

# Chia-Hsun Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

696  
citations

933447

10  
h-index

642732

23  
g-index

30  
all docs

30  
docs citations

30  
times ranked

934  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blue organic light-emitting diodes: current status, challenges, and future outlook. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5874-5888.	5.5	412
2	Efficient Triplet-Triplet Annihilation Upconversion in an Electroluminescence Device with a Fluorescent Sensitizer and a Triplet-Diffusion Singlet-Blocking Layer. <i>Advanced Materials</i> , 2018, 30, e1804850.	21.0	47
3	Exciplex-Sensitized Triplet-Triplet Annihilation in Heterojunction Organic Thin-Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10963-10970.	8.0	39
4	Carrier Transport and Recombination Mechanism in Blue Phosphorescent Organic Light-Emitting Diode with Hosts Consisting of Cabazole- and Triazole-Moiety. <i>Scientific Reports</i> , 2019, 9, 3654.	3.3	28
5	An extended $\pi$ -backbone for highly efficient near-infrared thermally activated delayed fluorescence with enhanced horizontal molecular orientation. <i>Materials Horizons</i> , 2022, 9, 772-779.	12.2	26
6	Easy Access to NO <sub>2</sub> -Containing Donor-Acceptor Electron Donors for High Efficiency Small-Molecule Organic Solar Cells. <i>ChemSusChem</i> , 2016, 9, 1433-1441.	6.8	18
7	Bistriazoles with a Biphenyl Core Derivative as an Electron-Favorable Bipolar Host of Efficient Blue Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 49895-49904.	8.0	13
8	Deep Blue Fluorescent Material with an Extremely High Ratio of Horizontal Orientation to Enhance Light Outcoupling Efficiency (44%) and External Quantum Efficiency in Doped and Non-Doped Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 34605-34615.	8.0	13
9	Control of $\pi$ - $\pi$ stacking in carbazole-benzimidazo[1,2- <i>f</i> ]phenanthridines: the design of electron-transporting bipolar hosts for phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3571-3579.	5.5	12
10	Long-Distance Triplet Diffusion and Well-Packing Hosts with Ultralow Dopant Concentration for Achieving High-Efficiency TADF OLED. <i>Advanced Optical Materials</i> , 2021, 9, 2100857.	7.3	12
11	Distinct Routes of Singlet Fission and Triplet Fusion: A Fluorescence Kinetic Study of Rubrene. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3279-3284.	3.1	11
12	New bipolar host materials for high power efficiency green thermally activated delayed fluorescence OLEDs. <i>Chemical Engineering Journal</i> , 2022, 442, 136292.	12.7	9
13	P-108: Positive Aging Mechanisms for High-efficiency Blue Quantum Dot Light-emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 1622-1624.	0.3	8
14	Oxygen sensing and OLED applications of di- <i>tert</i> -butyl-dimethylacridinyl disubstituted oxyafluorene exhibiting long-lived deep-blue delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9632-9638.	5.5	7
15	Does Through-Space Charge Transfer in Bipolar Hosts Affect the Efficiency of Blue OLEDs?. <i>Advanced Optical Materials</i> , 2021, 9, 2002227.	7.3	7
16	Tetraphenyl ornamented carbazolyl disubstituted diphenyl sulfone as bipolar TADF host for highly efficient OLEDs with low efficiency roll-offs. <i>Dyes and Pigments</i> , 2021, 194, 109573.	3.7	7
17	A deep-dyeing strategy for ultra-stable, brightly luminescent perovskite-polymer composites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3396-3402.	5.5	6
18	Lifetime elongation of quantum-dot light-emitting diodes by inhibiting the degradation of hole transport layer. <i>RSC Advances</i> , 2021, 11, 20884-20891.	3.6	6

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19	Thickness-Dependent Exciton Dynamics in Thermally Evaporated Rubrene Thin Films. Journal of Physical Chemistry C, 2020, 124, 25729-25737.	3.1	4
20	Pâ€120: Degradation Mechanism and Lifetime Improvement of Blue Quantumâ€Lightâ€Emitting Diodes. Digest of Technical Papers SID International Symposium, 2019, 50, 1700-1701.	0.3	3
21	New carbolineâ€based donors for green exciplexâ€forming systems. Journal of the Chinese Chemical Society, 2021, 68, 482-490.	1.4	3
22	Harnessing the Inductive Effect To Design New Donorâ€Acceptorâ€Acceptorâ€2-Configured Small-Molecule Donors for Vacuum-Processed Organic Photovoltaics. Energy & Fuels, 0, , .	5.1	2
23	Pâ€88: Efficiency Improvement of Topâ€Emission Green Quantumâ€Lightâ€Emitting Diode with Dielectricâ€Metalâ€Dielectric Cathode. Digest of Technical Papers SID International Symposium, 2022, 53, 1355-1356.	0.3	2
24	65â€4: Investigation on Blue Quantumâ€Lightâ€Emitting Diode with Positive Aging Treatment. Digest of Technical Papers SID International Symposium, 2021, 52, 957-958.	0.3	1
25	A novel donor-acceptor-acceptor molecular for planar mix heterojunction C&lt;inf&gt;60&lt;/inf&gt; based organic solar cells. , 2015, , .		0
26	Effects of molybdenum trioxide thickness of organic photovoltaic with silver anode. , 2016, , .		0
27	65â€3: Green Topâ€Emission Quantum Dot Lightâ€Emitting Diodes (TEâ€QLED) with Normal and Inverted Structure. Digest of Technical Papers SID International Symposium, 2020, 51, 968-970.	0.3	0
28	Pâ€168: High Efficiency (EQE>30%) TADFâ€OLED with Lightlyâ€doped Emitter (0.5%) by using TADFâ€Host. Digest of Technical Papers SID International Symposium, 2020, 51, 2020-2021.	0.3	0
29	Nanostructured Molybdenum Trioxide Layer on the Silver Anode of a Top-Incident Organic Photovoltaic Device. Journal of Nanoscience and Nanotechnology, 2021, 21, 1659-1666.	0.9	0
30	Organic photovoltaic integrator with three complementary absorption bands to enhance efficiency. Journal of Photonics for Energy, 2018, 8, 1.	1.3	0