Wei-Hsuan Chang

List of Publications by Year
in descending order

21 papers	7,944 citations	471509 17 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	11639 citing authors

#	Article	IF	Citations
1	Simulation of Particle Trajectory Under Laminar Flow for MDDS Application. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	0
2	Simulation and Observation of Magnetic Particles Captured in Fluids Using High Temperature Superconductor Bulk. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	1
3	Low-bandgap conjugated polymers enabling solution-processable tandem solar cells. Nature Reviews Materials, 2017, 2, .	48.7	284
4	Perovskite Solar Cells Employing Dopantâ€Free Organic Hole Transport Materials with Tunable Energy Levels. Advanced Materials, 2016, 28, 440-446.	21.0	249
5	Improved air stability of perovskite solar cells via solution-processed metal oxide transport layers. Nature Nanotechnology, 2016, 11, 75-81.	31.5	1,890
6	High-performance multiple-donor bulk heterojunction solar cells. Nature Photonics, 2015, 9, 190-198.	31.4	489
7	A Selenophene Containing Benzodithiophene-alt-thienothiophene Polymer for Additive-Free High Performance Solar Cell. Macromolecules, 2015, 48, 562-568.	4.8	59
8	Perovskite/polymer monolithic hybrid tandem solar cells utilizing a low-temperature, full solution process. Materials Horizons, 2015, 2, 203-211.	12.2	148
9	Working Mechanism for Flexible Perovskite Solar Cells with Simplified Architecture. Nano Letters, 2015, 15, 6514-6520.	9.1	91
10	Moisture assisted perovskite film growth for high performance solar cells. Applied Physics Letters, 2014, 105, .	3.3	667
11	Elucidating Double Aggregation Mechanisms in the Morphology Optimization of Diketopyrrolopyrroleâ€Based Narrow Bandgap Polymer Solar Cells. Advanced Materials, 2014, 26, 3142-3147.	21.0	52
12	Solution-processed hybrid perovskite photodetectors with high detectivity. Nature Communications, 2014, 5, 5404.	12.8	2,214
13	Sideâ€Chain Tunability via Triple Component Random Copolymerization for Better Photovoltaic Polymers. Advanced Energy Materials, 2014, 4, 1300864.	19.5	81
14	An Efficient Tripleâ€Junction Polymer Solar Cell Having a Power Conversion Efficiency Exceeding 11%. Advanced Materials, 2014, 26, 5670-5677.	21.0	752
15	Improving Structural Order for a Highâ€Performance Diketopyrrolopyrroleâ€Based Polymer Solar Cell with a Thick Active Layer. Advanced Energy Materials, 2014, 4, 1300739.	19.5	43
16	A Seleniumâ€Substituted Lowâ€Bandgap Polymer with Versatile Photovoltaic Applications. Advanced Materials, 2013, 25, 825-831.	21.0	396
17	High-performance semi-transparent polymer solar cells possessing tandem structures. Energy and Environmental Science, 2013, 6, 2714.	30.8	170
18	Synthesis of 5H-Dithieno[3,2-b:2â€²,3â€²-d]pyran as an Electron-Rich Building Block for Donorâ€“Acceptor Type Low-Bandgap Polymers. Macromolecules, 2013, 46, 4734-4734.	4.8	17

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19	Synthesis of 5H-Dithieno[3,2-b:2â€²,3â€²-d]pyran as an Electron-Rich Building Block for Donorâ€“Acceptor Type Low-Bandgap Polymers. Macromolecules, 2013, 46, 3384-3390.	4.8	299
20	Synthesis, micellar structures, and multifunctional sensory properties of poly(3â€hexylthiophene)â€blockâ€poly(2â€(dimethylamino)ethyl methacrylate) rodâ€coil diblock copolymers. Journal of Polymer Science Part A, 2011, 49, 147-155.	2.3	27
21	Thin film morphologies of Ï€-conjugated rod-coil block copolymers with thermoresponsive property: A combined experimental and molecular simulation study. Journal of Chemical Physics, 2010, 132, 214901.	3.0	4