

# Yu-Wei Su

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,410  
citations

394421

19  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2267  
citing authors

#	ARTICLE	IF	CITATIONS
1	A polymer donor with versatility for fabricating high-performance ternary organic photovoltaics. <i>Chemical Engineering Journal</i> , 2022, 431, 133950.	12.7	25
2	High-Performance organic photodiodes for Blue-Light hazard detection. <i>Chemical Engineering Journal</i> , 2022, 437, 135327.	12.7	19
3	Improved Blend Film Morphology and Free Carrier Generation Provide a High-Performance Ternary Polymer Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 1076-1085.	8.0	62
4	Nanocrystalline semiconductors for thin-film devices by microreactor-assisted chemical solution deposition. , 2021, , 167-194.		0
5	Optoelectronic Properties of a Benzodithiophene-Based Organic Photovoltaic. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 075003.	1.8	3
6	Realizing Stable High-Performance and Low-Energy-Loss Ternary Photovoltaics through Judicious Selection of the Third Component. <i>Solar Rrl</i> , 2021, 5, 2100450.	5.8	18
7	Density functional theory study of donor-acceptor conjugated polymers with substituent effect. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	4
8	Surface properties of buffer layers affect the performance of PM6:Y6-based organic photovoltaics. <i>Organic Electronics</i> , 2020, 87, 105944.	2.6	19
9	Efficient Charge Transfer and Carrier Extraction in All-Polymer Solar Cells Using an Acceptor Filler. <i>ACS Applied Energy Materials</i> , 2020, 3, 4217-4225.	5.1	6
10	Enhancing performance of ternary blend photovoltaics by tuning the side chains of two-dimensional conjugated polymer. <i>Organic Electronics</i> , 2019, 71, 185-193.	2.6	22
11	Characterization and Optimization of Silver-Modified In <sub>0.2</sub> Cd <sub>0.8</sub> S-Based Photocatalysts. <i>ACS Omega</i> , 2019, 4, 21214-21222.	3.5	5
12	Si-Bridged Ladder-Type Small-Molecule Acceptors for High-Performance Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1125-1134.	8.0	15
13	Investigation of CdS nanoparticles formation and deposition by the continuous flow microreactor. <i>Applied Surface Science</i> , 2019, 472, 158-164.	6.1	8
14	Dual nanocomposite carrier transport layers enhance the efficiency of planar perovskite photovoltaics. <i>RSC Advances</i> , 2018, 8, 12526-12534.	3.6	20
15	Molecular engineering of side chain architecture of conjugated polymers enhances performance of photovoltaics by tuning ternary blend structures. <i>Nano Energy</i> , 2018, 43, 138-148.	16.0	51
16	Fluorene Conjugated Polymer/Nickel Oxide Nanocomposite Hole Transport Layer Enhances the Efficiency of Organic Photovoltaic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2232-2239.	8.0	20
17	Evolving molecular architectures of donor-acceptor conjugated polymers for photovoltaic applications: from one-dimensional to branched to two-dimensional structures. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24051-24075.	10.3	97
18	High-Efficiency Organic Tandem Solar Cells With Effective Transition Metal Chelates Interconnecting Layer. <i>Solar Rrl</i> , 2017, 1, 1700139.	5.8	19

#	ARTICLE	IF	CITATIONS
19	Energy transfer within small molecule/conjugated polymer blends enhances photovoltaic efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18053-18063.	10.3	51
20	Block Copolymer-Tuned Fullerene Electron Transport Layer Enhances the Efficiency of Perovskite Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 24603-24611.	8.0	37
21	A block copolymer enhances the efficiency of small-molecule bulk-heterojunction photovoltaics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2228-2235.	10.3	18
22	Solution-Processed Zinc Oxide/Polyethylenimine Nanocomposites as Tunable Electron Transport Layers for Highly Efficient Bulk Heterojunction Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6273-6281.	8.0	120
23	The effects of gallium on solution-derived indium oxide-based thin film transistors manufactured on display glass. <i>RSC Advances</i> , 2015, 5, 93779-93785.	3.6	7
24	Structural Evolution of Crystalline Conjugated Polymer/Fullerene Domains from Solution to the Solid State in the Presence and Absence of an Additive. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3408-3417.	3.1	20
25	Linear solubilizing side chain substituents enhance the photovoltaic properties of two-dimensional conjugated benzodithiophene-based polymers. <i>Polymer</i> , 2015, 79, 262-270.	3.8	21
26	Quantum Dots: Conjugated Polymer/Nanocrystal Nanocomposites for Renewable Energy Applications in Photovoltaics and Photocatalysis (Small 22/2014). <i>Small</i> , 2014, 10, 4426-4426.	10.0	1
27	Complementary solvent additives tune the orientation of polymer lamellae, reduce the sizes of aggregated fullerene domains, and enhance the performance of bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20760-20769.	10.3	76
28	Conjugated Polymer/Nanocrystal Nanocomposites for Renewable Energy Applications in Photovoltaics and Photocatalysis. <i>Small</i> , 2014, 10, 4427-4442.	10.0	96
29	Dense CdS thin films on fluorine-doped tin oxide coated glass by high-rate microreactor-assisted solution deposition. <i>Thin Solid Films</i> , 2013, 532, 16-21.	1.8	21
30	Distribution of Crystalline Polymer and Fullerene Clusters in Both Horizontal and Vertical Directions of High-Efficiency Bulk Heterojunction Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 5413-5422.	8.0	28
31	Organic photovoltaics. <i>Materials Today</i> , 2012, 15, 554-562.	14.2	391
32	Inkjet printed chalcopyrite $\text{CuIn}_x\text{Ga}_{1-x}\text{Se}_2$ thin film solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 2616-2620.	6.2	110