Dawen Li

List of Publications by Year
in descending order

31	1,171	331670 21	454955 30
papers	citations	h-index	g-index

31	31	31	1455
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modelling of segmented high-performance thermoelectric generators with effects of thermal radiation, electrical and thermal contact resistances. Scientific Reports, 2016, 6, 24123.	3.3	109
2	Micron-scale organic thin film transistors with conducting polymer electrodes patterned by polymer inking and stamping. Applied Physics Letters, 2006, 88, 063513.	3.3	94
3	Enhanced Performance Consistency in Nanoparticle/TIPS Pentaceneâ€Based Organic Thin Film Transistors. Advanced Functional Materials, 2011, 21, 3617-3623.	14.9	81
4	Conjugated Polymer-Mediated Polymorphism of a High Performance, Small-Molecule Organic Semiconductor with Tuned Intermolecular Interactions, Enhanced Long-Range Order, and Charge Transport. Chemistry of Materials, 2013, 25, 4378-4386.	6.7	77
5	Switching phase separation mode by varying the hydrophobicity of polymer additives in solution-processed semiconducting small-molecule/polymer blends. Applied Physics Letters, 2013, 103, .	3.3	65
6	Tunable Quasiâ€Oneâ€Dimensional Ribbon Enhanced Light Absorption in Sb₂Se₃ Thinâ€film Solar Cells Grown by Closeâ€Space Sublimation. Solar Rrl, 2018, 2, 1800128.	5.8	64
7	Air-flow navigated crystal growth for TIPS pentacene-based organic thin-film transistors. Organic Electronics, 2012, 13, 1819-1826.	2.6	61
8	Improving performance of TIPS pentacene-based organic thin film transistors with small-molecule additives. Organic Electronics, 2014, 15, 150-155.	2.6	60
9	Temperature gradient controlled crystal growth from TIPS pentacene-poly(Î±-methyl styrene) blends for improving performance of organic thin film transistors. Organic Electronics, 2016, 32, 195-199.	2.6	52
10	Solution-grown small-molecule organic semiconductor with enhanced crystal alignment and areal coverage for organic thin film transistors. AIP Advances, 2015, 5, .	1.3	48
11	Solution-based 5,6,11,12-tetrachlorotetracene crystal growth for high-performance organic thin film transistors. Organic Electronics, 2015, 22, 191-196.	2.6	46
12	Organic thin film transistors and polymer light-emitting diodes patterned by polymer inking and stamping. Journal Physics D: Applied Physics, 2008, 41, 105115.	2.8	42
13	Review Article: Crystal alignment for high performance organic electronics devices. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, 040801.	2.1	42
14	Air-stable solution-processed n-channel organic thin film transistors with polymer-enhanced morphology. Applied Physics Letters, 2015, 106, .	3.3	40
15	Polymer additive controlled morphology for high performance organic thin film transistors. Soft Matter, 2019, 15, 5790-5803.	2.7	40
16	Conjugated Polymer Controlled Morphology and Charge Transport of Small-Molecule Organic Semiconductors. Scientific Reports, 2020, 10, 4344.	3.3	39
17	Toward Scalable Perovskite Solar Modules Using Blade Coating and Rapid Thermal Processing. ACS Applied Energy Materials, 2020, 3, 3714-3720.	5.1	35
18	High-performance organic field-effect transistors with dielectric and active layers printed sequentially by ultrasonic spraying. Journal of Materials Chemistry C, 2013, 1, 4384.	5.5	27

#	Article	IF	Citations
19	Reciprocated suppression of polymer crystallization toward improved solid polymer electrolytes: Higher ion conductivity and tunable mechanical properties. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1450-1457.	2.1	24
20	Effect of Donor-Acceptor Vertical Composition Profile on Performance of Organic Bulk Heterojunction Solar Cells. Scientific Reports, 2018, 8, 9574.	3.3	23
21	Temperature gradient approach to grow large, preferentially oriented 6,13-bis(triisopropylsilylethynyl) pentacene crystals for organic thin film transistors. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, .	1.2	22
22	A facile and novel route to improve TIPS pentacene based organic thin film transistor performance with elastomer. Synthetic Metals, 2020, 262, 116337.	3.9	17
23	Modifying Electrical and Magnetic Properties of Single-Walled Carbon Nanotubes by Decorating with Iron Oxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2020, 20, 2611-2616.	0.9	14
24	A polymorph of the 6,13-dichloropentacene organic semiconductor: crystal structure, semiconductor measurements and band structure calculations. CrystEngComm, 2015, 17, 4172-4178.	2.6	11
25	Crystal growth of small-molecule organic semiconductors with nucleation additive. Current Applied Physics, 2021, 21, 107-115.	2.4	9
26	Rapid Layerâ€Specific Annealing Enabled by Ultraviolet LED with Estimation of Crystallization Energy for Highâ€Performance Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 1902898.	19.5	8
27	Polyferrocenylsilane Semicrystalline Polymer Additive for Solution-Processed p-Channel Organic Thin Film Transistors. Polymers, 2021, 13, 402.	4.5	7
28	Rapid crystallization and controllable growth of perovskite thin films via a seeded approach. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	6
29	Grafting density effects, optoelectrical properties and nano-patterning of poly(para-phenylene) brushes. Journal of Materials Chemistry A, 2013, 1, 13426.	10.3	5
30	Perovskite Solar Cells: Rapid Layerâ€Specific Annealing Enabled by Ultraviolet LED with Estimation of Crystallization Energy for Highâ€Performance Perovskite Solar Cells (Adv. Energy Mater. 4/2020). Advanced Energy Materials, 2020, 10, 2070014.	19.5	2
31	Zinc oxide nanowires for biosensing applications. , 2011, , .		1