

Wei-Hsuan Chang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21 papers	6,828 citations	17 h-index	22 g-index
22 ext. papers	7,403 ext. citations	18 avg, IF	5.75 L-index

#	Paper	IF	Citations
21	Simulation of Particle Trajectory under Laminar Flow for MDDS Application. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1	1.8	
20	Simulation and Observation of Magnetic Particles Captured in Fluids Using High Temperature Superconductor Bulk. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 1-1	1.8	1
19	Low-bandgap conjugated polymers enabling solution-processable tandem solar cells. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	229
18	Improved air stability of perovskite solar cells via solution-processed metal oxide transport layers. <i>Nature Nanotechnology</i> , 2016 , 11, 75-81	28.7	1614
17	Perovskite Solar Cells Employing Dopant-Free Organic Hole Transport Materials with Tunable Energy Levels. <i>Advanced Materials</i> , 2016 , 28, 440-6	24	217
16	Working Mechanism for Flexible Perovskite Solar Cells with Simplified Architecture. <i>Nano Letters</i> , 2015 , 15, 6514-20	11.5	82
15	High-performance multiple-donor bulk heterojunction solar cells. <i>Nature Photonics</i> , 2015 , 9, 190-198	33.9	440
14	A Selenophene Containing Benzodithiophene-alt-thienothiophene Polymer for Additive-Free High Performance Solar Cell. <i>Macromolecules</i> , 2015 , 48, 562-568	5.5	52
13	Perovskite/polymer monolithic hybrid tandem solar cells utilizing a low-temperature, full solution process. <i>Materials Horizons</i> , 2015 , 2, 203-211	14.4	127
12	Solution-processed hybrid perovskite photodetectors with high detectivity. <i>Nature Communications</i> , 2014 , 5, 5404	17.4	1749
11	Side-Chain Tunability via Triple Component Random Copolymerization for Better Photovoltaic Polymers. <i>Advanced Energy Materials</i> , 2014 , 4, 1300864	21.8	76
10	An efficient triple-junction polymer solar cell having a power conversion efficiency exceeding 11%. <i>Advanced Materials</i> , 2014 , 26, 5670-7	24	718
9	Improving Structural Order for a High-Performance Diketopyrrolopyrrole-Based Polymer Solar Cell with a Thick Active Layer. <i>Advanced Energy Materials</i> , 2014 , 4, 1300739	21.8	39
8	Moisture assisted perovskite film growth for high performance solar cells. <i>Applied Physics Letters</i> , 2014 , 105, 183902	3.4	598
7	Elucidating double aggregation mechanisms in the morphology optimization of diketopyrrolopyrrole-based narrow bandgap polymer solar cells. <i>Advanced Materials</i> , 2014 , 26, 3142-7	24	47
6	A selenium-substituted low-bandgap polymer with versatile photovoltaic applications. <i>Advanced Materials</i> , 2013 , 25, 825-31	24	370
5	High-performance semi-transparent polymer solar cells possessing tandem structures. <i>Energy and Environmental Science</i> , 2013 , 6, 2714	35.4	154

4	Synthesis of 5H-Dithieno[3,2-b:2',3'-d]pyran as an Electron-Rich Building Block for Donor-Acceptor Type Low-Bandgap Polymers. <i>Macromolecules</i> , 2013 , 46, 4734-4734	5.5	7
3	Synthesis of 5H-Dithieno[3,2-b:2',3'-d]pyran as an Electron-Rich Building Block for Donor-Acceptor Type Low-Bandgap Polymers. <i>Macromolecules</i> , 2013 , 46, 3384-3390	5.5	273
2	Synthesis, micellar structures, and multifunctional sensory properties of poly(3-hexylthiophene)-block-poly(2-(dimethylamino)ethyl methacrylate) rod-coil diblock copolymers. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 147-155	2.5	26
1	Thin film morphologies of pi-conjugated rod-coil block copolymers with thermoresponsive property: a combined experimental and molecular simulation study. <i>Journal of Chemical Physics</i> , 2010 , 132, 214901	3.9	4