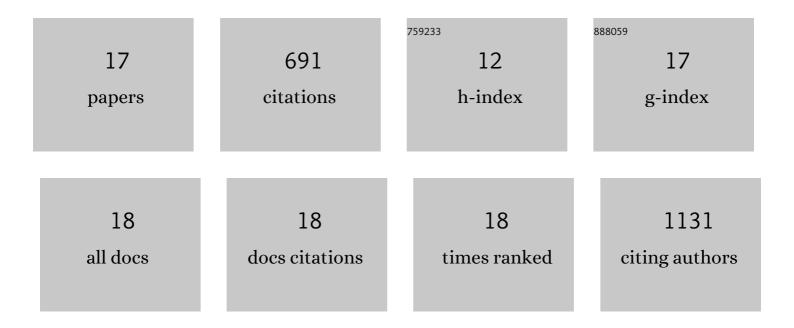
Sung Yun Son

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7929638/publications.pdf Version: 2024-02-01



SUNC YUN SON

#	Article	IF	CITATIONS
1	Hole Transport Materials in Conventional Structural (n–i–p) Perovskite Solar Cells: From Past to the Future. Advanced Energy Materials, 2020, 10, 1903403.	19.5	192
2	Exploiting ï€â€"ï€ Stacking for Stretchable Semiconducting Polymers. Macromolecules, 2018, 51, 2572-2579.	4.8	104
3	A Short Review on Interface Engineering of Perovskite Solar Cells: A Selfâ€Assembled Monolayer and Its Roles. Solar Rrl, 2020, 4, 1900251.	5.8	75
4	Green-solvent-processable organic semiconductors and future directions for advanced organic electronics. Journal of Materials Chemistry A, 2020, 8, 21455-21473.	10.3	51
5	Improving the Photovoltaic Performance and Mechanical Stability of Flexible All-Polymer Solar Cells via Tailoring Intermolecular Interactions. Chemistry of Materials, 2019, 31, 5047-5055.	6.7	48
6	Study of Burnâ€In Loss in Green Solventâ€Processed Ternary Blended Organic Photovoltaics Derived from UVâ€Crosslinkable Semiconducting Polymers and Nonfullerene Acceptors. Advanced Energy Materials, 2019, 9, 1901829.	19.5	47
7	Understanding of Face-On Crystallites Transitioning to Edge-On Crystallites in Thiophene-Based Conjugated Polymers. Chemistry of Materials, 2021, 33, 4541-4550.	6.7	33
8	A donor–acceptor semiconducting polymer with a random configuration for efficient, green-solvent-processable flexible solar cells. Journal of Materials Chemistry A, 2018, 6, 24580-24587.	10.3	20
9	Control of Crystallite Orientation in Diketopyrrolopyrrole-Based Semiconducting Polymers via Tuning of Intermolecular Interactions. ACS Applied Materials & Interfaces, 2019, 11, 10751-10757.	8.0	20
10	Integrating charge mobility, stability and stretchability within conjugated polymer films for stretchable multifunctional sensors. Nature Communications, 2022, 13, 2739.	12.8	20
11	Role of Disorder in the Extent of Interchain Delocalization and Polaron Generation in Polythiophene Crystalline Domains. Journal of Physical Chemistry Letters, 2018, 9, 3173-3180.	4.6	17
12	Charge Trapping in a Low-Crystalline High-Mobility Conjugated Polymer and Its Effects on the Operational Stability of Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2021, 13, 16722-16731.	8.0	16
13	Thermocleavage of Partial Side Chains in Polythiophenes Offers Appreciable Photovoltaic Efficiency and Significant Morphological Stability. Chemistry of Materials, 2021, 33, 4745-4756.	6.7	11
14	Backbone Randomization in Conjugated Polymer-Based Hole-Transport Materials to Enhance the Efficiencies of Perovskite Solar Cells. Chemistry of Materials, 2022, 34, 4856-4864.	6.7	11
15	Positioning lithium ions by host–guest chemistry combined with selfâ€assembly using a thiopheneâ€based allâ€conjugated amphiphilic block copolymer. Journal of Polymer Science Part A, 2014, 52, 1068-1074.	2.3	5
16	In-depth optical characterization of poly(3-hexylthiophene) after formation of nanosecond laser-induced periodic surface structures. Nanoscale, 2019, 11, 7567-7571.	5.6	3
17	Organic Photovoltaics: Study of Burnâ€In Loss in Green Solventâ€Processed Ternary Blended Organic Photovoltaics Derived from UVâ€Crosslinkable Semiconducting Polymers and Nonfullerene Acceptors (Adv. Energy Mater. 34/2019). Advanced Energy Materials, 2019, 9, 1970133.	19.5	0