

Jwo-Huei Jou

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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	Approaches for fabricating high efficiency organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2974-3002	7.1	450
189	High-efficiency white organic light-emitting devices with dual doped structure. <i>Applied Physics Letters</i> , 2002 , 80, 2782-2784	3.4	122
188	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
187	Sunlight-style color-temperature tunable organic light-emitting diode. <i>Applied Physics Letters</i> , 2009 , 95, 013307	3.4	103
186	Candle Light-Style Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2013 , 23, 2750-2757	15.6	100
185	Hole-transporting materials for organic light-emitting diodes: an overview. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7144-7158	7.1	92
184	Efficient very-high color rendering index organic light-emitting diode. <i>Organic Electronics</i> , 2011 , 12, 865-868	3.6	86
183	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
182	Long-lifetime, high-efficiency white organic light-emitting diodes with mixed host composing double emission layers. <i>Applied Physics Letters</i> , 2006 , 89, 243521	3.4	78
181	Efficient, color-stable fluorescent white organic light-emitting diodes with single emission layer by vapor deposition from solvent premixed deposition source. <i>Applied Physics Letters</i> , 2006 , 88, 193501	3.4	68
180	Solution-Processable, High-Molecule-Based Trifluoromethyl-Iridium Complex for Extraordinarily High Efficiency Blue-Green Organic Light-Emitting Diode. <i>Chemistry of Materials</i> , 2009 , 21, 2565-2567	9.6	65
179	Depth profiling of organic films with X-ray photoelectron spectroscopy using C60+ and Ar+ co-sputtering. <i>Analytical Chemistry</i> , 2008 , 80, 3412-5	7.8	61
178	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
177	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
176	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
175	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
174	Efficient, color-stable fluorescent white organic light-emitting diodes with an effective exciton-confining device architecture. <i>Organic Electronics</i> , 2006 , 7, 8-15	3.5	48

173	Pyrenimidazole-based deep-blue-emitting materials: optical, electrochemical, and electroluminescent characteristics. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2111-24	4.5	47
172	X-ray photoelectron spectrometry depth profiling of organic thin films using C60 sputtering. <i>Analytical Chemistry</i> , 2008 , 80, 501-5	7.8	46
171	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
170	Approaches for Long Lifetime Organic Light Emitting Diodes. <i>Advanced Science</i> , 2020 , 8, 2002254	13.6	45
169	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
168	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
167	Efficient pure-white organic light-emitting diodes with a solution-processed, binary-host employing single emission layer. <i>Applied Physics Letters</i> , 2006 , 88, 141101	3.4	43
166	White organic light-emitting devices with a solution-processed and molecular host-employed emission layer. <i>Applied Physics Letters</i> , 2005 , 87, 043508	3.4	42
165	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
164	Efficient fluorescent white organic light-emitting diodes using co-host/emitter dual-role possessed di(triphenyl-amine)-1,4-divinyl-naphthalene. <i>Organic Electronics</i> , 2007 , 8, 735-742	3.5	39
163	Molecule-based monochromatic and polychromatic OLEDs with wet-process feasibility. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11492-11518	7.1	39
162	High-efficiency flexible white organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6626		38
161	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
160	Small polymeric nano-dot enhanced pure-white organic light-emitting diode. <i>Organic Electronics</i> , 2008 , 9, 291-295	3.5	38
159	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
158	Color-stable, efficient fluorescent pure-white organic light-emitting diodes with device architecture preventing excessive exciton formation on guest. <i>Applied Physics Letters</i> , 2008 , 92, 223504	3.4	37
157	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
156	Migration of small molecules during the degradation of organic light-emitting diodes. <i>Organic Electronics</i> , 2009 , 10, 581-586	3.5	36

155	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
154	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
153	Artificial Dusk-Light Based on Organic Light Emitting Diodes. <i>ACS Photonics</i> , 2014 , 1, 27-31	6.3	33
152	Structure effect on water diffusion and hygroscopic stress in polyimide films. <i>Journal of Applied Polymer Science</i> , 1991 , 43, 857-875	2.9	32
151	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
150	OLEDs with chromaticity tunable between dusk-hue and candle-light. <i>Organic Electronics</i> , 2013 , 14, 47-54	5.5	30
149	Carrier modulation layer-enhanced organic light-emitting diodes. <i>Molecules</i> , 2015 , 20, 13005-30	4.8	30
148	Deep-blue emitting pyrenebenzimidazole conjugates for solution processed organic light-emitting diodes. <i>RSC Advances</i> , 2015 , 5, 8727-8738	3.7	29
147	Role of Molecular Orbital Energy Levels in OLED Performance. <i>Scientific Reports</i> , 2020 , 10, 9915	4.9	29
146	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
145	Extraordinarily high efficiency improvement for OLEDs with high surface-charge polymeric nanodots. <i>ACS Nano</i> , 2010 , 4, 4054-60	16.7	29
144	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
143	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
142	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
141	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
140	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
139	Organic light-emitting diode-based plausibly physiologically-friendly low color-temperature night light. <i>Organic Electronics</i> , 2012 , 13, 1349-1355	3.5	27
138	High efficiency low color-temperature organic light-emitting diodes with a blend interlayer. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17850		27

137	Highly efficient color-temperature tunable organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8117		26
136	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
135	Nearly non-roll-off high efficiency fluorescent yellow organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12613		26
134	High efficiency deep-blue organic light-emitting diode with a blue dye in low-polarity host. <i>Applied Physics Letters</i> , 2008 , 92, 193314	3.4	26
133	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
132	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
131	Solution process feasible highly efficient white organic light emitting diode. <i>Organic Electronics</i> , 2019 , 69, 232-240	3.5	25
130	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
129	Phenothiazine-based bipolar green-emitters containing benzimidazole units: synthesis, photophysical and electroluminescence properties. <i>RSC Advances</i> , 2015 , 5, 87416-87428	3.7	25
128	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
127	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
126	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
125	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
124	Plant Growth Absorption Spectrum Mimicking Light Sources. <i>Materials</i> , 2015 , 8, 5265-5275	3.5	22
123	Synthesis, characterization and electroluminescence of carbazole-benzimidazole hybrids with thiophene/phenyl linker. <i>Dyes and Pigments</i> , 2016 , 133, 132-142	4.6	21
122	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
121	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
120	Wet-process feasible candlelight OLED. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6070-6077	7.1	20

119	Solution-Process-Feasible Deep-Red Phosphorescent Emitter. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 18794-18802	3.8	20
118	Blue Luminescent Organic Light Emitting Diode Devices of a New Class of Star-Shaped Columnar Mesogens Exhibiting Γ -Driven Supergelation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23659-23674	3.8	20
117	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
116	AIE-active mechanoluminescent discotic liquid crystals for applications in OLEDs and bio-imaging. <i>Chemical Communications</i> , 2020 , 56, 14279-14282	5.8	19
115	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
114	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
113	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
112	X-Ray Diffraction Study of Polyimide Blends Compatibility. <i>Polymer Journal</i> , 1990 , 22, 909-918	2.7	17
111	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	7.1	17
110	Enabling a blue-hazard free general lighting based on candle light-style OLED. <i>Optics Express</i> , 2015 , 23, A576-81	3.3	16
109	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
108	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
107	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
106	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
105	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
104	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
103	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
102	Characterization of vapor deposition polymerized polyimide thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996 , 34, 2239-2246	2.6	14

101	Efficient solution-processed deep-blue CIEy ? (0.05) and pure-white CIE _{x,y} ? (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
100	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
99	High efficiency color-temperature tunable organic light-emitting diode. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 15322-15334	7.1	13
98	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
97	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
96	Simple-structured efficient white organic light emitting diode via solution process. <i>Microelectronics Reliability</i> , 2018 , 83, 293-296	1.2	12
95	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
94	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
93	Molecular migration behaviors in organic light-emitting diodes with different host structures. <i>Organic Electronics</i> , 2011 , 12, 376-382	3.5	12
92	Hole-transporting-layer-free high-efficiency fluorescent blue organic light-emitting diodes. <i>Applied Physics Letters</i> , 2007 , 91, 043504	3.4	12
91	Adhesion of polyimide to silicon and polyimide. <i>Journal of Applied Polymer Science</i> , 1993 , 47, 1219-1232	2.9	12
90	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
89	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
88	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
87	A Novel Approach for Preparing Single-Layer Molecularly Doped Electroluminescent Polymer Thin Films. <i>Macromolecules</i> , 1998 , 31, 6515-6520	5.5	11
86	Fluorene based amorphous hole transporting materials for solution processed organic light-emitting diodes. <i>Organic Electronics</i> , 2020 , 79, 105633	3.5	11
85	Efficient near ultraviolet emissive (CIEy <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16834-16844	7.1	11
84	Polarity tuning of fluorene derivatives by chromophores to achieve efficient blue electroluminescent materials. <i>Organic Electronics</i> , 2019 , 64, 266-273	3.5	11

83	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
82	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
81	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
80	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
79	High light-quality OLEDs with a wet-processed single emissive layer. <i>Scientific Reports</i> , 2018 , 8, 7133	4.9	10
78	Pseudo-natural Light for Displays and Lighting. <i>Advanced Optical Materials</i> , 2015 , 3, 95-102	8.1	10
77	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
76	Sunlight-style organic light-emitting diodes. <i>Journal of Photonics for Energy</i> , 2011 , 1, 011021	1.2	10
75	Bending-beam measurement of solvent diffusions in polyimides: Theoretical and experimental. <i>Journal of Applied Polymer Science</i> , 1992 , 44, 191-198	2.9	10
74	Cyano-functionalized carbazole substituted pyrene derivatives for promising organic light-emitting diodes. <i>Dyes and Pigments</i> , 2018 , 158, 295-305	4.6	10
73	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
72	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
71	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
70	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
69	Plausible degradation mechanisms in organic light-emitting diodes. <i>Organic Electronics</i> , 2019 , 67, 222-231.5	3.5	8
68	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	2.6	8
67	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
66	One-step Fabrication of Conjugated 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

65	Ramp rate effect on polyimide film properties and morphology. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995 , 33, 1803-1811	2.6	8
64	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
63	Deep-blue emitters (CIE _y ~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
62	Blue-hazard-free Candlelight OLED. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	7
61	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
60	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
59	Solution-processed deep-blue ($\eta \sim 0.06$) fluorophores based on triphenylamine-imidazole (donor-acceptor) for OLEDs: computational and experimental exploration. <i>Journal of Information Display</i> , 1-15	4.1	7
58	Nanocomposite Electron-Transport Layer Incorporated Highly Efficient OLED. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1545-1553	4	6
57	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
56	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
55	Organic light-emitting diodes with roll-up character. <i>Journal of Photonics for Energy</i> , 2012 , 2, 021208	1.2	6
54	Internal stress and connection resistance correlation study of microbump bonding. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2001 , 24, 493-499		6
53	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
52	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
51	Asymmetrically 2,7-difunctionalized carbazole-based donor-acceptor hybrids for deep blue electroluminescence applications. <i>Optical Materials</i> , 2020 , 108, 110159	3.3	5
50	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
49	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
48	Phenanthroimidazole substituted imidazo[1,2-a]pyridine derivatives for deep-blue electroluminescence with CIE _y ~0.08. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 423, 113600	4.7	4

47	Phenanthroimidazole-based bipolar carbazoles featuring cyano substituents to realize efficient deep-blue electroluminescence with an external quantum efficiency of nearly 6%. <i>Materials Advances</i> ,	3.3	4
46	Effect of Cyano on the Functional Properties of Phenanthroimidazole-Substituted Carbazole Derivatives. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 3876-3888	4	4
45	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
44	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
43	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
42	A New Class of Solution Processable Pyrazino[2,3-g]quinoxaline Carbazole Derivative Based on DAD Architecture for Achieving High EQE in Yellow and White OLEDs. <i>Advanced Optical Materials</i> , 2020 , 24, 200241	8.1	3
41	Surface plasmon-enhanced solution-processed phosphorescent organic light-emitting diodes by incorporating gold nanoparticles. <i>Nanotechnology</i> , 2020 , 31, 295204	3.4	2
40	An Approach for Measuring the Dielectric Strength of OLED Materials. <i>Materials</i> , 2018 , 11,	3.5	2
39	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
38	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
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32	Effect of positional isomerism on the functional properties of carbazole-phenanthroimidazole-triphenylamine triads. <i>Dyes and Pigments</i> , 2021 , 196, 109744	4.6	2
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28	Carrier Mobility Effect of Electron Transporting Layer on OLED Performance 2018 ,		1
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17	Organic lighting devices are plausibly more vulnerable to oxygen than moisture. <i>Organic Electronics</i> , 2021 , 99, 106333	3.5	1
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12	Blue-hazard free candlelight-style tandem organic light-emitting diode. <i>Organic Electronics</i> , 2021 , 98, 106294	3.5	0

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