

Jwo-Huei Jou

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.

190
papers

4,255
citations

35
h-index

55
g-index

205
ext. papers

4,869
ext. citations

4.3
avg, IF

5.64
L-index

#	Paper	IF	Citations
190	Phenanthroimidazole substituted imidazo[1,2-a]pyridine derivatives for deep-blue electroluminescence with CIEy ₁ -D.08. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 423, 113600	4.7	4
189	Electroluminescent Aggregation-Induced Emission-Active Discotic Liquid Crystals Based on Alkoxy Cyanostilbene-Functionalized Benzenetricarboxamide with Ambipolar Charge Transport. <i>ACS Applied Electronic Materials</i> , 2022 , 4, 1163-1174	4	1
188	Ambient bright lighting in the morning improves sleep disturbances of older adults with dementia. <i>Sleep Medicine</i> , 2021 , 89, 1-9	4.6	3
187	Functional Pyrene-Pyridine-Integrated Hole-Transporting Materials for Solution-Processed OLEDs with Reduced Efficiency Roll-Off. <i>ACS Omega</i> , 2021 , 6, 10515-10526	3.9	1
186	Molecular Engineering for the Development of a Discotic Nematic Mesophase and Solid-State Emitter in Deep-Blue OLEDs. <i>Journal of Organic Chemistry</i> , 2021 , 86, 7256-7262	4.2	2
185	Through Positional Isomerism: Impact of Molecular Composition on Enhanced Triplet Harvest for Solution-Processed OLED Efficiency Improvement. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2317-2332	4	3
184	High-Throughput Virtual Screening of Host Materials and Rational Device Engineering for Highly Efficient Solution-Processed Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26204-26217	9.5	6
183	Modification effect of hole injection layer on efficiency performance of wet-processed blue organic light emitting diodes. <i>Organic Electronics</i> , 2021 , 92, 106084	3.5	2
182	Configuring device architecture with new solution-processable host for high performance low color-temperature OLEDs with ultra-low driving voltage. <i>Organic Electronics</i> , 2021 , 93, 106127	3.5	0
181	Tuning photophysical and electroluminescent properties of phenanthroimidazole decorated carbazoles with donor and acceptor units: Beneficial role of cyano substitution. <i>Dyes and Pigments</i> , 2021 , 184, 108830	4.6	11
180	Novel imidazole-alkyl spacer-carbazole based fluorophores for deep-blue organic light emitting diodes: Experimental and theoretical investigation. <i>Dyes and Pigments</i> , 2021 , 185, 108853	4.6	11
179	Efficient solution-processed deep-blue CIEy ₁ ? (0.05) and pure-white CIEx ₁ ,y ₁ ? (0.34, 0.32) organic light-emitting diodes: experimental and theoretical investigation. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4935-4947	7.1	14
178	Easily synthesized and cheap carbazole- or phenoxazine-based hosts for efficient yellow phosphorescent OLEDs. <i>Optical Materials</i> , 2021 , 118, 111251	3.3	2
177	Effect of Cyano on the Functional Properties of Phenanthroimidazole-Substituted Carbazole Derivatives. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 3876-3888	4	4
176	Heteroleptic Zinc(II) complex based stable solution-processed organic electroluminescent diodes. <i>Optical Materials</i> , 2021 , 119, 111305	3.3	0
175	Imidazo[1,2-a]pyridine based deep-blue emitter: effect of donor on the optoelectronic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 26838	2.1	1
174	Wet process feasible novel fluorene-based molecular hole transporting layer for phosphorescent organic light emitting diodes. <i>Optical Materials</i> , 2021 , 120, 111410	3.3	1

173	Blue-hazard free candlelight-style tandem organic light-emitting diode. <i>Organic Electronics</i> , 2021 , 98, 106294	3.5	0
172	Effect of positional isomerism on the functional properties of carbazole-phenanthroimidazole-triphenylamine triads. <i>Dyes and Pigments</i> , 2021 , 196, 109744	4.6	2
171	Deep-blue emitters (CIEy ~0.07) based on phenanthroimidazole: Remarkable substitution effects at the N1 position of imidazole on the excited states and electroluminescence properties. <i>Dyes and Pigments</i> , 2021 , 196, 109791	4.6	8
170	Organic lighting devices are plausibly more vulnerable to oxygen than moisture. <i>Organic Electronics</i> , 2021 , 99, 106333	3.5	1
169	Corrigendum to Blue-hazard free candlelight-style tandem organic light-emitting diode <i>Organic Electronics</i> , 2021 , 99, 106336	3.5	
168	Highly Efficient Candlelight Organic Light-Emitting Diode with a Very Low Color Temperature.. <i>Molecules</i> , 2021 , 26,	4.8	2
167	Pilot Study of the Effects of Bright Ambient Therapy on Dementia Symptoms and Cognitive Function.. <i>Frontiers in Psychology</i> , 2021 , 12, 782160	3.4	2
166	Nanocomposite Electron-Transport Layer Incorporated Highly Efficient OLED. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1545-1553	4	6
165	Role of Molecular Orbital Energy Levels in OLED Performance. <i>Scientific Reports</i> , 2020 , 10, 9915	4.9	29
164	Synthesis and characterization of multi-substituted carbazole derivatives exhibiting aggregation-induced emission for OLED applications. <i>Organic Electronics</i> , 2020 , 86, 105864	3.5	12
163	Surface plasmon-enhanced solution-processed phosphorescent organic light-emitting diodes by incorporating gold nanoparticles. <i>Nanotechnology</i> , 2020 , 31, 295204	3.4	2
162	Triphenylamine-imidazole-based luminophores for deep-blue organic light-emitting diodes: experimental and theoretical investigations. <i>Materials Advances</i> , 2020 , 1, 666-679	3.3	16
161	Fluorene based amorphous hole transporting materials for solution processed organic light-emitting diodes. <i>Organic Electronics</i> , 2020 , 79, 105633	3.5	11
160	Solution-processed hybrid hosts: a way to explore high triplet energy with admirable current and power efficiency without outcoupling techniques for phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 228-239	7.1	7
159	Unveiling the mythical candles. <i>Building and Environment</i> , 2020 , 169, 106565	6.5	2
158	Efficient near ultraviolet emissive (CIEy <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16834-16844	7.1	11
157	P-164: Enabling High Performance Organic Light Emitting Diode with Novel Bi-carbazole Host. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 2005-2008	0.5	
156	AIE-active mechanoluminescent discotic liquid crystals for applications in OLEDs and bio-imaging. <i>Chemical Communications</i> , 2020 , 56, 14279-14282	5.8	19

155	Liquid Exfoliation of Decagonal Quasicrystals and Its Light Out-Coupling Performance in Organic Light-Emitting Devices. <i>Advanced Photonics Research</i> , 2020 , 1, 2000042	1.9	1
154	High-performing DAD benzothiadiazole-based hybrid local and charge-transfer emitters in solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 17009-17015	7.1	9
153	Asymmetrically 2,7-difunctionalized carbazole-based donor-acceptor hybrids for deep blue electroluminescence applications. <i>Optical Materials</i> , 2020 , 108, 110159	3.3	5
152	Room temperature perylene based columnar liquid crystals as solid-state fluorescent emitters in solution-processable organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 12485-12494 ¹	7.1	17
151	Fine-Tuning the Physicochemical and Electroluminescence Properties of Multiply-Substituted Bipolar Carbazoles by Functional Group Juggling. <i>ChemPhotoChem</i> , 2020 , 4, 5364-5375	3.3	1
150	Highly-efficient solution-processed deep-red organic light-emitting diodes based on heteroleptic Ir(III) complexes with effective heterocyclic Schiff base as ancillary ligand. <i>Organic Electronics</i> , 2020 , 86, 105885	3.5	7
149	Approaches for Long Lifetime Organic Light Emitting Diodes. <i>Advanced Science</i> , 2020 , 8, 2002254	13.6	45
148	Room-Temperature Columnar Liquid Crystalline Materials Based on Pyrazino[2,3-g]quinoxaline for Bright Green Organic Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 1959-1969	4	10
147	Room-Temperature Columnar Liquid Crystals as Efficient Pure Deep-Blue Emitters in Organic Light-Emitting Diodes with an External Quantum Efficiency of 4.0. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8291-8300	9.5	25
146	Plausible degradation mechanisms in organic light-emitting diodes. <i>Organic Electronics</i> , 2019 , 67, 222-233 ⁵	3.5	8
145	A thermally cross-linkable hole-transporting small-molecule for efficient solution-processed organic light emitting diodes. <i>Organic Electronics</i> , 2019 , 73, 94-101	3.5	10
144	P-145: Blue Light Hazards and Methods of Quantification. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 1771-1774	0.5	1
143	Synthesis of Solution-Processable Donor-Acceptor Pyranone Dyads for White Organic Light-Emitting Devices. <i>Journal of Organic Chemistry</i> , 2019 , 84, 7674-7684	4.2	14
142	P-210: Late-News Poster: Efficient Solution-Processed White Organic Light Emitting Diodes Based on a Novel Carbazole Blue Fluorescent Emitter. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 1957-1960	0.5	
141	Near UV/Deep-Blue Phenanthroimidazole-Based Luminophores for Organic Light-Emitting Diodes: Experimental and Theoretical Investigation. <i>ChemistrySelect</i> , 2019 , 4, 6458-6468	1.8	18
140	Hole-transporting materials for organic light-emitting diodes: an overview. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7144-7158	7.1	92
139	Naphthalimide end-capped diphenylacetylene: a versatile organic semiconductor for blue light emitting diodes and a donor or an acceptor for solar cells. <i>New Journal of Chemistry</i> , 2019 , 43, 9243-9254 ⁴	2.6	8
138	Solution process feasible highly efficient white organic light emitting diode. <i>Organic Electronics</i> , 2019 , 69, 232-240	3.5	25

137	Room temperature discotic liquid crystalline triphenylene-pentaalkynylbenzene dyads as an emitter in blue OLEDs and their charge transfer complexes with ambipolar charge transport behaviour. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5724-5738	7.1	25
136	Highly-Efficient Solution-Processed Organic Light Emitting Diodes with Blend V2O5-PEDOT:PSS Hole-Injection/Hole-Transport Layer. <i>MRS Advances</i> , 2019 , 4, 1779-1786	0.7	3
135	Solution Process Feasible Highly Efficient Organic Light Emitting Diode with Hybrid Metal Oxide Based Hole Injection/Transport Layer. <i>MRS Advances</i> , 2019 , 4, 1801-1809	0.7	4
134	High efficiency color-temperature tunable organic light-emitting diode. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 15322-15334	7.1	13
133	Synthesis, photophysical, theoretical and electroluminescence study of triphenylamine-imidazole based blue fluorophores for solution-processed organic light emitting diodes. <i>Dyes and Pigments</i> , 2019 , 160, 944-956	4.6	28
132	Back Migration Based Long Lifetime Approach for Organic Light-Emitting Diode. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1800390	1.6	
131	Polarity tuning of fluorene derivatives by chromophores to achieve efficient blue electroluminescent materials. <i>Organic Electronics</i> , 2019 , 64, 266-273	3.5	11
130	Crosslinkable hole-transporting small molecule as a mixed host for efficient solution-processed red organic light emitting diodes. <i>Thin Solid Films</i> , 2018 , 660, 956-960	2.2	12
129	Simple carbazole based deep-blue emitters: The effect of spacer, linkage and end-capping cyano group on the photophysical and electroluminescent properties. <i>Dyes and Pigments</i> , 2018 , 151, 310-320	4.6	11
128	Highly efficient deep-blue organic light emitting diode with a carbazole based fluorescent emitter. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 04FL08	1.4	14
127	Simple-structured efficient white organic light emitting diode via solution process. <i>Microelectronics Reliability</i> , 2018 , 83, 293-296	1.2	12
126	Tuning the Photophysical and Electroluminescence Properties in Asymmetrically Tetrasubstituted Bipolar Carbazoles by Functional Group Disposition. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24013-24027	9.5	35
125	Enabling High-Efficiency Organic Light-Emitting Diode with Trifunctional Solution-Processable Copper(I) Thiocyanate. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 18836-18840	3.8	16
124	An Approach for Measuring the Dielectric Strength of OLED Materials. <i>Materials</i> , 2018 , 11,	3.5	2
123	Deep-Blue OLED Fabrication from Heptazine Columnar Liquid Crystal Based AIE-Active Sky-Blue Emitter. <i>ChemistrySelect</i> , 2018 , 3, 7771-7777	1.8	22
122	High light-quality OLEDs with a wet-processed single emissive layer. <i>Scientific Reports</i> , 2018 , 8, 7133	4.9	10
121	Carrier Mobility Effect of Electron Transporting Layer on OLED Performance 2018 ,		1
120	Highly twisted tetra-N-phenylbenzidine-phenanthroimidazole based derivatives for blue organic light emitting diodes: Experimental and theoretical investigation. <i>Organic Electronics</i> , 2018 , 62, 419-428	3.5	16

119	Molecule-based monochromatic and polychromatic OLEDs with wet-process feasibility. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11492-11518	7.1	39
118	Vinyl-Linked Cyanocarbazole-Based Emitters: Effect of Conjugation and Terminal Chromophores on the Photophysical and Electroluminescent Properties. <i>ACS Omega</i> , 2018 , 3, 16477-16488	3.9	8
117	Enabling a 6.5% External Quantum Efficiency Deep-Blue Organic Light-Emitting Diode with a Solution-Processable Carbazole-Based Emitter. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 24295-24303	3.8	18
116	Blue Luminescent Organic Light Emitting Diode Devices of a New Class of Star-Shaped Columnar Mesogens Exhibiting Driven Supergelation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23659-23674	3.8	20
115	Cyano-functionalized carbazole substituted pyrene derivatives for promising organic light-emitting diodes. <i>Dyes and Pigments</i> , 2018 , 158, 295-305	4.6	10
114	Effect of dielectric character of electron transporting materials on the performance of organic light-emitting diodes. <i>MRS Advances</i> , 2018 , 3, 3445-3451	0.7	2
113	Tetra-substituted Dipolar Carbazoles: Tuning Optical and Electroluminescence Properties by Linkage Variation. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1654-1666	3	6
112	High efficiency yellow organic light-emitting diodes with a solution-process feasible iridium based emitter. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5478-5486	7.1	13
111	P-214: Flexible White Organic Light Emitting Diode via Solution Process. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 2025-2027	0.5	8
110	Multi-substituted deep-blue emitting carbazoles: a comparative study on photophysical and electroluminescence characteristics. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 709-726	7.1	43
109	A new molecular design based on hybridized local and charge transfer fluorescence for highly efficient (>6%) deep-blue organic light emitting diodes. <i>Chemical Communications</i> , 2017 , 53, 11802-11805	5.8	58
108	Fine-Tuning of Photophysical and Electroluminescence Properties of Benzothiadiazole-Based Emitters by Methyl Substitution. <i>Journal of Organic Chemistry</i> , 2017 , 82, 11512-11523	4.2	25
107	Role of Voluminous Substituents in Controlling the Optical Properties of Disc/Planar-Like Small Organic Molecules: Toward Molecular Emission in Solid State. <i>ACS Omega</i> , 2017 , 2, 5348-5356	3.9	6
106	Manipulation of Donor-Acceptor Interactions in Carbazole-Based Emitters by Chromophore Choice To Achieve Near-UV Emission. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 6660-6670	3.2	17
105	Solution-processable naphthalene and phenyl substituted carbazole core based hole transporting materials for efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9854-9864	7.1	34
104	P-215: Definition and Design of a Good Light. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 1812-1813	0.5	2
103	Blue-hazard-free Candlelight OLED. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	7
102	Synthesis, characterization and electroluminescence of carbazole-benzimidazole hybrids with thiophene/phenyl linker. <i>Dyes and Pigments</i> , 2016 , 133, 132-142	4.6	21

101	Trend breaking substitution pattern of phenothiazine with acceptors as a rational design platform for blue emitters. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6769-6777	7.1	27
100	Thienylphenothiazine integrated pyrenes: an account on the influence of substitution patterns on their optical and electroluminescence properties. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 4246-4258	7.1	27
99	P-111: Healthy Light Sources for Lighting and Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 1547-1548	0.5	
98	Wet-process feasible candlelight OLED. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6070-6077	7.1	20
97	Approach for fabricating healthy OLED light sources with visual quality and energy-saving character. <i>Organic Electronics</i> , 2016 , 38, 396-400	3.5	12
96	Solution-Process-Feasible Deep-Red Phosphorescent Emitter. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 18794-18802	3.8	20
95	Phenothiazine decorated carbazoles: effect of substitution pattern on the optical and electroluminescent characteristics. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5812-23	4.2	55
94	Enabling a blue-hazard free general lighting based on candle light-style OLED. <i>Optics Express</i> , 2015 , 23, A576-81	3.3	16
93	A wet- and dry-process feasible carbazole type host for highly efficient phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12297-12307	7.1	37
92	Phenothiazine-based bipolar green-emitters containing benzimidazole units: synthesis, photophysical and electroluminescence properties. <i>RSC Advances</i> , 2015 , 5, 87416-87428	3.7	25
91	Deep-blue emitting pyreneBenzimidazole conjugates for solution processed organic light-emitting diodes. <i>RSC Advances</i> , 2015 , 5, 8727-8738	3.7	29
90	A wet and dry processable phosphorescent green dye based organic light-emitting diodes. <i>Dyes and Pigments</i> , 2015 , 113, 341-350	4.6	9
89	P-91: Enabling a Low Circadian Rhythm Impact Lighting on Basis of Candle Light Giving OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2015 , 46, 1498-1500	0.5	0
88	Plant Growth Absorption Spectrum Mimicking Light Sources. <i>Materials</i> , 2015 , 8, 5265-5275	3.5	22
87	Carrier modulation layer-enhanced organic light-emitting diodes. <i>Molecules</i> , 2015 , 20, 13005-30	4.8	30
86	OLEDs with Candle-Like Emission. <i>Information Display</i> , 2015 , 31, 23-27	0.8	
85	Pseudo-natural Light for Displays and Lighting. <i>Advanced Optical Materials</i> , 2015 , 3, 95-102	8.1	10
84	Enabling high-efficiency organic light-emitting diodes with a cross-linkable electron confining hole transporting material. <i>Organic Electronics</i> , 2015 , 24, 254-262	3.5	31

83	Approaches for fabricating high efficiency organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2974-3002	7.1	450
82	Highly efficient ultra-deep blue organic light-emitting diodes with a wet- and dry-process feasible cyanofluorene acetylene based emitter. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2182-2194	7.1	56
81	Candlelight style organic light-emitting diode: a plausibly human-friendly safe night light. <i>Journal of Photonics for Energy</i> , 2014 , 4, 043598	1.2	8
80	Wet-process feasible novel carbazole-type molecular host for high efficiency phosphorescent organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8707-8714	7.1	16
79	Artificial Dusk-Light Based on Organic Light Emitting Diodes. <i>ACS Photonics</i> , 2014 , 1, 27-31	6.3	33
78	Organic Light-Emitting Diode with Color Tunable between Bluish-White Daylight and Orange-White Dusk Hue. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-6	2.1	4
77	Materials, Designs, Fabrications, and Applications of Organic Electronic Devices. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-2	2.1	1
76	OLED Fabrication by Using a Novel Planar Evaporation Technique. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-8	2.1	
75	Enabling Lambertian-Like Warm White Organic Light-Emitting Diodes with a Yellow Phosphor Embedded Flexible Film. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-6	2.1	1
74	Highly Efficient Yellow Organic Light Emitting Diode with a Novel Wet- and Dry-Process Feasible Iridium Complex Emitter. <i>Advanced Functional Materials</i> , 2014 , 24, 555-562	15.6	60
73	A universal, easy-to-apply light-quality index based on natural light spectrum resemblance. <i>Applied Physics Letters</i> , 2014 , 104, 203304	3.4	21
72	High-Efficiency Wet- and Dry-Processed Green Organic Light Emitting Diodes with a Novel Iridium Complex-Based Emitter. <i>Advanced Optical Materials</i> , 2013 , 1, 657-667	8.1	36
71	Candle Light-Style Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2013 , 23, 2750-2757	15.6	100
70	Candle light-style OLED: a plausibly human-friendly safe night light 2013 ,		1
69	High efficiency yellow organic light emitting diodes with a balanced carrier injection co-host structure. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5110	7.1	19
68	Spirally configured cis-stilbene/fluorene hybrids as ambipolar, fluorescent materials for organic light emitting diode applications. <i>RSC Advances</i> , 2013 , 3, 9381	3.7	9
67	Using light-emitting dyes as a co-host to markedly improve efficiency roll-off in phosphorescent yellow organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 394-400	7.1	28
66	Synthesis, optical properties, and blue electroluminescence of fluorene derivatives containing multiple imidazoles bearing polyaromatic hydrocarbons. <i>Tetrahedron</i> , 2013 , 69, 2594-2602	2.4	29

65	OLEDs with chromaticity tunable between dusk-hue and candle-light. <i>Organic Electronics</i> , 2013 , 14, 47-54.5	3.0
64	High efficiency yellow organic light-emitting diodes with a solution-processed molecular host-based emissive layer. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1680	7.1 24
63	Highly efficient green organic light emitting diode with a novel solution processable iridium complex emitter. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4201	7.1 26
62	Pyrenoimidazole-based deep-blue-emitting materials: optical, electrochemical, and electroluminescent characteristics. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2111-24	4.5 47
61	High-efficiency low color temperature organic light emitting diodes with solution-processed emissive layer. <i>Organic Electronics</i> , 2012 , 13, 899-904	3.5 14
60	Organic light-emitting diode-based plausibly physiologically-friendly low color-temperature night light. <i>Organic Electronics</i> , 2012 , 13, 1349-1355	3.5 27
59	Pyrene-fluorene hybrids containing acetylene linkage as color-tunable emitting materials for organic light-emitting diodes. <i>Journal of Organic Chemistry</i> , 2012 , 77, 3921-32	4.2 82
58	Organic light-emitting diodes with direct contact-printed red, green, blue, and white light-emitting layers. <i>Applied Physics Letters</i> , 2012 , 101, 153304	3.4 6
57	Highly efficient color-temperature tunable organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8117	26
56	The use of a polarity matching and high-energy exciton generating host in fabricating efficient purplish-blue OLEDs from a sky-blue emitter. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15500	25
55	Enhancing P3HT/TiO ₂ Hybrid Photovoltaic Performance by Incorporating High Surface Potential Silica Nanodots into Hole Transport Layer. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1955-1960	3.8 10
54	High-efficiency host free deep-blue organic light-emitting diode with double carrier regulating layers. <i>Organic Electronics</i> , 2012 , 13, 2893-2897	3.5 11
53	Organic light-emitting diodes with roll-up character. <i>Journal of Photonics for Energy</i> , 2012 , 2, 021208	1.2 6
52	White Luminescent Polymers by Plasma Polymerized Iridium Complexes from 1,10-Phenanthroline. <i>Plasma Processes and Polymers</i> , 2012 , 9, 225-233	3.4 2
51	Materials, Devices, Fabrication, Characterization, and Applications for OLED Illumination and Display. <i>Advances in Materials Science and Engineering</i> , 2012 , 2012, 1-2	1.5 1
50	Highly efficient blue organic light-emitting diode with an oligomeric host having high triplet-energy and high electron mobility. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9546	45
49	One-step Fabrication of EConjugated Polymer Thin Films from Naphthalenes via Plasma Polymerization for Efficient Optoelectronic Devices: White Polymer Light-emitting Diodes. <i>Plasma Processes and Polymers</i> , 2011 , 8, 215-223	3.4 8
48	ToF-SIMS imaging of the nanoscale phase separation in polymeric light emitting diodes: effect of nanostructure on device efficiency. <i>Analyst, The</i> , 2011 , 136, 716-23	5 12

47	High efficiency low color-temperature organic light-emitting diodes with a blend interlayer. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17850		27
46	High-efficiency, very-high color rendering white organic light-emitting diode with a high triplet interlayer. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18523		38
45	Nearly non-roll-off high efficiency fluorescent yellow organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12613		26
44	Pure white organic light-emitting diode with lifetime approaching the longevity of yellow emitter. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3134-9	9.5	12
43	Molecular migration behaviors in organic light-emitting diodes with different host structures. <i>Organic Electronics</i> , 2011 , 12, 376-382	3.5	12
42	Efficient very-high color rendering index organic light-emitting diode. <i>Organic Electronics</i> , 2011 , 12, 865-868	3.5	86
41	Sunlight-style organic light-emitting diodes. <i>Journal of Photonics for Energy</i> , 2011 , 1, 011021	1.2	10
40	Highly efficient orange-red phosphorescent organic light-emitting diode using 2,7-bis(carbazol-9-yl)-9,9-ditolyfluorene as the host. <i>Applied Physics Letters</i> , 2010 , 96, 143306	3.4	39
39	High-efficiency blue organic light-emitting diodes using a 3,5-di(9H-carbazol-9-yl)tetraphenylsilane host via a solution-process. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8411		109
38	Highly efficient orange-red organic light-emitting diode using double emissive layers with stepwise energy-level architecture. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8464		24
37	Effect of fabrication parameters on three-dimensional nanostructures of bulk heterojunctions imaged by high-resolution scanning ToF-SIMS. <i>ACS Nano</i> , 2010 , 4, 833-40	16.7	43
36	Extraordinarily high efficiency improvement for OLEDs with high surface-charge polymeric nanodots. <i>ACS Nano</i> , 2010 , 4, 4054-60	16.7	29
35	High-efficiency flexible white organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6626		38
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33	P-200L: Late-News Poster: High-Efficiency, High Color Rendering White OLEDs with Five Emitters. <i>Digest of Technical Papers SID International Symposium</i> , 2010 , 41, 1902	0.5	1
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31	Effect of fabrication process on the microstructure and the efficiency of organic light-emitting diode. <i>Organic Electronics</i> , 2009 , 10, 459-464	3.5	29
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21	Efficient fluorescent white organic light-emitting diodes with blue-green host of di(4-fluorophenyl)amino-di(styryl)biphenyl. <i>Organic Electronics</i> , 2007 , 8, 29-36	3.5	20
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