

Man-Keung Fung

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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.

82 papers	2,612 citations	26 h-index	50 g-index
88 ext. papers	3,108 ext. citations	8.3 avg, IF	5.22 L-index

#	Paper	IF	Citations
82	Management of singlet and triplet excitons in a single emission layer: a simple approach for a high-efficiency fluorescence/phosphorescence hybrid white organic light-emitting device. <i>Advanced Materials</i> , 2012 , 24, 3410-4	24	215
81	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2889-2893	16.4	213
80	Novel efficient blue fluorophors with small singlet-triplet splitting: hosts for highly efficient fluorescence and phosphorescence hybrid WOLEDs with simplified structure. <i>Advanced Materials</i> , 2013 , 25, 2205-11	24	197
79	Carbazole/Sulfone Hybrid D-A-Structured Bipolar Fluorophores for High-Efficiency Blue-Violet Electroluminescence. <i>Chemistry of Materials</i> , 2013 , 25, 2630-2637	9.6	167
78	Improved performance of inverted planar perovskite solar cells with F4-TCNQ doped PEDOT:PSS hole transport layers. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5701-5708	13	163
77	Multifunctional electron-transporting indolizine derivatives for highly efficient blue fluorescence, orange phosphorescence host and two-color based white OLEDs. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4502		147
76	White Organic LED with a Luminous Efficacy Exceeding 100 lm W ⁻¹ without Light Out-Coupling Enhancement Techniques. <i>Advanced Functional Materials</i> , 2017 , 27, 1701314	15.6	134
75	Tandem Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2016 , 28, 10381-10408	24	86
74	New Ambipolar Hosts Based on Carbazole and 4,5-Diazafluorene Units for Highly Efficient Blue Phosphorescent OLEDs with Low Efficiency Roll-Off. <i>Chemistry of Materials</i> , 2012 , 24, 643-650	9.6	85
73	Thermally Activated Delayed Fluorescence Material as Host with Novel Spiro-Based Skeleton for High Power Efficiency and Low Roll-Off Blue and White Phosphorescent Devices. <i>Advanced Functional Materials</i> , 2016 , 26, 7929-7936	15.6	74
72	All-Inorganic Quantum-Dot LEDs Based on a Phase-Stabilized CsPbI Perovskite. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16164-16170	16.4	59
71	Novel Blue Fluorophor with High Triplet Energy Level for High Performance Single-Emitting-Layer Fluorescence and Phosphorescence Hybrid White Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2013 , 25, 4454-4459	9.6	58
70	Tilted Spiro-Type Thermally Activated Delayed Fluorescence Host for 100% Exciton Harvesting in Red Phosphorescent Electronics with Ultralow Doping Ratio. <i>Advanced Functional Materials</i> , 2018 , 28, 1706228	15.6	54
69	Highly Efficient White Organic Light-Emitting Diodes with Ultrathin Emissive Layers and a Spacer-Free Structure. <i>Scientific Reports</i> , 2016 , 6, 25821	4.9	52
68	A multifunctional phosphine oxide-diphenylamine hybrid compound as a high performance deep-blue fluorescent emitter and green phosphorescent host. <i>Chemical Communications</i> , 2014 , 50, 2027-9	5.8	49
67	Interface studies of intermediate connectors and their roles in tandem OLEDs. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2539-2548		49
66	Highly Simplified Tandem Organic Light-Emitting Devices Incorporating a Green Phosphorescence Ultrathin Emitter within a Novel Interface Exciplex for High Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10955-10962	9.5	48

65	Charge-transfer complexes and their role in exciplex emission and near-infrared photovoltaics. <i>Advanced Materials</i> , 2014 , 26, 5569-74	24	48
64	Through Space Charge Transfer for Efficient Sky-Blue Thermally Activated Delayed Fluorescence (TADF) Emitter with Unconjugated Connection. <i>Advanced Optical Materials</i> , 2020 , 8, 1901150	8.1	41
63	Donor-Acceptor Molecules for Green Thermally Activated Delayed Fluorescence by Spatially Approaching Spiro Conformation. <i>Organic Letters</i> , 2017 , 19, 3155-3158	6.2	40
62	De Novo Design of Boron-Based Host Materials for Highly Efficient Blue and White Phosphorescent OLEDs with Low Efficiency Roll-Off. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20230-6	9.5	38
61	A blue thermally activated delayed fluorescence emitter developed by appending a fluorene moiety to a carbazole donor with meta-linkage for high-efficiency OLEDs. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 917-922	7.8	31
60	Efficient blue organic light-emitting devices with a new bipolar emitter. <i>Organic Electronics</i> , 2011 , 12, 358-363	3.5	28
59	Cu-Doped nickel oxide prepared using a low-temperature combustion method as a hole-injection layer for high-performance OLEDs. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11751-11757	7.1	26
58	Near-Infrared Electric Power Generation Through Sub-Energy-Gap Absorption in an Organic-Inorganic Composite. <i>Advanced Functional Materials</i> , 2012 , 22, 3035-3042	15.6	26
57	Interfacial engineering for highly efficient quasi-two dimensional organic-inorganic hybrid perovskite light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4344-4349	7.1	26
56	The role of fluorine-substitution on the bridge in constructing effective thermally activated delayed fluorescence molecules. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5536-5541	7.1	24
55	Management of excitons for highly efficient organic light-emitting diodes with reduced triplet exciton quenching: synergistic effects of exciplex and quantum well structure. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 342-349	7.1	23
54	Simplified efficient warm white tandem organic light-emitting devices by ultrathin emitters using energy transfer from exciplexes. <i>Organic Electronics</i> , 2018 , 63, 369-375	3.5	23
53	A novel electron-acceptor moiety as a building block for efficient donor-acceptor based fluorescent organic lighting-emitting diodes. <i>Chemical Communications</i> , 2016 , 53, 263-265	5.8	19
52	Hybrid Tandem White OLED with Long Lifetime and 150 Lm W ⁻¹ in Luminous Efficacy Based on TADF Blue Emitter Stabilized with Phosphorescent Red Emitter. <i>Advanced Optical Materials</i> , 2020 , 8, 2000727	8.1	19
51	Nano-modified indium tin oxide incorporated with ideal microlens array for light extraction of OLED. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3958-3964	7.1	18
50	Mechanical properties of amorphous carbon nitride films synthesized by electron cyclotron resonance microwave plasma chemical vapor deposition. <i>Journal of Non-Crystalline Solids</i> , 1999 , 254, 180-185	3.9	18
49	Blue-to-green electrophosphorescence from iridium(III) complexes with cyclometalated pyrimidine ligands. <i>Dyes and Pigments</i> , 2018 , 150, 284-292	4.6	17
48	Efficient Violet Organic Light-Emitting Diodes with CIE _y of 0.02 Based on Spiro Skeleton. <i>Advanced Optical Materials</i> , 2020 , 8, 2001074	8.1	16

47	Influence of a lecithin additive on the performance of all-inorganic perovskite light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2905-2910	7.1	16
46	Positive impact of chromophore flexibility on the efficiency of red thermally activated delayed fluorescence materials. <i>Materials Horizons</i> , 2021 , 8, 1297-1303	14.4	15
45	D π A-Type Emitter Featuring Benzo[c][1,2,5]thiadiazole and Polar C \equiv N Bond as Tandem Acceptor for High-Performance Near-Infrared Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2017 , 5, 1700566	8.1	14
44	Deep-Blue and Hybrid-White Organic Light Emitting Diodes Based on a Twisting Carbazole-Benzofuro[2,3-b]Pyrazine Fluorescent Emitter. <i>Molecules</i> , 2019 , 24,	4.8	12
43	Naphthalene-based host materials for highly efficient red phosphorescent OLEDs at low doping ratios. <i>Organic Electronics</i> , 2018 , 54, 140-147	3.5	12
42	Efficient OLEDs with saturated yellow and red emission based on rigid tetradentate Pt(II) complexes. <i>Organic Electronics</i> , 2018 , 62, 542-547	3.5	12
41	Thermally activated delayed fluorescence sensitizer for D π A type emitters with orange-red light emission. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10030-10035	7.1	12
40	Aminoborane-based bipolar host material for blue and white-emitting electrophosphorescence devices. <i>Organic Electronics</i> , 2017 , 48, 112-117	3.5	11
39	The roles of thermally activated delayed fluorescence sensitizers for efficient red fluorescent organic light-emitting diodes with D π A type emitters. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 161-167	7.8	11
38	In-situ inorganic ligand replenishment enables bandgap stability in mixed-halide perovskite quantum dot solids.. <i>Advanced Materials</i> , 2022 , e2200854	24	11
37	Diazaspirocycles: novel platforms for efficient phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1370-1378	7.1	9
36	Ideal microlens array based on polystyrene microspheres for light extraction in organic light-emitting diodes. <i>Organic Electronics</i> , 2019 , 69, 348-353	3.5	9
35	Doped copper phthalocyanine via an aqueous solution process for high-performance organic light-emitting diodes. <i>Organic Electronics</i> , 2019 , 68, 236-241	3.5	9
34	Solution processable small molecule based organic light-emitting devices prepared by dip-coating method. <i>Organic Electronics</i> , 2018 , 55, 1-5	3.5	8
33	Thermally activated delayed fluorescence-based tandem OLEDs with very high external quantum efficiency. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1700240	1.6	8
32	Donor-spiro-acceptor architecture for green thermally activated delayed fluorescence (TADF) emitter. <i>Organic Electronics</i> , 2020 , 77, 105520	3.5	8
31	Highly simplified blue phosphorescent organic light-emitting diodes incorporating exciplex-forming co-host assisting energy transfer. <i>Journal of Luminescence</i> , 2019 , 206, 554-559	3.8	8
30	Spiro-type host materials with rigidified skeletons for RGB phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 12470-12477	7.1	7

29	Modulation of p-type units in tripodal bipolar hosts towards highly efficient red phosphorescent OLEDs. <i>Dyes and Pigments</i> , 2019 , 162, 632-639	4.6	7
28	Design and Synthesis of Donor- π -Acceptor-Type Dispiro Molecules. <i>Organic Letters</i> , 2019 , 21, 5281-5284	6.2	6
27	A series of fluorenone-carbazole based regioisomers as bipolar host materials for efficient organic light emitting diodes. <i>Tetrahedron</i> , 2019 , 75, 2664-2669	2.4	6
26	A Novel Linking Strategy of Using 9,10-Dihydroacridine to Construct Efficient Host Materials for Red Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2018 , 24, 11755-11762	4.8	6
25	Dispirocycles: Platforms for the Construction of High-Performance Host Materials for Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2019 , 25, 6788-6796	4.8	5
24	High-performance organic light-emitting diodes with natural white emission based on thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10431-10437	7.1	5
23	P-164: Energy Transfer from Interface Exciplexes to Ultrathin Emissive Layers: A Path Way to Design Simplified Efficient White Tandem Organic Light-Emitting Diodes for Application. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 1779-1781	0.5	5
22	Efficient red phosphorescent Ir(III) complexes based on rigid ligands with high external quantum efficiency and low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 6168-6175	7.1	4
21	Smart OLED Lighting on Electrochromic Glass. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1800102	1.6	4
20	Low-cost solar cell based on a composite of silicon nanowires and a highly conductive nonphotoactive polymer. <i>Chemistry - A European Journal</i> , 2013 , 19, 17273-6	4.8	4
19	The one-pot synthesis of homoleptic phenylphthalazine iridium(III) complexes and their application in high efficiency OLEDs. <i>Journal of Luminescence</i> , 2020 , 219, 116846	3.8	4
18	Dimers with thermally activated delayed fluorescence (TADF) emission in non-doped device. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4792-4798	7.1	4
17	Interrupted intramolecular donor-acceptor interaction compensated by strong through-space electronic coupling for highly efficient near-infrared TADF with emission over 800 nm. <i>Chemical Engineering Journal</i> , 2021 , 430, 132744	14.7	4
16	Charge transport dependent high open circuit voltage tandem organic photovoltaic cells with low temperature deposited HATCN-based charge recombination layers. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 4045-50	3.6	3
15	Charge-Transfer Complexes: Charge-Transfer Complexes and Their Role in Exciplex Emission and Near-Infrared Photovoltaics (Adv. Mater. 31/2014). <i>Advanced Materials</i> , 2014 , 26, 5226-5226	24	3
14	Efficient yellow OLEDs based on bis-tridentate iridium(III) complexes with two C \equiv N \rightarrow N-coordinating ligands. <i>Inorganica Chimica Acta</i> , 2020 , 499, 119168	2.7	3
13	Isomeric thermally activated delayed fluorescence emitters based on a quinolino[3,2,1-de]acridine-5,9-dione multiple resonance core and carbazole substituent. <i>Materials Chemistry Frontiers</i> , 2022 , 6, 966-972	7.8	3
12	P-144: High Luminous Efficacy White OLED for Lighting. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 1767-1770	0.5	1

11	The synthesis of di-orthometallated triphenyl phosphite iridium(III) complexes with steric groups and their application in OLEDs. <i>Inorganica Chimica Acta</i> , 2019 , 495, 118942	2.7	1
10	Management of Exciton for Highly-Efficient Hybrid White Organic Light-Emitting Diodes with a Non-Doped Blue Emissive Layer. <i>Molecules</i> , 2019 , 24,	4.8	1
9	White OLEDs: Management of Singlet and Triplet Excitons in a Single Emission Layer: A Simple Approach for a High-Efficiency Fluorescence/Phosphorescence Hybrid White Organic Light-Emitting Device (Adv. Mater. 25/2012). <i>Advanced Materials</i> , 2012 , 24, 3290-3290	24	1
8	Metal/Polymer Interface Studies for Organic Light-Emitting Devices 2005 , 181-214		1
7	Interfaces between poly(9,9-dioctylfluorene) and alkali metals as affected by molecular weight and oxygen 2002 , 4464, 232		1
6	Inverted with power efficiency over 220 lm W ⁻¹ . <i>Nano Energy</i> , 2021 , 82, 105660	17.1	1
5	A series of novel host materials based on the 10,11-dihydro-5H-dibenzo[b,f]azepine unit for highly efficient green and red organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2969-2976	7.1	1
4	Four-Coordinate Organoboron Platforms for Efficient Red Phosphorescent Organic Light-Emitting Diodes. <i>ChemPlusChem</i> , 2019 , 84, 1587-1595	2.8	0
3	High-Efficiency Top-Emitting Green Perovskite Light Emitting Diode with Quasi Lambertian Emission. <i>Advanced Optical Materials</i> , 2101137	8.1	0
2	Highly efficient thermally activated delayed fluorescence emitters with suppressed energy loss and a fast reverse intersystem crossing process. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 3685-3690	7.1	0
1	Exciplex host coupled with a micro-cavity enabling high efficiency OLEDs with narrow emission profile. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 5666-5671	7.1	