

Yiwei Zhang

List of Publications by Year in descending order

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36
papers

608
citations

686830

13
h-index

610482

24
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all docs

36
docs citations

36
times ranked

1256
citing authors

#	ARTICLE	IF	CITATIONS
1	Current Status of Outdoor Lifetime Testing of Organic Photovoltaics. <i>Advanced Science</i> , 2018, 5, 1800434.	5.6	73
2	Light-Soaking-Free Inverted Polymer Solar Cells with an Efficiency of 10.5% by Compositional and Surface Modifications to a Low-Temperature-Processed TiO ₂ Electron-Transport Layer. <i>Advanced Materials</i> , 2017, 29, 1604044.	11.1	68
3	PCDTBT based solar cells: one year of operation under real-world conditions. <i>Scientific Reports</i> , 2016, 6, 21632.	1.6	52
4	Understanding and controlling morphology evolution via DIO plasticization in PffBT4T-2OD/PC71BM devices. <i>Scientific Reports</i> , 2017, 7, 44269.	1.6	47
5	Large Crystalline Domains and an Enhanced Exciton Diffusion Length Enable Efficient Organic Solar Cells. <i>Chemistry of Materials</i> , 2019, 31, 6548-6557.	3.2	42
6	Long-range exciton diffusion in non-fullerene acceptors and coarse bulk heterojunctions enable highly efficient organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15687-15694.	5.2	33
7	Comparative indoor and outdoor stability measurements of polymer based solar cells. <i>Scientific Reports</i> , 2017, 7, 1305.	1.6	32
8	Impact of fluorine substitution upon the photovoltaic properties of benzothiadiazole-fluorene alternate copolymers. <i>RSC Advances</i> , 2015, 5, 46386-46394.	1.7	27
9	High efficiency arrays of polymer solar cells fabricated by spray-coating in air. <i>Progress in Photovoltaics: Research and Applications</i> , 2016, 24, 275-282.	4.4	27
10	Vertical stratification and its impact on device performance in a polycarbazole based copolymer solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4007-4015.	2.7	25
11	Tailoring exciton diffusion and domain size in photovoltaic small molecules by annealing. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7922-7928.	2.7	21
12	Exciton Self-Trapping Dynamics in 1D Perovskite Single Crystals: Effect of Quantum Tunnelling. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4509-4516.	2.1	20
13	Influence of grain size at first monolayer on bias-stress effect in pentacene-based thin film transistors. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	14
14	Effect of fullerene acceptor on the performance of solar cells based on PffBT4T-2OD. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19023-19029.	1.3	14
15	Fabricating high performance conventional and inverted polymer solar cells by spray coating in air. <i>Vacuum</i> , 2017, 139, 154-158.	1.6	13
16	Enhanced exciton harvesting in a planar heterojunction organic photovoltaic device by solvent vapor annealing. <i>Organic Electronics</i> , 2019, 70, 162-166.	1.4	11
17	Ultrafast two-photon optical switch using single crystal hybrid halide perovskites. <i>Optica</i> , 2021, 8, 735.	4.8	10
18	Polymer Light Emitting Diodes Powered via Paper-Mounted Electronics. <i>Journal of Display Technology</i> , 2016, 12, 583-588.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Interface limited hole extraction from methylammonium lead iodide films. <i>Materials Horizons</i> , 2020, 7, 943-948.	6.4	9
20	Pyrene-benzothiadiazole-based copolymers for application in photovoltaic devices. <i>Polymers for Advanced Technologies</i> , 2017, 28, 193-200.	1.6	8
21	Temperature-Dependent Gate Bias Stress Effect in Dioctylbenzothieno[2,3-b]benzothiophene-Based Thin-Film Transistor. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 1723-1727.	1.6	7
22	Does 1,8-diiodooctane affect the aggregation state of PC ₇₁ BM in solution?. <i>Royal Society Open Science</i> , 2018, 5, 180937.	1.1	7
23	A perovskite single crystal with one-dimensional structure enables photodetection with negligible hysteresis. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3470-3476.	2.7	6
24	Preparation and photovoltaic properties of pyrene-thieno[3,4-c]pyrrole-4,6-dione-based donor-acceptor polymers. <i>European Polymer Journal</i> , 2016, 85, 225-235.	2.6	5
25	Pyrene-benzo[1,2,5]thiadiazole based conjugated polymers for application in BHJ solar cells. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 484-491.	2.4	5
26	MoS ₂ /pentacene hybrid complementary inverter based photodetector with amplified voltage output. <i>Nanotechnology</i> , 2021, 32, 015203.	1.3	5
27	Triisopropylsilylacetylene-functionalised anthracene-alt-benzothiadiazole copolymers for application in bulk heterojunction solar cells. <i>RSC Advances</i> , 2015, 5, 101607-101615.	1.7	4
28	End-emitting nano organic light emitting diodes (OLEDs) with directional output. <i>Nanophotonics</i> , 2020, 9, 2905-2913.	2.9	4
29	An ultrastable perovskite-polymer exciplex through self energy-level adaption for under-water light-emitting devices. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8609-8616.	2.7	4
30	Phototransistors Based on Organic Small Molecules-Ruddlesden-Popper Layered Perovskite Single Crystal Heterojunctions. <i>Advanced Materials Interfaces</i> , 0, , 2101850.	1.9	3
31	Polymer Solar Cells: Light-Soaking-Free Inverted Polymer Solar Cells with an Efficiency of 10.5% by Compositional and Surface Modifications to a Low-Temperature-Processed TiO ₂ Electron-Transport Layer (Adv. Mater. 1/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	1
32	Secondary Exciplex by Electromer Mediated Charge Transfer for Multiband Electroluminescence. <i>ACS Macro Letters</i> , 2021, 10, 1236-1242.	2.3	1
33	Low-Temperature Discrimination of Defect States by Exciton Dynamics in Thin-Film MAPbBr ₃ Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6093-6100.	2.1	1
34	æœ%æœ°æœ°æ•â°æ™¶â½“ç©_jâ¼ç”µæœ°â¶â¸â…¶ç”³â°sæœ¸ç”ç©¶. <i>Chinese Science Bulletin</i> , 2013, 58, 2487-2494. 0		
35	Femtosecond optical switch using molecular two-photon absorption with multi-step charge dissociation. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	0
36	Amplified Spontaneous Emission of Perovskite in Water: Towards Under-water Lasing. <i>Materials Today Physics</i> , 2022, , 100686.	2.9	0