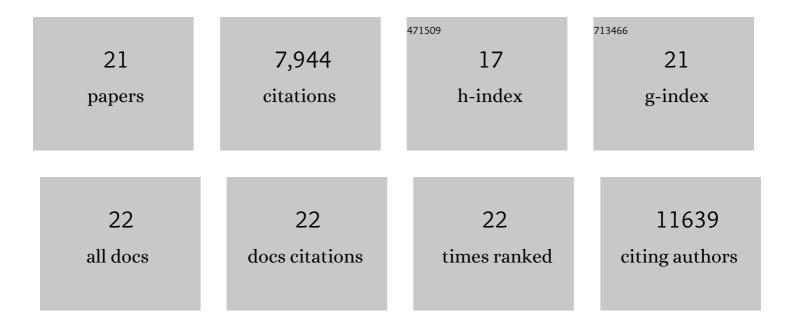
## Wei-Hsuan Chang

List of Publications by Year in descending order

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| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Solution-processed hybrid perovskite photodetectors with high detectivity. Nature Communications, 2014, 5, 5404.  | 12.8 | 2,214     |
| 2  | Improved air stability of perovskite solar cells via solution-processed metal oxide transport layers.<br>Nature Nanotechnology, 2016, 11, 75-81.  | 31.5 | 1,890     |
| 3  | An Efficient Tripleâ€Junction Polymer Solar Cell Having a Power Conversion Efficiency Exceeding 11%.<br>Advanced Materials, 2014, 26, 5670-5677.  | 21.0 | 752       |
| 4  | Moisture assisted perovskite film growth for high performance solar cells. Applied Physics Letters, 2014, 105, .  | 3.3  | 667       |
| 5  | High-performance multiple-donor bulk heterojunction solar cells. Nature Photonics, 2015, 9, 190-198.  | 31.4 | 489       |
| 6  | A Selenium‣ubstituted Lowâ€Bandgap Polymer with Versatile Photovoltaic Applications. Advanced<br>Materials, 2013, 25, 825-831.  | 21.0 | 396       |
| 7  | Synthesis of 5 <i>H</i> -Dithieno[3,2- <i>b</i> :2′,3′- <i>d</i> ]pyran as an Electron-Rich Building Block for<br>Donor–Acceptor Type Low-Bandgap Polymers. Macromolecules, 2013, 46, 3384-3390.  | 4.8  | 299       |
| 8  | Low-bandgap conjugated polymers enabling solution-processable tandem solar cells. Nature Reviews<br>Materials, 2017, 2, .   | 48.7 | 284       |
| 9  | Perovskite Solar Cells Employing Dopantâ€Free Organic Hole Transport Materials with Tunable Energy<br>Levels. Advanced Materials, 2016, 28, 440-446.  | 21.0 | 249       |
| 10 | High-performance semi-transparent polymer solar cells possessing tandem structures. Energy and Environmental Science, 2013, 6, 2714.  | 30.8 | 170       |
| 11 | Perovskite/polymer monolithic hybrid tandem solar cells utilizing a low-temperature, full solution process. Materials Horizons, 2015, 2, 203-211.   | 12.2 | 148       |
| 12 | Working Mechanism for Flexible Perovskite Solar Cells with Simplified Architecture. Nano Letters, 2015, 15, 6514-6520.  | 9.1  | 91        |
| 13 | Side hain Tunability via Triple Component Random Copolymerization for Better Photovoltaic<br>Polymers. Advanced Energy Materials, 2014, 4, 1300864.   | 19.5 | 81        |
| 14 | A Selenophene Containing Benzodithiophene- <i>alt</i> -thienothiophene Polymer for Additive-Free<br>High Performance Solar Cell. Macromolecules, 2015, 48, 562-568.   | 4.8  | 59        |
| 15 | Elucidating Double Aggregation Mechanisms in the Morphology Optimization of<br>Diketopyrrolopyrroleâ€Based Narrow Bandgap Polymer Solar Cells. Advanced Materials, 2014, 26,<br>3142-3147.  | 21.0 | 52        |
| 16 | Improving Structural Order for a Highâ€Performance Diketopyrrolopyrroleâ€Based Polymer Solar Cell<br>with a Thick Active Layer. Advanced Energy Materials, 2014, 4, 1300739.  | 19.5 | 43        |
| 17 | Synthesis, micellar structures, and multifunctional sensory properties of<br>poly(3â€hexylthiophene)â€ <i>block</i> â€poly(2â€(dimethylamino)ethyl methacrylate) rodâ€coil diblock<br>copolymers. Journal of Polymer Science Part A, 2011, 49, 147-155. | 2.3  | 27        |
| 18 | Synthesis of 5 <i>H</i> -Dithieno[3,2- <i>b</i> :2′,3′- <i>d</i> ]pyran as an Electron-Rich Building Block for<br>Donor–Acceptor Type Low-Bandgap Polymers, Macromolecules, 2013, 46, 4734-4734.  | 4.8  | 17        |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Thin film morphologies of π-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         |
| 20 | 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         |
| 21 | Simulation of Particle Trajectory Under Laminar Flow for MDDS Application. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.  | 1.7 | Ο         |