

# Shi-Jian Su

## List of Publications by Year in Descending Order

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

184  
papers

15,390  
citations

51  
h-index

122  
g-index

192  
ext. papers

17,073  
ext. citations

9.1  
avg. IF

6.77  
L-index

#	Paper	IF	Citations
184	Highly efficient and stable blue thermally activated delayed fluorescent organic light-emitting diodes <b>2022</b> , 117-191		0
183	Perovskite/Organic Hybrid White Electroluminescent Devices with Stable Spectrum and Extended Operating Lifetime. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 523-532	20.1	2
182	Single-component exciplex hosts for OLED application. <i>Organic Electronics</i> , <b>2022</b> , 103, 106462	3.5	
181	Thermally activated delayed fluorescence polymers for high-efficiency solution-processed non-doped OLEDs: Convenient synthesis by binding TADF units and host units to the pre-synthesized polycarbazole-based backbone via click reaction. <i>Polymer</i> , <b>2022</b> , 240, 124468	3.9	5
180	A chiral column core surrounded by peripheral emitting moieties: a novel strategy for constructing columnar liquid crystals with circularly polarized luminescence. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 5598-5607	7.1	2
179	Efficient Green Quasi-Two-Dimensional Perovskite Light-Emitting Diodes Based on Mix-Interlayer.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 825822	5	
178	Efficient Zn-Alloyed Low-Toxicity Quasi-Two-Dimensional Pure-Red Perovskite Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 55412-55419	9.5	2
177	Organic clusters with time-dependent color-tunable dual persistent room-temperature phosphorescence. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 15998-16005	7.1	2
176	Multiple charge transfer disk-like emitters with fast fluorescence radiation rate and high horizontal dipole orientation for pure blue organic light-emitting diodes. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133030	14.7	0
175	Achieving Purely Organic Room-Temperature Phosphorescence Mediated by a Host-Guest Charge Transfer State. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 4600-4608	6.4	19
174	Photocatalyzed cycloaromatization of vinylsilanes with arylsulfonylazides. <i>Nature Communications</i> , <b>2021</b> , 12, 3304	17.4	10
173	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> , <b>2021</b> , 415, 128949	14.7	16
172	Iridium Complexes Embedding Rigid D-A-Type Coordinated Cores: Facile Synthesis and High-Efficiency Near-Infrared Emission in Solution-Processed Polymer Light-Emitting Diodes. <i>Journal of Organometallic Chemistry</i> , <b>2021</b> , 931, 121615	2.3	2
171	Spiral Donor Design Strategy for Blue Thermally Activated Delayed Fluorescence Emitters. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 5302-5311	9.5	32
170	Boosting purely organic room-temperature phosphorescence performance through a host-guest strategy. <i>Chemical Science</i> , <b>2021</b> , 12, 13580-13587	9.4	9
169	Bimetal Cooperatively Catalyzed Arylalkynylation of Alkynylsilanes. <i>Organic Letters</i> , <b>2021</b> , 23, 6724-6728	6.2	1
168	Perovskite Light-Emitting Diodes with EQE Exceeding 28% through a Synergetic Dual-Additive Strategy for Defect Passivation and Nanostructure Regulation. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103268	24	94

167	Donor-Acceptor materials for robust electroluminescence performance based on hybridized local and charge-transfer state. <i>Dyes and Pigments</i> , <b>2021</b> , 193, 109495	4.6	3
166	On-off-switch between red thermally activated delayed fluorescence and conventional fluorescence by isomeric regulation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 131510	14.7	1
165	Dynamic adjustment of emission from both singlets and triplets: the role of excited state conformation relaxation and charge transfer in phenothiazine derivatives. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 1378-1386	7.1	5
164	Ultralong room-temperature phosphorescence remarkably weakened by halogenation-induced molecular packing in hexaphenylmelamine derivatives. <i>Chemical Communications</i> , <b>2021</b> , 57, 6177-6180	5.8	2
163	Stimuli-Responsive Aggregation-Induced Delayed Fluorescence Emitters Featuring the Asymmetric D-A Structure with a Novel Diarylketone Acceptor Toward Efficient OLEDs with Negligible Efficiency Roll-Off. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 29528-29539	9.5	4
162	Co-Interlayer Engineering toward Efficient Green Quasi-Two-Dimensional Perovskite Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910167	15.6	26
161	Highly Emissive Dinuclear Platinum(III) Complexes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7469-7479	16.4	36
160	Calix[4]resorcinarene-based hyper-structured molecular thermally activated delayed fluorescence yellow-green emitters for non-doped OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 4469-4476	7.1	4
159	Bipolar fluorophores based on intramolecular charge-transfer moieties of sulfone for nondoped deep blue solution-processed organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2020</b> , 176, 108242	4.6	2
158	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 &amp; Interfaces</i> , <b>2020</b> , 12, 2717-2723	9.5	27
157	An effective approach for making solution-processable deep blue emitters via side chain modification. <i>Optical Materials</i> , <b>2020</b> , 99, 109573	3.3	2
156	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 &amp; Interfaces</i> , <b>2020</b> , 12, 49905-49914	9.5	12
155	Non-noble-metal-based organic emitters for OLED applications. <i>Materials Science and Engineering Reports</i> , <b>2020</b> , 142, 100581	30.9	24
154	Tetradentate Pt(II) Complexes for Spectrum-Stable Deep-Blue and White Electroluminescence. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000406	8.1	13
153	Three-dimensional organic cage with narrowband delayed fluorescence. <i>Science China Chemistry</i> , <b>2020</b> , 63, 897-903	7.9	4
152	High-performance and stable CsPbBr light-emitting diodes based on polymer additive treatment.. <i>RSC Advances</i> , <b>2019</b> , 9, 27684-27691	3.7	17
151	Highly Efficient Blue Fluorescent OLEDs Based on Upper Level Triplet-Singlet Intersystem Crossing. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807388	24	168
150	Incorporation of rubidium cations into blue perovskite quantum dot light-emitting diodes via FABr-modified multi-cation hot-injection method. <i>Nanoscale</i> , <b>2019</b> , 11, 1295-1303	7.7	26

149	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> , <b>2019</b> , 7, 630-638	7.1	23
148	Tri-Spiral Donor for High Efficiency and Versatile Blue Thermally Activated Delayed Fluorescence Materials. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11423	3.6	1
147	The dibenzothiophene-S,S-dioxide and spirobifluorene based small molecules promote Low roll-off and Blue organic light-emitting diodes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111946	4.7	3
146	Enhanced efficiency of thermally activated delayed fluorescence emitters by suitable substitution on isonicotinonitrile. <i>Dyes and Pigments</i> , <b>2019</b> , 170, 107633	4.6	2
145	Highly efficient thermally activated delayed fluorescence yellow organic light-emitting diodes with a low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8063-8069	7.1	16
144	Tri-Spiral Donor for High Efficiency and Versatile Blue Thermally Activated Delayed Fluorescence Materials. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11301-11305	16.4	128
143	Achieving high-efficiency purely organic room-temperature phosphorescence materials by boronic ester substitution of phenoxathiine. <i>Chemical Communications</i> , <b>2019</b> , 55, 7215-7218	5.8	26
142	Thiophene Disubstituted Benzothiadiazole Derivatives: An Effective Planarization Strategy Toward Deep-Red to Near-Infrared (NIR) Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 276	5	19
141	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> , <b>2019</b> , 29, 1808088	15.6	63
140	Nonaromatic Amine Containing Exciplex for Thermally Activated Delayed Fluorescent Electroluminescence. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801554	8.1	19
139	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> , <b>2019</b> , 7, 10961-10971	7.1	26
138	Purely Organic Crystals Exhibit Bright Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13656-13665	3.6	17
137	Purely Organic Crystals Exhibit Bright Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13522-13531	16.4	43
136	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> , <b>2019</b> , 25, 15375-15386	4.8	20
135	Achieving Enhanced Thermally Activated Delayed Fluorescence Rates and Shortened Exciton Lifetimes by Constructing Intramolecular Hydrogen Bonding Channels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 45999-46007	9.5	29
134	Quinazoline-Based Thermally Activated Delayed Fluorescence for High-Performance OLEDs with External Quantum Efficiencies Exceeding 20%. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801496	8.1	17
133	Predicting Operational Stability for Organic Light-Emitting Diodes with Exciplex Cohosts. <i>Advanced Science</i> , <b>2019</b> , 6, 1802246	13.6	27
132	Adamantane-Substituted Acridine Donor for Blue Dual Fluorescence and Efficient Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 582-586	16.4	78

131	Spiro[fluorene-9,9'-hioxanthene] core based host materials for thermally activated delayed fluorescence devices. <i>Dyes and Pigments</i> , <b>2019</b> , 163, 249-256	4.6	8
130	Molecular and Device Design Strategies for Ideal Performance White Organic Light-Emitting Diodes. <i>Chemical Record</i> , <b>2019</b> , 19, 1518-1530	6.6	8
129	design of D-πA molecules as universal hosts for monochrome and white phosphorescent organic light-emitting diodes. <i>Chemical Science</i> , <b>2018</b> , 9, 4062-4070	9.4	49
128	An Effective Strategy toward High-Efficiency Fluorescent OLEDs by Radiative Coupling of Spatially Separated Electron-Hole Pairs. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800025	4.6	26
127	Synthesis, Properties, Calculations and Applications of Small Molecular Host Materials Containing Oxadiazole Units with Different Nitrogen and Oxygen Atom Orientations for Solution-Processable Blue Phosphorescent OLEDs. <i>Electronic Materials Letters</i> , <b>2018</b> , 14, 89-100	2.9	3
126	Novel efficient blue and bluish-green light-emitting polymers with delayed fluorescence. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2690-2695	7.1	57
125	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> , <b>2018</b> , 28, 1706922	15.6	39
124	Heavy Atom Effect of Bromine Significantly Enhances Exciton Utilization of Delayed Fluorescence Luminogens. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 17327-17334	9.5	50
123	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> , <b>2018</b> , 6, 5769-5777	7.1	27
122	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> , <b>2018</b> , 61, 677-686	7.9	27
121	Efficient near-infrared emission of π-extended cyclometalated iridium complexes based on pyrene in solution-processed polymer light-emitting diode. <i>Chemical Physics Letters</i> , <b>2018</b> , 699, 99-106	2.5	17
120	Efficient near-infrared emission based on donor-acceptor molecular architecture: The role of ancillary acceptor of cyanophenyl. <i>Dyes and Pigments</i> , <b>2018</b> , 149, 430-436	4.6	25
119	Achieving Efficient Triplet Exciton Utilization with Large πE and Nonobvious Delayed Fluorescence by Adjusting Excited State Energy Levels. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 4725-4731	6.4	52
118	Manipulating the Molecular Backbone to Achieve Highly Emissive Sky-Blue AIEgens and Their Applications in Nondoped Organic Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800354	6.4	10
117	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> , <b>2018</b> , 14, 672-681	2.5	17
116	Recombination Dynamics Study on Nanostructured Perovskite Light-Emitting Devices. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801370	24	60
115	One-step synthesis of cyclic compounds towards easy room-temperature phosphorescence and deep blue thermally activated delayed fluorescence. <i>Chemical Communications</i> , <b>2018</b> , 54, 7850-7853	5.8	25
114	Enhanced performances of planar heterojunction organic light-emitting diodes via diluting an n-type transporter into a carbazole-based matrix. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 29-35	7.1	5

113	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> , <b>2018</b> , 28, 1704927	15.6	79
112	Sky-blue thermally activated delayed fluorescence material employing a diphenylethyne acceptor for organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 36-42	7.1	19
111	Marching Toward Highly Efficient, Pure-Blue, and Stable Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802558	15.6	323
110	Adamantane-Substituted Acridine Donor for Blue Dual Fluorescence and Efficient Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> , <b>2018</b> , 131, 592	3.6	1
109	19.1: Exciton-Adjustable Interlayers for Efficient and Lifetime Improved Warm White Organic Light-Emitting Diodes Based on a Delayed Fluorescence Assistant Host. <i>Digest of Technical Papers SID International Symposium</i> , <b>2018</b> , 49, 197-201	0.5	
108	Synthesis and optoelectronic properties of dinuclear cyclometalated platinum (II) complexes containing naphthalene-functionalized carbazole groups in the single-emissive-layer WPLEDs. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 835, 52-59	2.3	6
107	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> , <b>2017</b> , 27, 1606458	15.6	319
106	Efficient near-infrared emitting tetradentate bis-cyclometalated platinum (IV) complexes for solution-processed polymer light-emitting diodes. <i>Dyes and Pigments</i> , <b>2017</b> , 142, 457-464	4.6	11
105	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> , <b>2017</b> , 5, 5223-5231	7.1	37
104	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> , <b>2017</b> , 138, 100-106	4.6	15
103	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> , <b>2017</b> , 5, 6169-6175	7.1	24
102	Highly efficient thermally activated delayed fluorescence materials with reduced efficiency roll-off and low on-set voltages. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 2039-2046	7.8	41
101	Rhodium(III)-catalyzed indole-directed carbenoid aryl C-H insertion/cyclization: access to 1,2-benzocarbazoles. <i>RSC Advances</i> , <b>2017</b> , 7, 30554-30558	3.7	20
100	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> , <b>2017</b> , 29, 3623-3631	9.6	176
99	Near-infrared emission from binuclear platinum (II) complexes containing pyrenylpyridine and pyridylthiolate units: Synthesis, photo-physical and electroluminescent properties. <i>Dyes and Pigments</i> , <b>2017</b> , 138, 162-168	4.6	32
98	Tetraphenylfuran: aggregation-induced emission or aggregation-caused quenching?. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 1125-1129	7.8	123
97	High-Performance Color-Tunable Perovskite Light Emitting Devices through Structural Modulation from Bulk to Layered Film. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603157	24	172
96	Influence of fullerene-based acceptor materials on the performance of indacenodithiophene-cored small molecule bulk heterojunction organic solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 5006-5013	2.1	1

95	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> , <b>2017</b> , 5, 10991-11000	7.1	11
94	Horizontally Orientated Sticklike Emitters: Enhancement of Intrinsic Out-Coupling Factor and Electroluminescence Performance. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 8630-8636	9.6	119
93	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> , <b>2017</b> , 46, 16257-16268	4.3	17
92	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> , <b>2017</b> , 5, 11053-11058	7.1	15
91	Highly Efficient Nondoped OLEDs with Negligible Efficiency Roll-Off Fabricated from Aggregation-Induced Delayed Fluorescence Luminogens. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12971-12976	16.4	239
90	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> , <b>2017</b> , 5, 10406-10416	7.1	47
89	Introduction of Twisted Backbone: A New Strategy to Achieve Efficient Blue Fluorescence Emitter with Delayed Emission. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700334	8.1	15
88	Tailoring Excited State Properties and Energy Levels Arrangement via Subtle Structural Design on D- $\pi$ -A Materials. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 1559-1568	4.9	7
87	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> , <b>2017</b> , 5, 1700441	8.1	48
86	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 &amp; Interfaces</i> , <b>2017</b> , 9, 29907-29916	9.5	29
85	Tetradentate Pt(II) 3,6-substituted salophen complexes: Synthesis and tuning emission from deep-red to near infrared by appending donor-acceptor framework. <i>Organic Electronics</i> , <b>2017</b> , 50, 317-324	2.5	13
84	Synthesis and Characterization of New Solution-Processable Red Iridium (III) Complexes Based on a Phenylation Strategy. <i>Acta Chimica Sinica</i> , <b>2017</b> , 75, 367	3.3	4
83	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> , <b>2016</b> , 26, 6904-6912	15.6	138
82	Structure-simplified and highly efficient deep blue organic light-emitting diodes with reduced efficiency roll-off at extremely high luminance. <i>Chemical Communications</i> , <b>2016</b> , 52, 14454-14457	5.8	28
81	Dinuclear cyclometalated platinum(ii) complexes containing a deep blue fluorescence chromophore: synthesis, photophysics and application in single dopant white PLEDs. <i>Dalton Transactions</i> , <b>2016</b> , 45, 14131-40	4.3	7
80	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> , <b>2016</b> , 28, 6758-65	24	68
79	High-Efficiency WOLEDs with High Color-Rendering Index based on a Chromaticity-Adjustable Yellow Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Materials</i> , <b>2016</b> , 28, 4614-9	24	103
78	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> , <b>2016</b> , 4, 1482-1489	7.1	22

77	Near-infrared emitting pyrazole-bridged binuclear platinum complexes: Synthesis, photophysical and electroluminescent properties in PLEDs. <i>Dyes and Pigments</i> , <b>2016</b> , 128, 68-74	4.6	40
76	Highly Efficient Nondoped Green Organic Light-Emitting Diodes with Combination of High Photoluminescence and High Exciton Utilization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3041-9	9.5	96
75	"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> , <b>2016</b> , 7, 4264-4275	9.4	178
74	Structure-Performance Investigation of Thioxanthone Derivatives for Developing Color Tunable Highly Efficient Thermally Activated Delayed Fluorescence Emitters. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8627-36	9.5	70
73	Achieving near-infrared emission in platinum(II) complexes by using an extended donor-acceptor-type ligand. <i>Dalton Transactions</i> , <b>2016</b> , 45, 5071-80	4.3	21
72	Fluorescent Organic Planar pn Heterojunction Light-Emitting Diodes with Simplified Structure, Extremely Low Driving Voltage, and High Efficiency. <i>Advanced Materials</i> , <b>2016</b> , 28, 239-44	24	104
71	Rh(III)-catalyzed relay carbenoid functionalization of aromatic C-H bonds: access to $\pi$ -conjugated fused heteroarenes. <i>Chemical Communications</i> , <b>2016</b> , 52, 5856-9	5.8	35
70	Highly efficient blue and warm white organic light-emitting diodes with a simplified structure. <i>Nanotechnology</i> , <b>2016</b> , 27, 124001	3.4	25
69	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> , <b>2016</b> , 28, 181-7	24	253
68	Benzotriazole-containing donor-acceptor type cyclometalated iridium(III) complex for solution-processed near-infrared polymer light emitting diodes. <i>Dyes and Pigments</i> , <b>2016</b> , 131, 231-238	4.6	29
67	Tuning color-correlated temperature and color rendering index of phosphorescent white polymer light-emitting diodes: Towards healthy solid-state lighting. <i>Organic Electronics</i> , <b>2016</b> , 34, 18-22	3.5	10
66	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> , <b>2016</b> , 4, 6007-6015	7.1	59
65	Twist Angle and Rotation Freedom Effects on Luminescent Donor-Acceptor Materials: Crystal Structures, Photophysical Properties, and OLED Application. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 2109-2118	8.1	44
64	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> , <b>2016</b> , 26, 8042-8052	15.6	126
63	Polarity-Tunable Host Materials and Their Applications in Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27920-27930	9.5	47
62	Novel molecular host materials based on carbazole/PO hybrids with wide bandgap via unique linkages for solution-processed blue phosphorescent OLEDs. <i>Optical Materials</i> , <b>2016</b> , 60, 244-251	3.3	6
61	Efficient exciplex organic light-emitting diodes with a bipolar acceptor. <i>Organic Electronics</i> , <b>2015</b> , 25, 79-84	3.5	40
60	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 &amp; Interfaces</i> , <b>2015</b> , 7, 7869-77	9.5	106



59	Modulation of aggregation-induced emission and electroluminescence of silole derivatives by a covalent bonding pattern. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 8137-47	4.8	31
58	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> , <b>2015</b> , 5, 32298-32306	3.7	31
57	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> , <b>2015</b> , 3, 9233-9239	7.1	40
56	Pyrene terminal functionalized perylene diimide as non-fullerene acceptors for bulk heterojunction solar cells. <i>RSC Advances</i> , <b>2015</b> , 5, 83155-83163	3.7	19
55	Blue thermally activated delayed fluorescence materials based on bis(phenylsulfonyl)benzene derivatives. <i>Chemical Communications</i> , <b>2015</b> , 51, 16353-6	5.8	97
54	9,9-Diphenyl-thioxanthene derivatives as host materials for highly efficient blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9999-10006	7.1	32
53	Small molecular neutral microcrystalline iridium(III) complexes as promising molecular oxygen sensors. <i>Chemical Communications</i> , <b>2015</b> , 51, 1926-9	5.8	20
52	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> , <b>2015</b> , 3, 6986-6996	7.1	44
51	Highly efficient non-doped single-layer blue organic light-emitting diodes based on light-emitting conjugated polymers containing trifluorene-2-ylamine and dibenzothiophene-S,S-dioxide. <i>Synthetic Metals</i> , <b>2015</b> , 205, 228-235	3.6	4
50	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> , <b>2015</b> , 25, 5190-5198	15.6	81
49	Achieving a Significantly Increased Efficiency in Nondoped Pure Blue Fluorescent OLED: A Quasi-Equivalent Hybridized Excited State. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1755-1762	15.6	304
48	Alternative carrier injection/extraction inspired by electrode interlayers based on peripheral modification of the electron-rich skeleton. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 3133-41	9.5	4
47	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> , <b>2015</b> , 27, 1100-1109	9.6	94
46	Solution-processed bulk heterojunction solar cells based on a porphyrin small molecule with 7% power conversion efficiency. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 1397-1401	35.4	184
45	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> , <b>2014</b> , 2, 321-325	13	23
44	Impact of the electron-transport layer on the performance of solution-processed small-molecule organic solar cells. <i>ChemSusChem</i> , <b>2014</b> , 7, 2358-64	8.3	35
43	Nitrogen heterocycle-containing materials for highly efficient phosphorescent OLEDs with low operating voltage. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 9565-9578	7.1	129
42	Indacenodithiophene core-based small molecules with tunable side chains for solution-processed bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4004	13	30

41	Small molecular non-fullerene electron acceptors for P3HT-based bulk-heterojunction solar cells. <i>Science China Chemistry</i> , <b>2014</b> , 57, 973-981	7.9	14
40	Solution-processed cathode-interlayer-free deep blue organic light-emitting diodes. <i>Organic Electronics</i> , <b>2014</b> , 15, 1197-1204	3.5	8
39	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> , <b>2014</b> , 24, 3268-3275	15.6	106
38	Triazole and Pyridine Hybrid Molecules as Electron-Transport Materials for Highly Efficient Green Phosphorescent Organic Light-Emitting Diodes. <i>Israel Journal of Chemistry</i> , <b>2014</b> , 54, 971-978	3.4	11
37	A water-processable organic electron-selective layer for solution-processed inverted organic solar cells. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 053304	3.4	11
36	Synthesis and optoelectronic properties of amino-functionalized carbazole-based conjugated polymers. <i>Science China Chemistry</i> , <b>2013</b> , 56, 1119-1128	7.9	14
35	Pyridinium salt-based molecules as cathode interlayers for enhanced performance in polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3387	13	35
34	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> , <b>2013</b> , 42, 10559-71	4.3	20
33	Conjugated polymers containing trifluorene-2-ylamine, trifluorene-2-ylbenzene and trifluorene-2-yltriazine for electroluminescence. <i>Polymer</i> , <b>2013</b> , 54, 162-173	3.9	4
32	Investigation of a Conjugated Polyelectrolyte Interlayer for Inverted Polymer:Fullerene Solar Cells. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 718-723	21.8	87
31	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> , <b>2013</b> , 34, 595-603	4.8	41
30	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> , <b>2013</b> , 25, 3683-8	24	118
29	Three-carbazole-armed host materials with various cores for RGB phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 3447		85
28	Highly efficient orange and red organic light-emitting diodes with iridium(III) complexes bearing benzothiazole cyclometallate ligands as emitters. <i>Thin Solid Films</i> , <b>2012</b> , 526, 231-236	2.2	8
27	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> , <b>2012</b> , 24, 3817-3827	9.6	41
26	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> , <b>2012</b> , 13, 1937-1947	3.5	51
25	Enhanced power-conversion efficiency in polymer solar cells using an inverted device structure. <i>Nature Photonics</i> , <b>2012</b> , 6, 591-595	33.9	3384
24	RGB Phosphorescent Organic Light-Emitting Diodes by Using Host Materials with Heterocyclic Cores: Effect of Nitrogen Atom Orientations. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 274-284	9.6	223

23	Highly efficient pure white polymer light-emitting devices based on poly(N-vinylcarbazole) doped with blue and red phosphorescent dyes. <i>Science China Chemistry</i> , <b>2011</b> , 54, 671-677	7.9	8
22	Simultaneous enhancement of open-circuit voltage, short-circuit current density, and fill factor in polymer solar cells. <i>Advanced Materials</i> , <b>2011</b> , 23, 4636-43	24	1860
21	High-efficiency red, green and blue phosphorescent homojunction organic light-emitting diodes based on bipolar host materials. <i>Organic Electronics</i> , <b>2011</b> , 12, 843-850	3.5	78
20	Efficient Low-Driving-Voltage Blue Phosphorescent Homojunction Organic Light-Emitting Devices. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 040204	1.4	14
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17	Tuning energy levels of electron-transport materials by nitrogen orientation for electrophosphorescent devices with an 'ideal' operating voltage. <i>Advanced Materials</i> , <b>2010</b> , 22, 3311-6	24	154
16	Structure-Property Relationship of Pyridine-Containing Triphenyl Benzene Electron-Transport Materials for Highly Efficient Blue Phosphorescent OLEDs. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 1260-1267	15.6	174
15	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> , <b>2009</b> , 21, 1271-1274	322	
14	Phenanthroline Derivatives for Electron-transport Layer in Organic Light-emitting Devices. <i>Chemistry Letters</i> , <b>2009</b> , 38, 712-713	1.7	12
13	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> , <b>2008</b> , 20, 5951-5953	9.6	222
12	2-Phenylpyrimidine skeleton-based electron-transport materials for extremely efficient green organic light-emitting devices. <i>Chemical Communications</i> , <b>2008</b> , 5821-3	5.8	117
11	Pyridine-Containing Bipolar Host Materials for Highly Efficient Blue Phosphorescent OLEDs. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 1691-1693	9.6	461
10	Novel four-pyridylbenzene-armed biphenyls as electron-transport materials for phosphorescent OLEDs. <i>Organic Letters</i> , <b>2008</b> , 10, 941-4	6.2	115
9	Pyridine-Containing Triphenylbenzene Derivatives with High Electron Mobility for Highly Efficient Phosphorescent OLEDs. <i>Advanced Materials</i> , <b>2008</b> , 20, 2125-2130	24	538
8	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> , <b>2008</b> , 20, NA-NA	24	114
7	Ultra High Efficiency Green Organic Light-Emitting Devices. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, L10-L12	1.4	324
6	Template synthesis of polyaniline in the presence of phosphomannan. <i>Synthetic Metals</i> , <b>2002</b> , 129, 173-178	1.7	28

5	Helix Inversion of Polyaniline by Introducing o-Toluidine Units. <i>Macromolecules</i> , <b>2002</b> , 35, 5752-5757	5.5	27
4	In Situ Synthesis of Optically Active Poly(o-ethoxyaniline) in Organic Media and Its Chiroptical Properties. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 4787-4793	9.6	23
3	Optically Active Polyaniline Derivatives Prepared by Electron Acceptor in Organic System: Chiroptical Properties. <i>Macromolecules</i> , <b>2001</b> , 34, 7249-7256	5.5	39
2	Emission Wavelength Tuning via Competing Lattice Expansion and Octahedral Tilting for Efficient Red Perovskite Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2106691	15.6	8
1	Synergetic Horizontal Dipole Orientation Induction for Highly Efficient and Spectral Stable Thermally Activated Delayed Fluorescence White Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2203022	15.6	4