1800935.	3.6	26
58	Hydrogen-Bond-Induced High Performance Semitransparent Ternary Organic Solar Cells with 14% Efficiency and Enhanced Stability. <i>Advanced Optical Materials</i> , 2021, 9, 2100064.	3.6	26
59	Highly efficient green and red OLEDs based on a new exciplex system with simple structures. <i>Organic Electronics</i> , 2017, 43, 136-141.	1.4	25
60	Bromine-substituted triphenylamine derivatives with improved hole-mobility for highly efficient green phosphorescent OLEDs with a low operating voltage. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10301-10308.	2.7	24
61	Hydrogen-Bond-Assisted Exciplex Emitters Realizing Improved Efficiencies and Stabilities in Organic Light Emitting Diodes. <i>Advanced Functional Materials</i> , 2021, 31, 2010100.	7.8	23
62	Hydrogen-Bonding Strategy to Optimize Charge Distribution of PC ₇₁ BM and Enable a High Efficiency of 12.45% for Organic Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1800038.	3.1	22
63	Highly efficient ternary polymer-based solution-processable exciplex with over 20% external quantum efficiency in organic light-emitting diode. <i>Organic Electronics</i> , 2020, 76, 105449.	1.4	22
64	A novel nicotinonitrile derivative as an excellent multifunctional blue fluorophore for highly efficient hybrid white organic light-emitting devices. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8817-8823.	2.7	21
65	High-performance red organic light-emitting devices based on an exciplex system with thermally activated delayed fluorescence characteristic. <i>Organic Electronics</i> , 2016, 39, 10-15.	1.4	21
66	Development of Red Exciplex for Efficient OLEDs by Employing a Phosphor as a Component. <i>Frontiers in Chemistry</i> , 2019, 7, 16.	1.8	21
67	Ternary System with Intermolecular Hydrogen Bond: Efficient Strategy to High-Performance Nonfullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15598-15606.	4.0	21
68	A novel orange-red thermally activated delayed fluorescence emitter with high molecular rigidity and planarity realizing 32.5% external quantum efficiency in organic light-emitting diodes. <i>Materials Horizons</i> , 2022, 9, 2425-2432.	6.4	21
69	Improving Efficiency of Red Thermally Activated Delayed Fluorescence Emitter by Introducing Quasi-Degenerate Orbital Distribution. <i>Chinese Journal of Chemistry</i> , 2022, 40, 911-917.	2.6	20
70	Additive-Induced Vertical Component Distribution Enables High-Performance Sequentially Cast Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25842-25850.	4.0	20
71	Fullerene's ring: A new strategy to improve the performance of fullerene organic solar cells. <i>Organic Electronics</i> , 2020, 83, 105747.	1.4	19
72	Intermolecular Charge-Transfer Transition Emitter Showing Thermally Activated Delayed Fluorescence for Efficient Non-Doped OLEDs. <i>Angewandte Chemie</i> , 2018, 130, 9624-9628.	1.6	17

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73	Excellent deep-blue emitting materials based on anthracene derivatives for non-doped organic light-emitting diodes. <i>Optical Materials</i> , 2016, 58, 260-267.	1.7	16
74	A reticuloendothelial system-stealthy dye-albumin nanocomplex as a highly biocompatible and highly luminescent nanoprobe for targeted in vivo tumor imaging. <i>RSC Advances</i> , 2014, 4, 6120.	1.7	15
75	Ternary organic solar cells with a phase-modulated surface distribution via the addition of a small molecular luminescent dye to obtain a high efficiency over 10.5%. <i>Nanoscale</i> , 2018, 10, 16455-16467.	2.8	15
76	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.	2.7	15
77	6,12-Dihydro-6,12-diboradibenzo[def,mno]chrysene: A Doubly Boron-Doped Polycyclic Aromatic Hydrocarbon for Organic Light Emitting Diodes by a One-Pot Synthesis. <i>Organic Letters</i> , 2020, 22, 7942-7946.	2.4	15
78	Non-fullerene acceptor alloy strategy enabling stable ternary polymer solar cells with efficiency of 17.74%. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3207-3216.	2.7	15
79	Efficient non-doped deep-blue electroluminescence devices based on unsymmetrical and highly twisted pyrene derivatives. <i>New Journal of Chemistry</i> , 2017, 41, 14152-14160.	1.4	14
80	Thermally activated delayed fluorescence emitters with low concentration sensitivity for highly efficient organic light emitting devices. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8923-8928.	2.7	14
81	Delayed fluorescence material-assisted high performance ternary organic solar cells realized by prolonged exciton lifetime and diffusion length. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17429-17439.	2.7	14
82	High-Efficiency Sequential-Cast Organic Solar Cells Enabled by Dual Solvent-Controlled Polymer Aggregation. <i>Solar Rrl</i> , 2022, 6, .	3.1	14
83	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.	1.4	13
84	Green solution-processed thermally activated delayed fluorescence OLEDs with improved performance by using interfacial exciplex host. <i>Organic Electronics</i> , 2019, 73, 36-42.	1.4	13
85	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.	4.0	13
86	Single-Crystalline Silicon Frameworks: A New Platform for Transparent Flexible Optoelectronics. <i>Advanced Materials</i> , 2021, 33, e2008171.	11.1	13
87	Highly efficient solution-processed small-molecule white organic light-emitting diodes. <i>Organic Electronics</i> , 2016, 38, 344-349.	1.4	12
88	π-π stacking induced high current density and improved efficiency in ternary organic solar cells. <i>Nanoscale</i> , 2018, 10, 9971-9980.	2.8	12
89	Multiplying the efficiency of red thermally activated delayed fluorescence emitter by introducing intramolecular hydrogen bond. <i>Chemical Engineering Journal</i> , 2022, 448, 137717.	6.6	12
90	Efficient Exciplex-Based Green and Near-Infrared Organic Light-Emitting Diodes Employing a Novel Donor-Acceptor Type Donor. <i>Chemistry - an Asian Journal</i> , 2020, 15, 4093-4097.	1.7	10

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91	Chiral thermally activated delayed fluorescence emitters with dual conformations based on a pair of enantiomeric donors containing asymmetric carbons. <i>Dyes and Pigments</i> , 2020, 178, 108336.	2.0	10
92	Improving the efficiency of exciplex based OLEDs by controlling the different configurations of the donor. <i>Journal of Materials Chemistry C</i> , 2021, 9, 600-608.	2.7	10
93	Ternary organic solar cells with enhanced charge transfer and stability combining the advantages of polymer acceptors and fullerene acceptors. <i>Organic Electronics</i> , 2022, 104, 106471.	1.4	10
94	Introducing Trifluoromethyl to Strengthen Hydrogen Bond for High Efficiency Organic Solar Cells. <i>Frontiers in Chemistry</i> , 2020, 8, 190.	1.8	9
95	High-performance organic upconversion device with 12% photon to photon conversion efficiency at 980 nm and bio-imaging application in near-infrared region. <i>Optics Express</i> , 2022, 30, 16644.	1.7	9
96	Efficient and stable non-doped deep-blue organic light emitting diode based on an anthracene derivative. <i>Science China Chemistry</i> , 2011, 54, 666-670.	4.2	8
97	Optical absorption and photoelectrochemical performance enhancement in Si tube array for solar energy harvesting application. <i>Applied Physics Letters</i> , 2013, 102, 163906.	1.5	8
98	Novel brominated compounds using in binary additives based organic solar cells to achieve high efficiency over 10.3%. <i>Organic Electronics</i> , 2017, 50, 507-514.	1.4	8
99	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.	1.8	8
100	An universal morphology regulator for efficient and stable nonfullerene organic solar cells by π - π interaction. <i>Organic Electronics</i> , 2020, 86, 105827.	1.4	8
101	Novel triazine derivatives with deep LUMO energy levels as the electron-accepting components of exciplexes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 939-946.	2.7	8
102	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</i> , 2021, 133, 26082-26087.	1.6	8
103	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.	2.0	7
104	Tailoring electronic structure of organic host for high-performance phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2014, 15, 2763-2768.	1.4	6
105	Non-ionic surfactant-novel agents to realize high efficiency non-fullerene opaque and semitransparent organic solar cells with Enhanced Stability. <i>Organic Electronics</i> , 2018, 62, 195-202.	1.4	5
106	Novel donor-spacer-acceptor compound as the multifunctional component of exciplexes for efficient organic light-emitting diodes. <i>Science China Materials</i> , 2022, 65, 460-468.	3.5	5
107	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.	1.4	4
108	Improving performance of thermally activated delayed fluorescence emitter by extending its LUMO distribution. <i>Science China Materials</i> , 2019, 62, 719-728.	3.5	4

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109	Improving the performance of solution-processed small molecule OLEDs via micro-aggregation formed by an alcohol additive incorporation. <i>Organic Electronics</i> , 2019, 64, 252-258.	1.4	4
110	Forcing dimethylacridine crooking to improve the efficiency of orange-red thermally activated delayed fluorescent emitters. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10416-10421.	2.7	4
111	A New Multifunctional Triazine- π -Carbazole Compound with High Triplet Energy for High-Performance Blue Fluorescence, Green and Red Phosphorescent Host, and Hybrid White Organic Light-Emitting Diodes. <i>Israel Journal of Chemistry</i> , 2014, 54, 952-957.	1.0	3
112	Efficient and stable single-emitting-layer white organic light-emitting diodes by employing all thermally activated delayed fluorescence emitters. <i>Organic Electronics</i> , 2022, 101, 106415.	1.4	3
113	Hydrogen-bond-induced cathode engineering interface achieving high-efficiency organic solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6358-6364.	2.7	3
114	White OLEDs: Management of Singlet and Triplet Excitons in a Single Emission Layer: A Simple Approach for a High-Efficiency Fluorescence/Phosphorescence Hybrid White Organic Light-Emitting Device (Adv. Tj ETQq0.0.0 rgBT/Overlock	11.0	2
115	Quantum chemical calculation study on terphenyl arylamines hole transport materials. <i>Journal of the Society for Information Display</i> , 2015, 23, 182-185.	0.8	2
116	Energy Transfer: Nearly 100% Triplet Harvesting in Conventional Fluorescent Dopant-Based Organic Light-Emitting Devices Through Energy Transfer from Exciplex (Adv. Mater. 12/2015). <i>Advanced Materials</i> , 2015, 27, 2024-2024.	11.1	2
117	OLEDs: Novel Strategy to Develop Exciplex Emitters for High-Performance OLEDs by Employing Thermally Activated Delayed Fluorescence Materials (Adv. Funct. Mater. 12/2016). <i>Advanced Functional Materials</i> , 2016, 26, 2036-2036.	7.8	2
118	Pyrene-Imidazole Based Aggregation Modifier Leads to Enhancement in Efficiency and Environmental Stability for Ternary Organic Solar Cells. <i>Frontiers in Chemistry</i> , 2018, 6, 578.	1.8	2
119	Reducing efficiency roll-off of phosphorescent organic light emitting diodes by using phosphor assisted energy funneling. <i>Organic Electronics</i> , 2020, 87, 105985.	1.4	2
120	New electron-donating segment to develop thermally activated delayed fluorescence emitters for efficient solution-processed non-doped organic light-emitting diodes. <i>Chinese Chemical Letters</i> , 2022, 33, 1110-1115.	4.8	2
121	Thermally activated delayed fluorescence exciplexes in organic light-emitting diodes. , 2022, , 353-426.		2
122	Achieving efficient and stable organic solar cells by using polyethylene glycol to modulate the crystallization and distribution of the active layer. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 065502.	1.3	1
123	Novel D-A structure thermally activated delayed fluorescence emitters realizing over 20% external quantum efficiencies in both evaporation- and solution-processed organic light-emitting diodes. <i>Organic Electronics</i> , 2021, 99, 106312.	1.4	1
124	Blocking Energy-Loss Pathways for Efficient All-Fluorescent Solution-processed Organic Light-emitting Diodes by Introducing Polymer Additive. <i>Journal of Physics: Conference Series</i> , 2022, 2174, 012030.	0.3	1
125	Exciplex Emitters: Prediction and Design of Efficient Exciplex Emitters for High-Efficiency, Thermally Activated Delayed-Fluorescence Organic Light-Emitting Diodes (Adv. Mater. 14/2015). <i>Advanced Materials</i> , 2015, 27, 2377-2377.	11.1	0