

# Shuming Chen

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/104548/shuming-chen-publications-by-citations.pdf>

**Version:** 2024-04-19

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

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

171  
papers

7,840  
citations

48  
h-index

84  
g-index

184  
ext. papers

8,877  
ext. citations

6.8  
avg. IF

6.29  
L-index

#	Paper	IF	Citations
171	Changing the behavior of chromophores from aggregation-caused quenching to aggregation-induced emission: development of highly efficient light emitters in the solid state. <i>Advanced Materials</i> , <b>2010</b> , 22, 2159-63	24	723
170	Efficient Solid Emitters with Aggregation-Induced Emission and Intramolecular Charge Transfer Characteristics: Molecular Design, Synthesis, Photophysical Behaviors, and OLED Application. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1518-1528	9.6	418
169	Creation of highly efficient solid emitter by decorating pyrene core with AIE-active tetraphenylethene peripheries. <i>Chemical Communications</i> , <b>2010</b> , 46, 2221-3	5.8	327
168	Aggregation-induced emission, self-assembly, and electroluminescence of 4,4'-bis(1,2,2-triphenylvinyl)biphenyl. <i>Chemical Communications</i> , <b>2010</b> , 46, 686-8	5.8	292
167	Phenanthro[9,10-d]imidazole as a new building block for blue light emitting materials. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 5451		206
166	Hybrid Perovskite Light-Emitting Diodes Based on Perovskite Nanocrystals with Organic-Inorganic Mixed Cations. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606405	24	189
165	Efficient Light Emitters in the Solid State: Synthesis, Aggregation-Induced Emission, Electroluminescence, and Sensory Properties of Luminogens with Benzene Cores and Multiple Triarylvinyl Peripherals. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 378-389	15.6	189
164	Pyrene-substituted ethenes: aggregation-enhanced excimer emission and highly efficient electroluminescence. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 7210		189
163	Halide-Rich Synthesized Cesium Lead Bromide Perovskite Nanocrystals for Light-Emitting Diodes with Improved Performance. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 5168-5173	9.6	187
162	Efficient Red/Green/Blue Tandem Quantum-Dot Light-Emitting Diodes with External Quantum Efficiency Exceeding 21. <i>ACS Nano</i> , <b>2018</b> , 12, 697-704	16.7	176
161	Tuning the Electronic Nature of Aggregation-Induced Emission Luminogens with Enhanced Hole-Transporting Property. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 2536-2544	9.6	171
160	Full emission color tuning in luminogens constructed from tetraphenylethene, benzo-2,1,3-thiadiazole and thiophene building blocks. <i>Chemical Communications</i> , <b>2011</b> , 47, 8847-9	5.8	158
159	White Organic Light-Emitting Diodes with Evenly Separated Red, Green, and Blue Colors for Efficiency/Color-Rendition Trade-Off Optimization. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 3785-3793	15.6	154
158	Towards high efficiency solid emitters with aggregation-induced emission and electron-transport characteristics. <i>Chemical Communications</i> , <b>2011</b> , 47, 11216-8	5.8	131
157	Efficient quantum dot light-emitting diodes with a ZnMgO interfacial modification layer. <i>Nanoscale</i> , <b>2017</b> , 9, 8962-8969	7.7	112
156	Siloles symmetrically substituted on their 2,5-positions with electron-accepting and donating moieties: facile synthesis, aggregation-enhanced emission, solvatochromism, and device application. <i>Chemical Science</i> , <b>2012</b> , 3, 549-558	9.4	111
155	High-Performance CsPb Sn Br Perovskite Quantum Dots for Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13650-13654	16.4	107

154	Cadmium-Free InP/ZnSeS/ZnS Heterostructure-Based Quantum Dot Light-Emitting Diodes with a ZnMgO Electron Transport Layer and a Brightness of Over 10 000 cd m. <i>Small</i> , <b>2017</b> , 13, 1603962	11	105
153	Steric Hindrance, Electronic Communication, and Energy Transfer in the Photo- and Electroluminescence Processes of Aggregation-Induced Emission Luminogens. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 7963-7972	3.8	102
152	Over 100 cd A <sup>-1</sup> Efficient Quantum Dot Light-Emitting Diodes with Inverted Tandem Structure. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700610	15.6	100
151	Stereoselective synthesis, efficient light emission, and high bipolar charge mobility of chiasmatic luminogens. <i>Advanced Materials</i> , <b>2011</b> , 23, 5430-5	24	97
150	Using tetraphenylethene and carbazole to create efficient luminophores with aggregation-induced emission, high thermal stability, and good hole-transporting property. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4527		92
149	Aggregation-induced emission, mechanochromism and blue electroluminescence of carbazole and triphenylamine-substituted ethenes. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 4320-4327	7.1	89
148	Thin film perovskite light-emitting diode based on CsPbBr <sub>3</sub> powders and interfacial engineering. <i>Nano Energy</i> , <b>2017</b> , 37, 40-45	17.1	86
147	A tetraphenylethene-based red luminophor for an efficient non-doped electroluminescence device and cellular imaging. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 11018		81
146	Light extraction from organic light-emitting diodes for lighting applications by sand-blasting substrates. <i>Optics Express</i> , <b>2010</b> , 18, 37-42	3.3	76
145	Plasmonic Perovskite Light-Emitting Diodes Based on the Ag-CsPbBr System. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4926-4931	9.5	75
144	Near-infrared and visible light dual-mode organic photodetectors. <i>Science Advances</i> , <b>2020</b> , 6, eaaw8065	14.3	72
143	Inverted Quantum-Dot Light-Emitting Diodes Fabricated by All-Solution Processing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 5493-8	9.5	71
142	Improving Electron Mobility of Tetraphenylethene-Based AIEgens to Fabricate Nondoped Organic Light-Emitting Diodes with Remarkably High Luminance and Efficiency. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16799-808	9.5	70
141	Efficient light-emitting diodes based on green perovskite nanocrystals with mixed-metal cations. <i>Nano Energy</i> , <b>2016</b> , 30, 511-516	17.1	67
140	Red emissive AIE luminogens with high hole-transporting properties for efficient non-doped OLEDs. <i>Chemical Communications</i> , <b>2015</b> , 51, 7321-4	5.8	65
139	Quantum-dot and organic hybrid tandem light-emitting diodes with multi-functionality of full-color-tunability and white-light-emission. <i>Nature Communications</i> , <b>2020</b> , 11, 2826	17.4	64
138	Solution-processed vanadium oxide as an efficient hole injection layer for quantum-dot light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 817-823	7.1	63
137	A facile and versatile approach to efficient luminescent materials for applications in organic light-emitting diodes. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 484-8	4.5	62

136	Construction of efficient solid emitters with conventional and AIE luminogens for blue organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10949		62
135	Cyclometalated Iridium(III) Carbene Phosphors for Highly Efficient Blue Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 40497-40502	9.5	61
134	Highly efficient iridium(III) phosphors with phenoxy-substituted ligands and their high-performance OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 808-821	7.1	61
133	Hydrophobic CuO Quantum Dots Enabled by Surfactant Modification as Top Hole-Transport Materials for Efficient Perovskite Solar Cells. <i>Advanced Science</i> , <b>2019</b> , 6, 1801169	13.6	60
132	Beyond OLED: Efficient Quantum Dot Light-Emitting Diodes for Display and Lighting Application. <i>Chemical Record</i> , <b>2019</b> , 19, 1729-1752	6.6	59
131	Investigation on Thermally Induced Efficiency Roll-Off: Toward Efficient and Ultrabright Quantum-Dot Light-Emitting Diodes. <i>ACS Nano</i> , <b>2019</b> , 13, 11433-11442	16.7	58
130	Very Bright and Efficient Microcavity Top-Emitting Quantum Dot Light-Emitting Diodes with Ag Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16768-75	9.5	58
129	High-Performance Quantum Dot Light-Emitting Diodes Based on Al-Doped ZnO Nanoparticles Electron Transport Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 18902-18909	9.5	56
128	Bright and efficient light-emitting diodes based on MA/Cs double cation perovskite nanocrystals. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6123-6128	7.1	50
127	Defects Passivation With Dithienobenzodithiophene-based E-conjugated Polymer for Enhanced Performance of Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900029	7.1	50
126	Flexible high energy density zinc-ion batteries enabled by binder-free MnO <sub>2</sub> /reduced graphene oxide electrode. <i>Npj Flexible Electronics</i> , <b>2018</b> , 2,	10.7	50
125	A simple and efficient approach toward deep-red to near-infrared-emitting iridium(iii) complexes for organic light-emitting diodes with external quantum efficiencies of over 10. <i>Chemical Science</i> , <b>2020</b> , 11, 2342-2349	9.4	49
124	Sky-blue nondoped OLEDs based on new AIEgens: ultrahigh brightness, remarkable efficiency and low efficiency roll-off. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 176-180	7.8	48
123	Universal Bipolar Host Materials for Blue, Green, and Red Phosphorescent OLEDs with Excellent Efficiencies and Small-Efficiency Roll-Off. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 27134-27144	9.5	47
122	Origin of Positive Aging in Quantum-Dot Light-Emitting Diodes. <i>Advanced Science</i> , <b>2018</b> , 5, 1800549	13.6	47
121	Highly transparent quantum-dot light-emitting diodes with sputtered indium-tin-oxide electrodes. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 1838-1841	7.1	46
120	Efficient vacuum-free-processed quantum dot light-emitting diodes with printable liquid metal cathodes. <i>Nanoscale</i> , <b>2016</b> , 8, 17765-17773	7.7	45
119	Top-emitting white organic light-emitting diodes with a color conversion cap layer. <i>Organic Electronics</i> , <b>2011</b> , 12, 677-681	3.5	44

118	Platinum(II) cyclometallates featuring broad emission bands and their applications in color-tunable OLEDs and high color-rendering WOLEDs. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6016-6026	7.1	44
117	Thermally activated delayed fluorescence material with aggregation-induced emission properties for highly efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2873-2881	7.1	43
116	The synthesis of novel AIE emitters with the triphenylethene-carbazole skeleton and para-/meta-substituted arylboron groups and their application in efficient non-doped OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 1228-1237	7.1	41
115	Non-doped white organic light-emitting diodes based on aggregation-induced emission. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 095101	3	38
114	Selective wetting/dewetting for controllable patterning of liquid metal electrodes for all-printed device application. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 12378-12383	7.1	35
113	Aggregation-Induced Delayed Fluorescence Luminogens with Accelerated Reverse Intersystem Crossing for High-Performance OLEDs <b>2019</b> , 1, 613-619		35
112	Systemic studies of tetraphenylethene-triphenylamine oligomers and a polymer: achieving both efficient solid-state emissions and hole-transporting capability. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 9929-38	4.8	35
111	Efficient and Color Stable White Quantum-Dot Light-Emitting Diodes with External Quantum Efficiency Over 23%. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800354	8.1	35
110	Steric, conjugation and electronic impacts on the photoluminescence and electroluminescence properties of luminogens based on phosphindole oxide. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1836-1842	7.1	34
109	Crafting NPB with tetraphenylethene: a win-win strategy to create stable and efficient solid-state emitters with aggregation-induced emission feature, high hole-transporting property and efficient electroluminescence. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 3756-3761	7.1	34
108	. <i>IEEE Electron Device Letters</i> , <b>2015</b> , 36, 369-371	4.4	32
107	Tuning the electronic nature of aggregation-induced emission chromophores with enhanced electron-transporting properties. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 5184		31
106	Fabrication of color tunable organic light-emitting diodes by an alignment free mask patterning method. <i>Organic Electronics</i> , <b>2013</b> , 14, 2001-2006	3.5	29
105	High-Performance CsPb1-xSnxBR3 Perovskite Quantum Dots for Light-Emitting Diodes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13838-13842	3.6	29
104	Dimesitylboryl-functionalized tetraphenylethene derivatives: efficient solid-state luminescent materials with enhanced electron-transporting ability for nondoped OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 5241-5247	7.1	29
103	Smart Design on the Cyclometalated Ligands of Iridium(III) Complexes for Facile Tuning of Phosphorescence Color Spanning from Deep-Blue to Near-Infrared. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800824	8.1	28
102	Efficient red AIEgens based on tetraphenylethene: synthesis, structure, photoluminescence and electroluminescence. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5900-5907	7.1	27
101	High-efficiency and high-contrast phosphorescent top-emitting organic light-emitting devices with p-type Si anodes. <i>Optics Express</i> , <b>2007</b> , 15, 14644-9	3.3	27

100	Stabilizing n-type hetero-junctions for NiOx based inverted planar perovskite solar cells with an efficiency of 21.6%. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 1865-1874	13	27
99	A low-temperature-annealed and UV-ozone-enhanced combustion derived nickel oxide hole injection layer for flexible quantum dot light-emitting diodes. <i>Nanoscale</i> , <b>2019</b> , 11, 1021-1028	7.7	26
98	Efficient deep blue electroluminescence with CIEy ? (0.050.07) from phenanthroimidazole-cridine derivative hybrid fluorophores. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 9363-9373	7.1	26
97	Aggregation-Induced Delayed Fluorescence Luminogens for Efficient Organic Light-Emitting Diodes. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 828-835	4.5	26
96	Performance of Inverted Quantum Dot Light-Emitting Diodes Enhanced by Using Phosphorescent Molecules as Exciton Harvesters. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 4667-4672	3.8	25
95	An ZnMgO:PVP inorganic-organic hybrid electron transport layer: towards efficient bottom-emission and transparent quantum dot light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 2291-2298	7.1	24
94	Naphthalene-substituted 2,3,4,5-tetraphenylsiloles: synthesis, structure, aggregation-induced emission and efficient electroluminescence. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 20266		24
93	3,4-Donor- and 2,5-acceptor-functionalized dipolar siloles: synthesis, structure, photoluminescence and electroluminescence. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4867-4874	7.1	22
92	Rational design of high efficiency green to deep red/near-infrared emitting materials based on isomeric donor-acceptor chromophores. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 1880-1887	7.1	22
91	Enlarged tetrasubstituted alkenes with enhanced thermal and optoelectronic properties. <i>Chemical Communications</i> , <b>2013</b> , 49, 7216-8	5.8	22
90	Improving blue quantum dot light-emitting diodes by a lithium fluoride interfacial layer. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 071101	3.4	21
89	Full color quantum dot light-emitting diodes patterned by photolithography technology. <i>Journal of the Society for Information Display</i> , <b>2018</b> , 26, 121-127	2.1	21
88	Full color organic electroluminescent display with shared blue light-emitting layer for reducing one fine metal shadow mask. <i>Organic Electronics</i> , <b>2012</b> , 13, 31-35	3.5	21
87	Growth methods, enhanced photoluminescence, high hydrophobicity and light scattering of 4,4'-bis(1,2,2-triphenylvinyl)biphenyl nanowires. <i>Organic Electronics</i> , <b>2012</b> , 13, 1996-2002	3.5	21
86	All solution-processed white quantum-dot light-emitting diodes with three-unit tandem structure. <i>Journal of the Society for Information Display</i> , <b>2017</b> , 25, 143-150	2.1	20
85	Suppressing Förster Resonance Energy Transfer in Close-Packed Quantum-Dot Thin Film: Toward Efficient Quantum-Dot Light-Emitting Diodes with External Quantum Efficiency over 21.6%. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1902092	8.1	20
84	Structural features and optical properties of a carbazole-containing ethene as a highly emissive organic solid. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1004-1009	7.1	19
83	Aggregation-enhanced emission and through-space conjugation of tetraarylethanes and folded tetraarylethenes. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 9316-9324	7.1	19

82	Improved Efficiency and Enhanced Color Quality of Light-Emitting Diodes with Quantum Dot and Organic Hybrid Tandem Structure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26982-26988	9.5	19
81	A new blue AIEgen based on tetraphenylethene with multiple potential applications in fluorine ion sensors, mechanochromism, and organic light-emitting diodes. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 4089-4094	3.6	18
80	Alleviate microcavity effects in top-emitting white organic light-emitting diodes for achieving broadband and high color rendition emission spectra. <i>Organic Electronics</i> , <b>2011</b> , 12, 2065-2070	3.5	18
79	Luminescent tetraphenylethene-substituted silanes. <i>Pure and Applied Chemistry</i> , <b>2010</b> , 82, 863-870	2.1	18
78	Tetraphenylbenzsilole: An AIE Building Block for Deep-Blue Emitters with High Performance in Nondoped Spin-Coating OLEDs. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 158-167	4.2	18
77	Synthesis, aggregation-induced emission and electroluminescence properties of a novel compound containing tetraphenylethene, carbazole and dimesitylboron moieties. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9095-9102	7.1	17
76	Understanding the Interplay of Binary Organic Spacer in Ruddlesden-Popper Perovskites toward Efficient and Stable Solar Cells. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907759	15.6	17
75	A Facile Approach to Highly Efficient and Thermally Stable Solid-State Emitters: Knitting up AIE-Active TPE Luminogens by Aryl Linkers. <i>ChemPlusChem</i> , <b>2012</b> , 77, 949-958	2.8	17
74	One-step fabrication of organic nanoparticles as scattering media for extracting substrate waveguide light from organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13386		17
73	Effect and mechanism of encapsulation on aging characteristics of quantum-dot light-emitting diodes. <i>Nano Research</i> , <b>2021</b> , 14, 320-327	10	17
72	All-Inorganic Quantum-Dot Light-Emitting Diodes with Reduced Exciton Quenching by a MgO Decorated Inorganic Hole Transport Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 11119-11124	9.5	16
71	Less-Lead Control toward Highly Efficient Formamidinium-Based Perovskite Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24242-24248	9.5	15
70	Enhancing the Performance of Quantum-Dot Light-Emitting Diodes by Postmetallization Annealing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23218-23224	9.5	15
69	Flexible and tandem quantum-dot light-emitting diodes with individually addressable red/green/blue emission. <i>Npj Flexible Electronics</i> , <b>2021</b> , 5,	10.7	15
68	Electric Bias Induced Degradation in Organic-Inorganic Hybrid Perovskite Light-Emitting Diodes. <i>Scientific Reports</i> , <b>2018</b> , 8, 15799	4.9	15
67	The synthesis, crystal structures, aggregation-induced emission and electroluminescence properties of two novel green-yellow emitters based on carbazole-substituted diphenylethene and dimesitylboron. <i>Organic Electronics</i> , <b>2016</b> , 33, 78-87	3.5	14
66	Photo-/electro-luminescence enhancement of CsPbX <sub>3</sub> (X = Cl, Br, or I) perovskite quantum dots via thiocyanate surface modification. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 1065-1071	7.1	14
65	Achieving High-Performance Solution-Processed Deep-Red/Near-Infrared Organic Light-Emitting Diodes with a Phenanthroline-Based and Wedge-Shaped Fluorophore. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800677	6.4	14

64	ZnSe:Te/ZnSeS/ZnS nanocrystals: an access to cadmium-free pure-blue quantum-dot light-emitting diodes. <i>Nanoscale</i> , <b>2020</b> , 12, 11556-11561	7.7	12
63	From a fluorescent chromophore in solution to an efficient emitter in the solid state. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 2424-8	4.5	12
62	Identification of excess charge carriers in InP-based quantum-dot light-emitting diodes. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 053502	3.4	12
61	Recent progress in the device architecture of white quantum-dot light-emitting diodes. <i>Journal of Information Display</i> , <b>2019</b> , 20, 169-180	4.1	11
60	Bi-layer non-doped small-molecular white organic light-emitting diodes with high colour stability. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 145101	3	11
59	Thermal assisted up-conversion electroluminescence in quantum dot light emitting diodes.. <i>Nature Communications</i> , <b>2022</b> , 13, 369	17.4	11
58	Highly Luminescent CsPbBr@CsPbBr Nanocrystals and Their Application in Electroluminescent Emitters. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 10196-10202	6.4	11
57	Tuning the AIE Activities and Emission Wavelengths of Tetraphenylethene-Containing Luminogens. <i>ChemistrySelect</i> , <b>2016</b> , 1, 812-818	1.8	11
56	Synthesis, aggregation-induced emission and electroluminescence properties of three new phenylethylene derivatives comprising carbazole and (dimesitylboranyl)phenyl groups. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 11741-11750	7.1	10
55	Top-emitting organic light-emitting diodes integrated with thermally evaporated scattering film for reducing angular dependence of emission spectra. <i>Organic Electronics</i> , <b>2015</b> , 24, 195-199	3.5	10
54	High-efficiency organic electroluminescent materials based on the DAD type with sterically hindered methyl groups. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 6851-6860	7.1	10
53	Construction of two AIE luminogens comprised of a tetra-/tri-phenylethene core and carbazole units for non-doped organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2018</b> , 149, 323-330	4.6	10
52	The influence of the hole transport layers on the performance of blue and color tunable quantum dot light-emitting diodes. <i>Journal of the Society for Information Display</i> , <b>2018</b> , 26, 470-476	2.1	10
51	A Low-Cost Nano-modified Substrate Integrating both Internal and External Light Extractors for Enhancing Light Out-Coupling in Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 418-422	8.1	10
50	Tetrafluorinated phenylpyridine based heteroleptic iridium(III) complexes for efficient sky blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 2551-2557	7.1	9
49	Alternating-current driven quantum-dot light-emitting diodes with high brightness. <i>Nanoscale</i> , <b>2019</b> , 11, 5231-5239	7.7	9
48	New carbazole-substituted siloles for the fabrication of efficient non-doped OLEDs. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 592-596	8.1	9
47	ZnO:H indium-free transparent conductive electrodes for active-matrix display applications. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 223304	3.4	8



46	Enhanced conductivity of transparent and flexible silver nanowire electrodes fabricated by a solution-processed method at room temperature. <i>Thin Solid Films</i> , <b>2017</b> , 624, 54-60	2.2	7
45	Two novel phenylethene-carbazole derivatives containing dimesitylboron groups: Aggregation-induced emission and electroluminescence properties. <i>Dyes and Pigments</i> , <b>2016</b> , 128, 304-313	4.6	7
44	Investigation of Exciton Recombination Zone in Quantum Dot Light-Emitting Diodes Using a Fluorescent Probe. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27809-27816	9.5	7
43	P-9: Parylene / Al <sub>2</sub> O <sub>3</sub> Double Layer Passivated Amorphous InGaZnO Thin-Film Transistors. <i>Digest of Technical Papers SID International Symposium</i> , <b>2017</b> , 48, 1258-1261	0.5	7
42	He plasma treatment of transparent conductive ZnO thin films. <i>Applied Surface Science</i> , <b>2015</b> , 355, 702-705	7.5	6
41	Nanocrystallized Organic Thin Films as Effective Light Outcoupling Layers for Organic Light-Emitting Diodes. <i>Israel Journal of Chemistry</i> , <b>2014</b> , 54, 847-854	3.4	5
40	Ultrahigh Resolution Pixelated Top-Emitting Quantum-Dot Light-Emitting Diodes Enabled by Color-Converting Cavities.. <i>Small Methods</i> , <b>2022</b> , 6, e2101090	12.8	5
39	Synthesis, crystal structure, aggregation-induced emission (AIE) and electroluminescence properties of a novel emitting material based on pyrrolo[3,2-b]pyrrole. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 14208-14218	7.1	5
38	13-3: Top-emitting Quantum-dot Light-emitting Diodes with all the p-i-n Functional Layers Deposited by Solution Processes. <i>Digest of Technical Papers SID International Symposium</i> , <b>2017</b> , 48, 161-164	0.5	4
37	High performance top-emitting quantum dot light-emitting diodes with interfacial modification. <i>AIP Advances</i> , <b>2020</b> , 10, 065308	1.5	4
36	20.3: Optimizing the Balance of Holes and Electrons in Inverted Quantum Dot Light-Emitting Diodes by Inserting Electron Transportation Barrier Layer. <i>Digest of Technical Papers SID International Symposium</i> , <b>2015</b> , 46, 274-277	0.5	4
35	Laminated low-melting-point-alloy electrodes for vacuum-free-processed quantum-dot light-emitting-diodes. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 063302	3.4	4
34	P-113: Color Filter Pixel Arrangement for Improving the Color Gamut of AMOLED Microdisplay. <i>Digest of Technical Papers SID International Symposium</i> , <b>2012</b> , 43, 1484-1487	0.5	3
33	P-165: Efficient RGBW OLEDs Based on 4,4'-Bis(1,2,2-triphenylvinyl) biphenyl. <i>Digest of Technical Papers SID International Symposium</i> , <b>2010</b> , 41, 1867	0.5	3
32	High throughput screening of novel tribromide perovskite materials for high-photovoltage solar cells. <i>Journal of Materials Chemistry A</i> ,	13	3
31	New phosphorescent iridium(III) dipyrinato complexes: synthesis, emission properties and their deep red to near-infrared OLEDs. <i>Dalton Transactions</i> , <b>2021</b> , 50, 10629-10639	4.3	3
30	The influence of H <sub>2</sub> O and O <sub>2</sub> on the optoelectronic properties of inverted quantum-dot light-emitting diodes. <i>Nano Research</i> , <b>2021</b> , 14, 4140	10	3
29	Cadmium-Doped Zinc Sulfide Shell as a Hole Injection Springboard for Red, Green, and Blue Quantum Dot Light-Emitting Diodes.. <i>Advanced Science</i> , <b>2022</b> , e2104488	13.6	3

28	P-115: Distinguished Student Paper: All Solution-Processed White Quantum-Dot Light-Emitting Diodes with Three-Unit Tandem Structure. <i>Digest of Technical Papers SID International Symposium</i> , <b>2017</b> , 48, 1691-1694	0.5	2
27	Synthesis, aggregation-induced emission, and electroluminescence properties of a novel emitter comprising tetraphenylethene and carbazole moieties. <i>Synthetic Metals</i> , <b>2016</b> , 220, 356-361	3.6	2
26	High-contrast top-emitting organic light-emitting diodes with AlO <sub>1.086</sub> dark-and-conductive electrodes. <i>Organic Electronics</i> , <b>2014</b> , 15, 3552-3557	3.5	2
25	Efficient and Stable Quantum-Dot Light-Emitting Diodes Enabled by Tin Oxide Multifunctional Electron Transport Layer. <i>Advanced Optical Materials</i> , 2102404	8.1	2
24	73-4: Tandem Red Quantum-Dot Light-Emitting Diodes with External Quantum Efficiency over 34 %. <i>Digest of Technical Papers SID International Symposium</i> , <b>2018</b> , 49, 977-980	0.5	2
23	P-117: Inverted Quantum Dot Light-Emitting Diodes with MgZnO Modified Electron Transport Layer. <i>Digest of Technical Papers SID International Symposium</i> , <b>2017</b> , 48, 1699-1701	0.5	1
22	Light-Emitting Diodes: Over 100 cd A <sup>-1</sup> Efficient Quantum Dot Light-Emitting Diodes with Inverted Tandem Structure (Adv. Funct. Mater. 21/2017). <i>Advanced Functional Materials</i> , <b>2017</b> , 27,	15.6	1
21	47-4: Aging Behaviors of QLED with Different Structures. <i>Digest of Technical Papers SID International Symposium</i> , <b>2019</b> , 50, 656-659	0.5	1
20	Improving charge balance in quantum-dot light-emitting diodes by using copper cathode. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2016</b> , 213, 2371-2374	1.6	1
19	Enhanced interference using microcavity structure for accurate thin film thickness measurement. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2015</b> , 212, 2718-2721	1.6	1
18	Light Extraction: A Low-Cost Nano-modified Substrate Integrating both Internal and External Light Extractors for Enhancing Light Out-Coupling in Organic Light-Emitting Diodes (Advanced Optical Materials 5/2014). <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 502-502	8.1	1
17	P-140: Hybrid Analog-Digital Driving Method for High Definition AMOLED. <i>Digest of Technical Papers SID International Symposium</i> , <b>2014</b> , 45, 1514-1517	0.5	1
16	Synthesis, characterization, and optoelectronic properties of phenothiazine-based organic co-poly-ynes. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 15082-15095	3.6	1
15	Iridium(III) complexes with 1-phenylisoquinoline-4-carbonitrile units for efficient NIR organic light-emitting diodes. <i>IScience</i> , <b>2021</b> , 24, 102911	6.1	1
14	Blue OLEDs with narrow bandwidth using CF <sub>3</sub> substituted bis((carbazol-9-yl)phenyl)amines as emitters: Structural regulation of linker between donor and acceptor in chromophores. <i>Dyes and Pigments</i> , <b>2021</b> , 194, 109627	4.6	1
13	Quantum-dot and organic hybrid tandem light-emitting diodes with color-selecting intermediate electrodes for full-color displays. <i>Nanoscale</i> , <b>2021</b> , 13, 16781-16789	7.7	1
12	51-4: QLED-on-Silicon Microdisplays. <i>Digest of Technical Papers SID International Symposium</i> , <b>2020</b> , 51, 758-761	0.5	1
11	Al reaction-induced conductive a-InGaZnO as pixel electrode for active-matrix quantum-dot LED display. <i>IEEE Electron Device Letters</i> , <b>2022</b> , 1-1	4.4	0

- 10 P-120: Over 60 cd/A Efficient Vacuum-free-processed Green Quantum Dot Light-Emitting Diodes for Next Generation Displays. *Digest of Technical Papers SID International Symposium, 2017*, 48, 1708-1710<sup>0.5</sup>
- 9 P-114: White and Top-Emitting Quantum-Dot Light-Emitting Diodes with Indium-Tin-Oxide Top Electrodes. *Digest of Technical Papers SID International Symposium, 2019*, 50, 1677-1680 0.5
- 8 Recent Progress in Vibration Energy Recovery Devices and Methods. *Recent Patents on Mechanical Engineering, 2018*, 11, 24-30 0.3
- 7 Paper No P12: Transparent Conductive Electrode Based on Hydrogen Doped Zinc Oxide for OLED Application. *Digest of Technical Papers SID International Symposium, 2015*, 46, 79-79 0.5
- 6 P-144: Organic Light-Emitting Diodes Fabricated on Nanostructured AZO: A Low-Cost Way towards Enhanced Light Extraction for Large Area Lighting Application. *Digest of Technical Papers SID International Symposium, 2014*, 45, 1526-1529 0.5
- 5 Ultrahigh Resolution Pixelated Top-Emitting Quantum-Dot Light-Emitting Diodes Enabled by Color-Converting Cavities (Small Methods 1/2022). *Small Methods, 2022*, 6, 2270002 12.8
- 4 P-88: Transparent Quantum Dot Light-Emitting Diodes with Sputtered ITO Electrodes. *Digest of Technical Papers SID International Symposium, 2016*, 47, 1455-1457 0.5
- 3 A very dark-and-conductive electrode based on Mo/MoOx/ITO structure. *Applied Surface Science, 2016*, 384, 348-352 6.7
- 2 37.1: Invited Paper: Efficient and Ultra-Bright Quantum-Dot Light-Emitting Diodes. *Digest of Technical Papers SID International Symposium, 2021*, 52, 257-257 0.5
- 1 73-3: Distinguished Student Paper: Full Color Quantum Dot Light-Emitting Diodes Patterned by Photolithography Technology. *Digest of Technical Papers SID International Symposium, 2018*, 49, 973-976<sup>0.5</sup>