

# Ching W Tang

## 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.

38 papers	1,235 citations	16 h-index	35 g-index
38 ext. papers	1,315 ext. citations	4.5 avg, IF	4.42 L-index

#	Paper	IF	Citations
38	39.1: Invited Paper: Organic Color-Conversion Materials for Full-Color MicroLED Displays. <i>Digest of Technical Papers SID International Symposium</i> , <b>2021</b> , 52, 269-269	0.5	
37	61-2: 2-inch, 2,000-ppi Silicon Nitride Mask for Patterning Ultra-High-Resolution OLED Displays. <i>Digest of Technical Papers SID International Symposium</i> , <b>2020</b> , 51, 909-912	0.5	1
36	12-4: Blue OLEDs Fabricated by Close-Space Sublimation. <i>Digest of Technical Papers SID International Symposium</i> , <b>2019</b> , 50, 153-156	0.5	0
35	Silver-induced activation of 8-hydroxyquinolinato lithium as electron injection material in single-stack and tandem OLED devices. <i>Organic Electronics</i> , <b>2018</b> , 59, 220-223	3.5	4
34	Effect of lithium and silver diffusion in single-stack and tandem OLED devices. <i>Organic Electronics</i> , <b>2017</b> , 42, 102-106	3.5	14
33	Chemical degradation mechanism of TAPC as hole transport layer in blue phosphorescent OLED. <i>Organic Electronics</i> , <b>2017</b> , 42, 379-386	3.5	27
32	High-Resolution Organic Light-Emitting Diodes Patterned via Contact Printing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16809-15	9.5	43
31	High efficiency phosphorescent white organic light-emitting diodes with an ultra-thin red and green co-doped layer and dual blue emitting layers. <i>Organic Electronics</i> , <b>2016</b> , 32, 54-58	3.5	26
30	Understanding the effect of triplet sensitizers in organic photovoltaic devices. <i>Organic Electronics</i> , <b>2016</b> , 30, 247-252	3.5	6
29	Delineation of degradation patterns of C60-based organic solar cells under different environments. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 245504	2.5	2
28	Investigation of blue phosphorescent organic light-emitting diode host and dopant stability. <i>Organic Electronics</i> , <b>2014</b> , 15, 1312-1316	3.5	31
27	Degradation of self-assembled monolayers in organic photovoltaic devices. <i>Organic Electronics</i> , <b>2014</b> , 15, 3624-3631	3.5	7
26	Investigating blue phosphorescent iridium cyclometalated dopant with phenyl-imidazole ligands. <i>Organic Electronics</i> , <b>2014</b> , 15, 3127-3136	3.5	32
25	Te/Cu bi-layer: A low-resistance back contact buffer for thin film CdS/CdTe solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 128, 411-420	6.4	28
24	Degradation of electrical properties of small molecule organic solar cells under oxygen and moisture. <i>Materials Research Society Symposia Proceedings</i> , <b>2014</b> , 1695, 9		1
23	Effects of emitting layer host composition profile on the recombination zone of blue phosphorescent organic light emitting diodes. <i>Journal of the Society for Information Display</i> , <b>2013</b> , 21, 55-59	2.1	
22	MoOx back contact for CdS/CdTe thin film solar cells: Preparation, device characteristics, and stability. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 99, 349-355	6.4	45

21	33.3: Distinguished Student Paper: Improved Blue Phosphorescent OLEDs with a Linearly-Graded Mixed Host Architecture. <i>Digest of Technical Papers SID International Symposium</i> , <b>2012</b> , 43, 441-444	0.5	
20	The effect of MoOx inter-layer on thin film CdTe/CdS solar cell. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 105, 86-89	6.4	25
19	MoOx as an Efficient and Stable Back Contact Buffer for Thin Film CdTe Solar Cells. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1447, 45		2
18	Effects of mixed host spatial distribution on the efficiency of blue phosphorescent organic light-emitting diodes. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 043303	3.4	10
17	Effects of high-temperature annealing on ultra-thin CdTe solar cells. <i>Thin Solid Films</i> , <b>2011</b> , 520, 563-568	2.2	14
16	Bulk heterojunction photovoltaic cells with low donor concentration. <i>Advanced Materials</i> , <b>2011</b> , 23, 4960-4964	2.4	163
15	Strong interface p-doping and band bending in C60 on MoOx. <i>Organic Electronics</i> , <b>2011</b> , 12, 1588-1593	3.5	62
14	Fabrication of a blue organic light-emitting diode with a novel thermal deposition boat. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2011</b> , 29, 062401	1.3	9
13	Effects of active layer thickness and thermal annealing on polythiophene: Fullerene bulk heterojunction photovoltaic devices. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 053305	3.4	74
12	CdS/CdTe solar cells with MoOx as back contact buffers. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 123504	3.4	62
11	39.2: Efficient Single-Layer Small Molecule Blue OLEDs Based on a Multifunctional Bipolar Transport Material. <i>Digest of Technical Papers SID International Symposium</i> , <b>2010</b> , 41, 552	0.5	5
10	Fabrication of Cd <sub>1-x</sub> Zn <sub>x</sub> S films with controllable zinc doping using a vapor zinc chloride treatment. <i>Solar Energy Materials and Solar Cells</i> , <b>2010</b> , 94, 2113-2118	6.4	22
9	Photoswitchable Gas Permeation Membranes Based on Liquid Crystals. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2778-2785	15.6	18
8	Photoswitchable gas permeation membranes based on azobenzene-doped liquid crystals <b>2009</b> ,		4
7	Device Characteristics of Organic Light-Emitting Diodes Comprising Terfluorene Modified with Triphenyltriazine. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 4043-4048	9.6	11
6	Charge-retraction time-of-flight measurement for organic charge transport materials. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 152104	3.4	12
5	64.1: Invited Paper: Polarized OLEDs as Backlight for Liquid Crystal Displays. <i>Digest of Technical Papers SID International Symposium</i> , <b>2007</b> , 38, 1765-1767	0.5	
4	Glassy nematic conjugated oligomers: materials for organic light-emitting diodes <b>2004</b> ,		1

3	Monodisperse Glassy-Nematic Conjugated Oligomers with Chemically Tunable Polarized Light Emission. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 4352-4360	9.6	96
2	Anthracene derivatives for stable blue-emitting organic electroluminescence devices. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 3201-3203	3.4	377
1	Organic color-conversion media for full-color micro-LED displays. <i>Journal of the Society for Information Display</i> ,	2.1	1