

# Yu-Che Hsiao, Yu-Jer Hsiao

## List of Publications by Year in descending order

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19  
papers

579  
citations

687363

13  
h-index

839539

18  
g-index

19  
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19  
docs citations

19  
times ranked

1296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating underlying mechanism in spectral narrowing phenomenon induced by microcavity in organic light emitting diodes. <i>Nature Communications</i> , 2019, 10, 1614.	12.8	33
2	Effect of Photogenerated Dipoles in the Hole Transport Layer on Photovoltaic Performance of Organic-Inorganic Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601575.	19.5	54
3	n and p-type properties in organo-metal halide perovskites studied by Seebeck effects. <i>Organic Electronics</i> , 2016, 35, 216-220.	2.6	15
4	Revealing optically induced dipole-dipole interaction effects on charge dissociation at donor:acceptor interfaces in organic solar cells under device-operating condition. <i>Nano Energy</i> , 2016, 26, 595-602.	16.0	18
5	Enhanced $\pi$ - $\pi^*$ Electron Coupling in the Excited State by Combining Intramolecular Charge-Transfer States with Surface-Modified Magnetic Nanoparticles in Organic-Magnetic Nanocomposites. <i>Advanced Electronic Materials</i> , 2015, 1, 1500058.	5.1	5
6	Effects of a ferroelectric interface on thermionic injection-induced cooling in single-heterojunction devices based on thin-film electrode/medium/electrode design. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14431-14437.	10.3	0
7	Addressing dynamic photovoltaic processes at electrode:active layer and donor:acceptor interfaces in organic solar cells under device-operating conditions. <i>Science China Chemistry</i> , 2015, 58, 239-247.	8.2	5
8	Dynamic Coupling between Electrode Interface and Donor/Acceptor Interface via Charge Dissociation in Organic Solar Cells at Device-Operating Condition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2727-2732.	3.1	10
9	Magneto-Optical Studies on Spin-Dependent Charge Recombination and Dissociation in Perovskite Solar Cells. <i>Advanced Materials</i> , 2015, 27, 2899-2906.	21.0	109
10	Fundamental physics behind high-efficiency organo-metal halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15372-15385.	10.3	120
11	Distinguishing the Importance of Fullerene Phase Separation from Polymer Ordering in the Performance of Low Band Gap Polymer:Bis-Fullerene Heterojunctions. <i>Advanced Functional Materials</i> , 2014, 24, 7284-7290.	14.9	19
12	Tuning the Morphology and Performance of Low Bandgap Polymer:Fullerene Heterojunctions via Solvent Annealing in Selective Solvents. <i>Advanced Functional Materials</i> , 2014, 24, 5129-5136.	14.9	45
13	Origin of the fill factor loss in bulk-heterojunction organic solar cells. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	32
14	Dielectric Interface Effects on Surface Charge Accumulation and Collection towards High-Efficiency Organic Solar Cells. <i>Journal of Applied Physics</i> , 2014, 115, 154506.	2.5	19
15	The Impact of Fullerene Structure on Its Miscibility with P3HT and Its Correlation of Performance in Organic Photovoltaics. <i>Chemistry of Materials</i> , 2014, 26, 3993-4003.	6.7	25
16	Control of morphology and function of low band gap polymer-bis-fullerene mixed heterojunctions in organic photovoltaics with selective solvent vapor annealing. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9883.	10.3	28
17	Surface-charge accumulation effects on open-circuit voltage in organic solar cells based on photoinduced impedance analysis. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4971-4976.	2.8	31
18	Properties of novel polyimides containing bismaleimide and cyclic phosphine oxide. <i>Journal of Polymer Research</i> , 2009, 16, 673-680.	2.4	5

#	ARTICLE	IF	CITATIONS
19	Preparation and characterization of PDLC films formed using a two-step procedure. <i>Advances in Polymer Technology</i> , 2007, 26, 14-20.	1.7	6