Ching W Tang

List of Publications by Year
in descending order

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38 papers	1,390 citations	471509 17 h-index	414414 32 g-index
38 all docs	38 docs citations	38 times ranked	2201 citing authors

#	Article	IF	Citations
1	Anthracene derivatives for stable blue-emitting organic electroluminescence devices. Applied Physics Letters, 2002, 80, 3201-3203.	3.3	407
2	Bulk Heterojunction Photovoltaic Cells with Low Donor Concentration. Advanced Materials, 2011, 23, 4960-4964.	21.0	178
3	Monodisperse Glassy-Nematic Conjugated Oligomers with Chemically Tunable Polarized Light Emission. Chemistry of Materials, 2003, 15, 4352-4360.	6.7	100
4	Effects of active layer thickness and thermal annealing on polythiophene: Fullerene bulk heterojunction photovoltaic devices. Applied Physics Letters, 2010, 97, .	3.3	80
5	CdS/CdTe solar cells with MoOx as back contact buffers. Applied Physics Letters, 2010, 97, .	3.3	73
6	Strong interface p-doping and band bending in C60 on MoOx. Organic Electronics, 2011, 12, 1588-1593.	2.6	67
7	MoOx back contact for CdS/CdTe thin film solar cells: Preparation, device characteristics, and stability. Solar Energy Materials and Solar Cells, 2012, 99, 349-355.	6.2	56
8	High-Resolution Organic Light-Emitting Diodes Patterned via Contact Printing. ACS Applied Materials & Interfaces, 2016, 8, 16809-16815.	8.0	50
9	Chemical degradation mechanism of TAPC as hole transport layer in blue phosphorescent OLED. Organic Electronics, 2017, 42, 379-386.	2.6	40
10	Investigation of blue phosphorescent organic light-emitting diode host and dopant stability. Organic Electronics, 2014, 15, 1312-1316.	2.6	36
11	Investigating blue phosphorescent iridium cyclometalated dopant with phenyl-imidazole ligands. Organic Electronics, 2014, 15, 3127-3136.	2.6	36
12	Te/Cu bi-layer: A low-resistance back contact buffer for thin film CdS/CdTe solar cells. Solar Energy Materials and Solar Cells, 2014, 128, 411-420.	6.2	32
13	The effect of MoOx inter-layer on thin film CdTe/CdS solar cell. Solar Energy Materials and Solar Cells, 2012, 105, 86-89.	6.2	29
14	High efficiency phosphorescent white organic light-emitting diodes with an ultra-thin red and green co-doped layer and dual blue emitting layers. Organic Electronics, 2016, 32, 54-58.	2.6	29
15	Fabrication of Cd1â^'xZnxS films with controllable zinc doping using a vapor zinc chloride treatment. Solar Energy Materials and Solar Cells, 2010, 94, 2113-2118.	6.2	23
16	Effect of lithium and silver diffusion in single-stack and tandem OLED devices. Organic Electronics, 2017, 42, 102-106.	2.6	22
17	Photoswitchable Gas Permeation Membranes Based on Liquid Crystals. Advanced Functional Materials, 2010, 20, 2778-2785.	14.9	19
18	Charge-retraction time-of-flight measurement for organic charge transport materials. Applied Physics Letters, 2007, 91, 152104.	3.3	15

#	Article	IF	Citations
19	Effects of high-temperature annealing on ultra-thin CdTe solar cells. Thin Solid Films, 2011, 520, 563-568.	1.8	14
20	Effects of mixed host spatial distribution on the efficiency of blue phosphorescent organic light-emitting diodes. Applied Physics Letters, 2012, 101, 043303.	3.3	12
21	Device Characteristics of Organic Light-Emitting Diodes Comprising Terfluorene Modified with Triphenyltriazine. Chemistry of Materials, 2007, 19, 4043-4048.	6.7	11
22	Silver-induced activation of 8-hydroxyquinolinato lithium as electron injection material in single-stack and tandem OLED devices. Organic Electronics, 2018, 59, 220-223.	2.6	10
23	Fabrication of a blue organic light-emitting diode with a novel thermal deposition boat. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 062401.	1.2	9
24	Understanding the effect of triplet sensitizers in organic photovoltaic devices. Organic Electronics, 2016, 30, 247-252.	2.6	8
25	Degradation of self-assembled monolayers in organic photovoltaic devices. Organic Electronics, 2014, 15, 3624-3631.	2.6	7
26	61â€²: 2â€inch, 2,000â€ppi Silicon Nitride Mask for Patterning Ultraâ€Highâ€Resolution OLED Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 909-912.	0.3	6
27	Photoswitchable gas permeation membranes based on azobenzene-doped liquid crystals. Proceedings of SPIE, 2009, , .	0.8	5
28	39.2: Efficient Singleâ€Layer Small Molecule Blue OLEDs Based on a Multifunctional ^{Bi}polar Transport Material. Digest of Technical Papers SID International Symposium, 2010, 41, 552-555.	0.3	5
29	Delineation of degradation patterns of C60-based organic solar cells under different environments. Journal of Applied Physics, 2015, 117, .	2.5	3
30	Glassy nematic conjugated oligomers: materials for organic light-emitting diodes. , 2004, , .		2
31	MoO_x as an Efficient and Stable Back Contact Buffer for Thin Film CdTe Solar Cells. Materials Research Society Symposia Proceedings, 2012, 1447, 45.	0.1	2
32	12â€4: Blue OLEDs Fabricated by Closeâ€Space Sublimation. Digest of Technical Papers SID International Symposium, 2019, 50, 153-156.	0.3	2
33	Degradation of electrical properties of small molecule organic solar cells under oxygen and moisture. Materials Research Society Symposia Proceedings, 2014, 1695, 9.	0.1	1
34	Organic colorâ€conversion media for fullâ€color microâ€LED displays. Journal of the Society for Information Display, 0, , .	2.1	1
35	64.1: Invited Paper: Polarized OLEDS as Backlight for Liquid Crystal Displays. Digest of Technical Papers SID International Symposium, 2007, 38, 1765-1767.	0.3	0
36	33.3: Distinguished Student Paper: Improved Blue Phosphorescent OLEDs with a Linearlyâ€Graded Mixed Host Architecture. Digest of Technical Papers SID International Symposium, 2012, 43, 441-444.	0.3	0

#	Article	IF	Citations
37	Effects of emitting layer host composition profile on the recombination zone of blue phosphorescent organic light emitting diodes. Journal of the Society for Information Display, 2013, 21, 55-59.	2.1	0
38	39.1: Invited Paper: Organic Colorâ€Conversion Materials for Fullâ€Color MicroLED Displays. Digest of Technical Papers SID International Symposium, 2021, 52, 269-269.	0.3	0