

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	Amplified Spontaneous Emission of Perovskite in Water: Towards Under-water Lasing. <i>Materials Today Physics</i> , 2022, , 100686.	2.9	0
2	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
3	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
4	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
5	Ultrafast two-photon optical switch using single crystal hybrid halide perovskites. <i>Optica</i> , 2021, 8, 735.	4.8	10
6	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
7	Secondary Exciplex by Electromer Mediated Charge Transfer for Multiband Electroluminescence. <i>ACS Macro Letters</i> , 2021, 10, 1236-1242.	2.3	1
8	MoS ₂ /pentacene hybrid complementary inverter based photodetector with amplified voltage output. <i>Nanotechnology</i> , 2021, 32, 015203.	1.3	5
9	Interface limited hole extraction from methylammonium lead iodide films. <i>Materials Horizons</i> , 2020, 7, 943-948.	6.4	9
10	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
11	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
12	End-emitting nano organic light emitting diodes (OLEDs) with directional output. <i>Nanophotonics</i> , 2020, 9, 2905-2913.	2.9	4
13	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
14	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
15	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
16	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
17	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
18	Current Status of Outdoor Lifetime Testing of Organic Photovoltaics. <i>Advanced Science</i> , 2018, 5, 1800434.	5.6	73

