

Dawen Li

List of Publications by Year in descending order

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31
papers

1,171
citations

331670

21
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1455
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal growth of small-molecule organic semiconductors with nucleation additive. <i>Current Applied Physics</i> , 2021, 21, 107-115.	2.4	9
2	Polyferrocenylsilane Semicrystalline Polymer Additive for Solution-Processed p-Channel Organic Thin Film Transistors. <i>Polymers</i> , 2021, 13, 402.	4.5	7
3	Modifying Electrical and Magnetic Properties of Single-Walled Carbon Nanotubes by Decorating with Iron Oxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2611-2616.	0.9	14
4	Rapid Layer-Specific Annealing Enabled by Ultraviolet LED with Estimation of Crystallization Energy for High-Performance Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 1902898.	19.5	8
5	Conjugated Polymer Controlled Morphology and Charge Transport of Small-Molecule Organic Semiconductors. <i>Scientific Reports</i> , 2020, 10, 4344.	3.3	39
6	Toward Scalable Perovskite Solar Modules Using Blade Coating and Rapid Thermal Processing. <i>ACS Applied Energy Materials</i> , 2020, 3, 3714-3720.	5.1	35
7	A facile and novel route to improve TIPS pentacene based organic thin film transistor performance with elastomer. <i>Synthetic Metals</i> , 2020, 262, 116337.	3.9	17
8	Perovskite Solar Cells: Rapid Layer-Specific Annealing Enabled by Ultraviolet LED with Estimation of Crystallization Energy for High-Performance Perovskite Solar Cells (<i>Adv. Energy Mater.</i> 4/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070014.	19.5	2
9	Polymer additive controlled morphology for high performance organic thin film transistors. <i>Soft Matter</i> , 2019, 15, 5790-5803.	2.7	40
10	Review Article: Crystal alignment for high performance organic electronics devices. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, 040801.	2.1	42
11	Rapid crystallization and controllable growth of perovskite thin films via a seeded approach. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, .	2.1	6
12	Tunable Quasi-One-Dimensional Ribbon Enhanced Light Absorption in Sb_2Se_3 Thin-Film Solar Cells Grown by Close-Space Sublimation. <i>Solar Rrl</i> , 2018, 2, 1800128.	5.8	64
13	Effect of Donor-Acceptor Vertical Composition Profile on Performance of Organic Bulk Heterojunction Solar Cells. <i>Scientific Reports</i> , 2018, 8, 9574.	3.3	23
14	Modelling of segmented high-performance thermoelectric generators with effects of thermal radiation, electrical and thermal contact resistances. <i>Scientific Reports</i> , 2016, 6, 24123.	3.3	109
15	Temperature gradient controlled crystal growth from TIPS pentacene-poly(\pm -methyl styrene) blends for improving performance of organic thin film transistors. <i>Organic Electronics</i> , 2016, 32, 195-199.	2.6	52
16	Solution-grown small-molecule organic semiconductor with enhanced crystal alignment and areal coverage for organic thin film transistors. <i>AIP Advances</i> , 2015, 5, .	1.3	48
17	Reciprocated suppression of polymer crystallization toward improved solid polymer electrolytes: Higher ion conductivity and tunable mechanical properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1450-1457.	2.1	24
18	Solution-based 5,6,11,12-tetrachlorotetracene crystal growth for high-performance organic thin film transistors. <i>Organic Electronics</i> , 2015, 22, 191-196.	2.6	46

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19	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
20	Air-stable solution-processed n-channel organic thin film transistors with polymer-enhanced morphology. Applied Physics Letters, 2015, 106, .	3.3	40
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	Improving performance of TIPS pentacene-based organic thin film transistors with small-molecule additives. Organic Electronics, 2014, 15, 150-155.	2.6	60
23	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
24	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
25	Grafting density effects, optoelectrical properties and nano-patterning of poly(para-phenylene) brushes. Journal of Materials Chemistry A, 2013, 1, 13426.	10.3	5
26	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
27	Air-flow navigated crystal growth for TIPS pentacene-based organic thin-film transistors. Organic Electronics, 2012, 13, 1819-1826.	2.6	61
28	Zinc oxide nanowires for biosensing applications. , 2011, , .		1
29	Enhanced Performance Consistency in Nanoparticle/TIPS Pentacene-Based Organic Thin Film Transistors. Advanced Functional Materials, 2011, 21, 3617-3623.	14.9	81
30	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
31	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