

Shi-Jian Su

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184
papers

15,390
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122
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192
ext. papers

17,073
ext. citations

9.1
avg, IF

6.77
L-index

#	Paper	IF	Citations
184	Enhanced power-conversion efficiency in polymer solar cells using an inverted device structure. <i>Nature Photonics</i> , 2012 , 6, 591-595	33.9	3384
183	Simultaneous enhancement of open-circuit voltage, short-circuit current density, and fill factor in polymer solar cells. <i>Advanced Materials</i> , 2011 , 23, 4636-43	24	1860
182	Pyridine-Containing Triphenylbenzene Derivatives with High Electron Mobility for Highly Efficient Phosphorescent OLEDs. <i>Advanced Materials</i> , 2008 , 20, 2125-2130	24	538
181	Pyridine-Containing Bipolar Host Materials for Highly Efficient Blue Phosphorescent OLEDs. <i>Chemistry of Materials</i> , 2008 , 20, 1691-1693	9.6	461
180	Ultra High Efficiency Green Organic Light-Emitting Devices. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, L10-L12	1.4	324
179	Marching Toward Highly Efficient, Pure-Blue, and Stable Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2018 , 28, 1802558	15.6	323
178	Nearly 100% Internal Quantum Efficiency in an Organic Blue-Light Electrophosphorescent Device Using a Weak Electron Transporting Material with a Wide Energy Gap. <i>Advanced Materials</i> , 2009 , 21, 12714-12743 ²²	24	1274
177	Achieving High-Performance Nondoped OLEDs with Extremely Small Efficiency Roll-Off by Combining Aggregation-Induced Emission and Thermally Activated Delayed Fluorescence. <i>Advanced Functional Materials</i> , 2017 , 27, 1606458	15.6	319
176	Achieving a Significantly Increased Efficiency in Nondoped Pure Blue Fluorescent OLED: A Quasi-Equivalent Hybridized Excited State. <i>Advanced Functional Materials</i> , 2015 , 25, 1755-1762	15.6	304
175	Evaporation- and Solution-Process-Feasible Highly Efficient Thianthrene-9,9',10,10'-Tetraoxide-Based Thermally Activated Delayed Fluorescence Emitters with Reduced Efficiency Roll-Off. <i>Advanced Materials</i> , 2016 , 28, 181-7	24	253
174	Highly Efficient Nondoped OLEDs with Negligible Efficiency Roll-Off Fabricated from Aggregation-Induced Delayed Fluorescence Luminogens. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12971-12976	16.4	239
173	RGB Phosphorescent Organic Light-Emitting Diodes by Using Host Materials with Heterocyclic Cores: Effect of Nitrogen Atom Orientations. <i>Chemistry of Materials</i> , 2011 , 23, 274-284	9.6	223
172	Wide-Energy-Gap Electron-Transport Materials Containing 3,5-Dipyridylphenyl Moieties for an Ultra High Efficiency Blue Organic Light-Emitting Device. <i>Chemistry of Materials</i> , 2008 , 20, 5951-5953	9.6	222
171	Solution-processed bulk heterojunction solar cells based on a porphyrin small molecule with 7% power conversion efficiency. <i>Energy and Environmental Science</i> , 2014 , 7, 1397-1401	35.4	184
170	"Rate-limited effect" of reverse intersystem crossing process: the key for tuning thermally activated delayed fluorescence lifetime and efficiency roll-off of organic light emitting diodes. <i>Chemical Science</i> , 2016 , 7, 4264-4275	9.4	178
169	Robust Luminescent Materials with Prominent Aggregation-Induced Emission and Thermally Activated Delayed Fluorescence for High-Performance Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2017 , 29, 3623-3631	9.6	176
168	Structure-Property Relationship of Pyridine-Containing Triphenyl Benzene Electron-Transport Materials for Highly Efficient Blue Phosphorescent OLEDs. <i>Advanced Functional Materials</i> , 2009 , 19, 1260-1267 ¹⁷⁴	15.6	174

167	High-Performance Color-Tunable Perovskite Light Emitting Devices through Structural Modulation from Bulk to Layered Film. <i>Advanced Materials</i> , 2017 , 29, 1603157	24	172
166	Highly Efficient Blue Fluorescent OLEDs Based on Upper Level Triplet-Singlet Intersystem Crossing. <i>Advanced Materials</i> , 2019 , 31, e1807388	24	168
165	Tuning energy levels of electron-transport materials by nitrogen orientation for electrophosphorescent devices with an 'ideal' operating voltage. <i>Advanced Materials</i> , 2010 , 22, 3311-6	24	154
164	Design Strategy of Blue and Yellow Thermally Activated Delayed Fluorescence Emitters and Their All-Fluorescence White OLEDs with External Quantum Efficiency beyond 20%. <i>Advanced Functional Materials</i> , 2016 , 26, 6904-6912	15.6	138
163	Nitrogen heterocycle-containing materials for highly efficient phosphorescent OLEDs with low operating voltage. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9565-9578	7.1	129
162	Tri-Spiral Donor for High Efficiency and Versatile Blue Thermally Activated Delayed Fluorescence Materials. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11301-11305	16.4	128
161	Singlet-Triplet Splitting Energy Management via Acceptor Substitution: Complanation Molecular Design for Deep-Blue Thermally Activated Delayed Fluorescence Emitters and Organic Light-Emitting Diodes Application. <i>Advanced Functional Materials</i> , 2016 , 26, 8042-8052	15.6	126
160	Tetraphenylfuran: aggregation-induced emission or aggregation-caused quenching?. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1125-1129	7.8	123
159	Horizontally Orientated Sticklike Emitters: Enhancement of Intrinsic Out-Coupling Factor and Electroluminescence Performance. <i>Chemistry of Materials</i> , 2017 , 29, 8630-8636	9.6	119
158	A series of new medium-bandgap conjugated polymers based on naphtho[1,2-c:5,6-c']bis(2-octyl-[1,2,3]triazole) for high-performance polymer solar cells. <i>Advanced Materials</i> , 2013 , 25, 3683-8	24	118
157	2-Phenylpyrimidine skeleton-based electron-transport materials for extremely efficient green organic light-emitting devices. <i>Chemical Communications</i> , 2008 , 5821-3	5.8	117
156	Novel four-pyridylbenzene-armed biphenyls as electron-transport materials for phosphorescent OLEDs. <i>Organic Letters</i> , 2008 , 10, 941-4	6.2	115
155	Highly Efficient Organic Blue-and White-Light-Emitting Devices Having a Carrier- and Exciton-Confining Structure for Reduced Efficiency Roll-Off. <i>Advanced Materials</i> , 2008 , 20, NA-NA	24	114
154	Novel "hot exciton" blue fluorophores for high performance fluorescent/phosphorescent hybrid white organic light-emitting diodes with superhigh phosphorescent dopant concentration and improved efficiency roll-off. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7869-77	9.5	106
153	Pyridine-Containing Electron-Transport Materials for Highly Efficient Blue Phosphorescent OLEDs with Ultralow Operating Voltage and Reduced Efficiency Roll-Off. <i>Advanced Functional Materials</i> , 2014 , 24, 3268-3275	15.6	106
152	Fluorescent Organic Planar pn Heterojunction Light-Emitting Diodes with Simplified Structure, Extremely Low Driving Voltage, and High Efficiency. <i>Advanced Materials</i> , 2016 , 28, 239-44	24	104
151	High-Efficiency WOLEDs with High Color-Rendering Index based on a Chromaticity-Adjustable Yellow Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Materials</i> , 2016 , 28, 4614-9	24	103
150	Blue thermally activated delayed fluorescence materials based on bis(phenylsulfonyl)benzene derivatives. <i>Chemical Communications</i> , 2015 , 51, 16353-6	5.8	97

149	Highly Efficient Nondoped Green Organic Light-Emitting Diodes with Combination of High Photoluminescence and High Exciton Utilization. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3041-9 ^{9.5}	9.5	96
148	Highly Efficient Spiro[fluorene-9,9'-thioxanthene] Core Derived Blue Emitters and Fluorescent/Phosphorescent Hybrid White Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2015 , 27, 1100-1109	9.6	94
147	Perovskite Light-Emitting Diodes with EQE Exceeding 28% through a Synergetic Dual-Additive Strategy for Defect Passivation and Nanostructure Regulation. <i>Advanced Materials</i> , 2021 , 33, e2103268	24	94
146	Investigation of a Conjugated Polyelectrolyte Interlayer for Inverted Polymer:Fullerene Solar Cells. <i>Advanced Energy Materials</i> , 2013 , 3, 718-723	21.8	87
145	Three-carbazole-armed host materials with various cores for RGB phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3447		85
144	Study of Configuration Differentia and Highly Efficient, Deep-Blue, Organic Light-Emitting Diodes Based on Novel Naphtho[1,2-d]imidazole Derivatives. <i>Advanced Functional Materials</i> , 2015 , 25, 5190-5198 ^{15.6}	15.6	81
143	Trade-Off Hidden in Condensed State Solvation: Multiradiative Channels Design for Highly Efficient Solution-Processed Purely Organic Electroluminescence at High Brightness. <i>Advanced Functional Materials</i> , 2018 , 28, 1704927	15.6	79
142	High-efficiency red, green and blue phosphorescent homojunction organic light-emitting diodes based on bipolar host materials. <i>Organic Electronics</i> , 2011 , 12, 843-850	3.5	78
141	Adamantane-Substituted Acridine Donor for Blue Dual Fluorescence and Efficient Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 582-586	16.4	78
140	Structure-Performance Investigation of Thioxanthone Derivatives for Developing Color Tunable Highly Efficient Thermally Activated Delayed Fluorescence Emitters. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8627-36	9.5	70
139	Modulation of Exciton Generation in Organic Active Planar pn Heterojunction: Toward Low Driving Voltage and High-Efficiency OLEDs Employing Conventional and Thermally Activated Delayed Fluorescent Emitters. <i>Advanced Materials</i> , 2016 , 28, 6758-65	24	68
138	Utilizing a Spiro TADF Moiety as a Functional Electron Donor in TADF Molecular Design toward Efficient Multichannel Reverse Intersystem Crossing. <i>Advanced Functional Materials</i> , 2019 , 29, 1808088	15.6	63
137	Recombination Dynamics Study on Nanostructured Perovskite Light-Emitting Devices. <i>Advanced Materials</i> , 2018 , 30, e1801370	24	60
136	Dinuclear platinum complexes containing aryl-isoquinoline and oxadiazole-thiol with an efficiency of over 8.8%: in-depth investigation of the relationship between their molecular structure and near-infrared electroluminescent properties in PLEDs. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6007-6015	7.1	59
135	Novel efficient blue and bluish-green light-emitting polymers with delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2690-2695	7.1	57
134	Achieving Efficient Triplet Exciton Utilization with Large Φ and Nonobvious Delayed Fluorescence by Adjusting Excited State Energy Levels. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4725-4731	6.4	52
133	A host material with a small singlet-triplet exchange energy for phosphorescent organic light-emitting diodes: Guest, host, and exciplex emission. <i>Organic Electronics</i> , 2012 , 13, 1937-1947	3.5	51
132	Heavy Atom Effect of Bromine Significantly Enhances Exciton Utilization of Delayed Fluorescence Luminogens. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17327-17334	9.5	50

131	design of D-πA molecules as universal hosts for monochrome and white phosphorescent organic light-emitting diodes. <i>Chemical Science</i> , 2018 , 9, 4062-4070	9.4	49
130	Efficient Near-Infrared (NIR) Organic Light-Emitting Diodes Based on Donor-Acceptor Architecture: An Improved Emissive State from Mixing to Hybridization. <i>Advanced Optical Materials</i> , 2017 , 5, 1700441	8.1	48
129	An ideal universal host for highly efficient full-color, white phosphorescent and TADF OLEDs with a simple and unified structure. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10406-10416	7.1	47
128	Polarity-Tunable Host Materials and Their Applications in Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27920-27930	8.5	47
127	Deep blue fluorophores incorporating sulfone-locked triphenylamine: the key for highly efficient fluorescence-phosphorescence hybrid white OLEDs with simplified structure. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6986-6996	7.1	44
126	Twist Angle and Rotation Freedom Effects on Luminescent Donor-Acceptor Materials: Crystal Structures, Photophysical Properties, and OLED Application. <i>Advanced Optical Materials</i> , 2016 , 4, 2109-2118	8.1	44
125	Purely Organic Crystals Exhibit Bright Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13522-13531	16.4	43
124	Highly efficient thermally activated delayed fluorescence materials with reduced efficiency roll-off and low on-set voltages. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 2039-2046	7.8	41
123	Hybrid Heterocycle-Containing Electron-Transport Materials Synthesized by Regioselective Suzuki Cross-Coupling Reactions for Highly Efficient Phosphorescent OLEDs with Unprecedented Low Operating Voltage. <i>Chemistry of Materials</i> , 2012 , 24, 3817-3827	9.6	41
122	Novel cathode interlayers based on neutral alcohol-soluble small molecules with a triphenylamine core featuring polar phosphonate side chains for high-performance polymer light-emitting and photovoltaic devices. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 595-603	4.8	41
121	Efficient exciplex organic light-emitting diodes with a bipolar acceptor. <i>Organic Electronics</i> , 2015 , 25, 79-84	3.5	40
120	Highly efficient single- and multi-emission-layer fluorescent/phosphorescent hybrid white organic light-emitting diodes with ~20% external quantum efficiency. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9233-9239	7.1	40
119	Near-infrared emitting pyrazole-bridged binuclear platinum complexes: Synthesis, photophysical and electroluminescent properties in PLEDs. <i>Dyes and Pigments</i> , 2016 , 128, 68-74	4.6	40
118	Exciton-Adjustable Interlayers for High Efficiency, Low Efficiency Roll-Off, and Lifetime Improved Warm White Organic Light-Emitting Diodes (WOLEDs) Based on a Delayed Fluorescence Assistant Host. <i>Advanced Functional Materials</i> , 2018 , 28, 1706922	15.6	39
117	Optically Active Polyaniline Derivatives Prepared by Electron Acceptor in Organic System: Chiroptical Properties. <i>Macromolecules</i> , 2001 , 34, 7249-7256	5.5	39
116	Efficient solution-processed red all-fluorescent organic light-emitting diodes employing thermally activated delayed fluorescence materials as assistant hosts: molecular design strategy and exciton dynamic analysis. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5223-5231	7.1	37
115	Highly Emissive Dinuclear Platinum(III) Complexes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7469-7479	16.4	36
114	Impact of the electron-transport layer on the performance of solution-processed small-molecule organic solar cells. <i>ChemSusChem</i> , 2014 , 7, 2358-64	8.3	35

113	Pyridinium salt-based molecules as cathode interlayers for enhanced performance in polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3387	13	35
112	Rh(III)-catalyzed relay carbenoid functionalization of aromatic C-H bonds: access to π -conjugated fused heteroarenes. <i>Chemical Communications</i> , 2016 , 52, 5856-9	5.8	35
111	Near-infrared emission from binuclear platinum (II) complexes containing pyrenylpyridine and pyridylthiolate units: Synthesis, photo-physical and electroluminescent properties. <i>Dyes and Pigments</i> , 2017 , 138, 162-168	4.6	32
110	9,9-Diphenyl-thioxanthene derivatives as host materials for highly efficient blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9999-10006	7.1	32
109	Spiral Donor Design Strategy for Blue Thermally Activated Delayed Fluorescence Emitters. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5302-5311	9.5	32
108	Modulation of aggregation-induced emission and electroluminescence of silole derivatives by a covalent bonding pattern. <i>Chemistry - A European Journal</i> , 2015 , 21, 8137-47	4.8	31
107	Highly-efficient hybrid white organic light-emitting diodes based on a high radiative exciton ratio deep-blue emitter with improved concentration of phosphorescent dopant. <i>RSC Advances</i> , 2015 , 5, 32298-32306	3.7	31
106	Indacenodithiophene core-based small molecules with tunable side chains for solution-processed bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4004	13	30
105	Achieving Enhanced Thermally Activated Delayed Fluorescence Rates and Shortened Exciton Lifetimes by Constructing Intramolecular Hydrogen Bonding Channels. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45999-46007	9.5	29
104	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	9.5	29
103	Benzotriazole-containing donor-acceptor-acceptor type cyclometalated iridium(III) complex for solution-processed near-infrared polymer light emitting diodes. <i>Dyes and Pigments</i> , 2016 , 131, 231-238	4.6	29
102	Structure-simplified and highly efficient deep blue organic light-emitting diodes with reduced efficiency roll-off at extremely high luminance. <i>Chemical Communications</i> , 2016 , 52, 14454-14457	5.8	28
101	Template synthesis of polyaniline in the presence of phosphomannan. <i>Synthetic Metals</i> , 2002 , 129, 173-178	13.8	28
100	Dinuclear platinum(II) complex dominated by a zig-zag-type cyclometalated ligand: a new approach to realize high-efficiency near infrared emission. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5769-5777	7.1	27
99	Reversible switching between normal and thermally activated delayed fluorescence towards smart and single compound white-light luminescence via controllable conformational distribution. <i>Science China Chemistry</i> , 2018 , 61, 677-686	7.9	27
98	Helix Inversion of Polyaniline by Introducing o-Toluidine Units. <i>Macromolecules</i> , 2002 , 35, 5752-5757	5.5	27
97	J-Aggregation Enhances the Electroluminescence Performance of a Sky-Blue Thermally Activated Delayed-Fluorescence Emitter in Nondoped Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2717-2723	9.5	27
96	Predicting Operational Stability for Organic Light-Emitting Diodes with Exciplex Cohosts. <i>Advanced Science</i> , 2019 , 6, 1802246	13.6	27

95	Incorporation of rubidium cations into blue perovskite quantum dot light-emitting diodes via FABr-modified multi-cation hot-injection method. <i>Nanoscale</i> , 2019 , 11, 1295-1303	7.7	26
94	Achieving high-efficiency purely organic room-temperature phosphorescence materials by boronic ester substitution of phenoxathiine. <i>Chemical Communications</i> , 2019 , 55, 7215-7218	5.8	26
93	Co-Interlayer Engineering toward Efficient Green Quasi-Two-Dimensional Perovskite Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2020 , 30, 1910167	15.6	26
92	An Effective Strategy toward High-Efficiency Fluorescent OLEDs by Radiative Coupling of Spatially Separated Electron-Hole Pairs. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800025	4.6	26
91	Iridium(III) phosphors with rigid fused-heterocyclic chelating architectures for efficient deep-red/near-infrared emissions in polymer light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10961-10971	7.1	26
90	Efficient near-infrared emission based on donor-acceptor molecular architecture: The role of ancillary acceptor of cyanophenyl. <i>Dyes and Pigments</i> , 2018 , 149, 430-436	4.6	25
89	One-step synthesis of cyclic compounds towards easy room-temperature phosphorescence and deep blue thermally activated delayed fluorescence. <i>Chemical Communications</i> , 2018 , 54, 7850-7853	5.8	25
88	Highly efficient blue and warm white organic light-emitting diodes with a simplified structure. <i>Nanotechnology</i> , 2016 , 27, 124001	3.4	25
87	Combined optimization of emission layer morphology and hole-transport layer for enhanced performance of perovskite light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6169-6175	7.1	24
86	Non-noble-metal-based organic emitters for OLED applications. <i>Materials Science and Engineering Reports</i> , 2020 , 142, 100581	30.9	24
85	Molecular isomeric engineering of naphthyl-quinoline-containing dinuclear platinum complexes to tune emission from deep red to near infrared. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 630-638	7.1	23
84	Three pyrido[2,3,4,5-lmn]phenanthridine derivatives and their large band gap copolymers for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 321-325	13	23
83	In Situ Synthesis of Optically Active Poly(o-ethoxyaniline) in Organic Media and Its Chiroptical Properties. <i>Chemistry of Materials</i> , 2001 , 13, 4787-4793	9.6	23
82	Rational utilization of intramolecular and intermolecular hydrogen bonds to achieve desirable electron transporting materials with high mobility and high triplet energy. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1482-1489	7.1	22
81	Achieving near-infrared emission in platinum(II) complexes by using an extended donor-acceptor-type ligand. <i>Dalton Transactions</i> , 2016 , 45, 5071-80	4.3	21
80	Highly Efficient Green Phosphorescent OLED Based on Pyridine-containing Starburst Electron-transporting Materials. <i>Chemistry Letters</i> , 2010 , 39, 140-141	1.7	21
79	Rhodium(III)-catalyzed indole-directed carbenoid aryl C-H insertion/cyclization: access to 1,2-benzocarbazoles. <i>RSC Advances</i> , 2017 , 7, 30554-30558	3.7	20
78	Small molecular neutral microcrystalline iridium(III) complexes as promising molecular oxygen sensors. <i>Chemical Communications</i> , 2015 , 51, 1926-9	5.8	20

77	Bis-tridentate Ir Phosphors Bearing Two Fused Five-Six-Membered Metallacycles: A Strategy to Improved Photostability of Blue Emitters. <i>Chemistry - A European Journal</i> , 2019 , 25, 15375-15386	4.8	20
76	Iridium(III) complexes with enhanced film amorphism as guests for efficient orange solution-processed single-layer PhOLEDs with low efficiency roll-off. <i>Dalton Transactions</i> , 2013 , 42, 10559-71	4.3	20
75	Thiophene Disubstituted Benzothiadiazole Derivatives: An Effective Planarization Strategy Toward Deep-Red to Near-Infrared (NIR) Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2019 , 7, 276	5	19
74	Nonaromatic Amine Containing Exciplex for Thermally Activated Delayed Fluorescent Electroluminescence. <i>Advanced Optical Materials</i> , 2019 , 7, 1801554	8.1	19
73	Pyrene terminal functionalized perylene diimide as non-fullerene acceptors for bulk heterojunction solar cells. <i>RSC Advances</i> , 2015 , 5, 83155-83163	3.7	19
72	Achieving Purely Organic Room-Temperature Phosphorescence Mediated by a Host-Guest Charge Transfer State. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4600-4608	6.4	19
71	Sky-blue thermally activated delayed fluorescence material employing a diphenylethyne acceptor for organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 36-42	7.1	19
70	Dual phosphorescence emission of dinuclear platinum(II) complex incorporating cyclometallating pyrenyl-dipyridine-based ligand and its application in near-infrared solution-processed polymer light-emitting diodes. <i>Dalton Transactions</i> , 2017 , 46, 16257-16268	4.3	17
69	High-performance and stable CsPbBr light-emitting diodes based on polymer additive treatment.. <i>RSC Advances</i> , 2019 , 9, 27684-27691	3.7	17
68	Efficient near-infrared emission of extended cyclometalated iridium complexes based on pyrene in solution-processed polymer light-emitting diode. <i>Chemical Physics Letters</i> , 2018 , 699, 99-106	2.5	17
67	D-A-D-type orange-light emitting thermally activated delayed fluorescence (TADF) materials based on a fluorenone unit: simulation, photoluminescence and electroluminescence studies. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 672-681	2.5	17
66	Purely Organic Crystals Exhibit Bright Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie</i> , 2019 , 131, 13656-13665	3.6	17
65	Quinazoline-Based Thermally Activated Delayed Fluorescence for High-Performance OLEDs with External Quantum Efficiencies Exceeding 20%. <i>Advanced Optical Materials</i> , 2019 , 7, 1801496	8.1	17
64	Highly efficient thermally activated delayed fluorescence yellow organic light-emitting diodes with a low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8063-8069	7.1	16
63	Nanosecond-time-scale delayed fluorescence towards fast triplet-singlet spin conversion for efficient orange-red OLEDs with negligible efficiency roll-off. <i>Chemical Engineering Journal</i> , 2021 , 415, 128949	14.7	16
62	Achieving NIR emission for tetradentate platinum (II) salophen complexes by attaching dual donor-accepter frameworks in the heads of salophen. <i>Dyes and Pigments</i> , 2017 , 138, 100-106	4.6	15
61	Pyridal[2,1,3]thiadiazole as strong electron-withdrawing and less sterically-hindered acceptor for highly efficient donor-acceptor type NIR materials. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11053-11058	7.1	15
60	Introduction of Twisted Backbone: A New Strategy to Achieve Efficient Blue Fluorescence Emitter with Delayed Emission. <i>Advanced Optical Materials</i> , 2017 , 5, 1700334	8.1	15

59	Small molecular non-fullerene electron acceptors for P3HT-based bulk-heterojunction solar cells. <i>Science China Chemistry</i> , 2014 , 57, 973-981	7.9	14
58	Synthesis and optoelectronic properties of amino-functionalized carbazole-based conjugated polymers. <i>Science China Chemistry</i> , 2013 , 56, 1119-1128	7.9	14
57	Efficient Low-Driving-Voltage Blue Phosphorescent Homojunction Organic Light-Emitting Devices. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 040204	1.4	14
56	Tetradentate Pt(II) 3,6-substitued salophen complexes: Synthesis and tuning emission from deep-red to near infrared by appending donor-acceptor framework. <i>Organic Electronics</i> , 2017 , 50, 317-324 ⁵	3.5	13
55	Tetradentate Pt(II) Complexes for Spectrum-Stable Deep-Blue and White Electroluminescence. <i>Advanced Optical Materials</i> , 2020 , 8, 2000406	8.1	13
54	Phenanthroline Derivatives for Electron-transport Layer in Organic Light-emitting Devices. <i>Chemistry Letters</i> , 2009 , 38, 712-713	1.7	12
53	Pyridine-Based Bipolar Hosts for Solution-Processed Bluish-Green Thermally Activated Delayed Fluorescence Devices: A Subtle Regulation of Chemical Stability and Carrier Transportation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49905-49914	9.5	12
52	Efficient near-infrared emitting tetradentate bis-cyclometalated platinum (IV) complexes for solution-processed polymer light-emitting diodes. <i>Dyes and Pigments</i> , 2017 , 142, 457-464	4.6	11
51	Engineering the excited-state properties of purely organic intramolecular and intermolecular charge transfer emitters towards high-performance fluorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10991-11000	7.1	11
50	Triazole and Pyridine Hybrid Molecules as Electron-Transport Materials for Highly Efficient Green Phosphorescent Organic Light-Emitting Diodes. <i>Israel Journal of Chemistry</i> , 2014 , 54, 971-978	3.4	11
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