

Sung Yun Son

List of Publications by Year in descending order

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17
papers

691
citations

759233

12
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888059

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docs citations

18
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	Hole Transport Materials in Conventional Structural (nâ€“iâ€“p) Perovskite Solar Cells: From Past to the Future. <i>Advanced Energy Materials</i> , 2020, 10, 1903403.	19.5	192
2	Exploiting Î€â€“Î€ Stacking for Stretchable Semiconducting Polymers. <i>Macromolecules</i> , 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. <i>Solar Rrl</i> , 2020, 4, 1900251.	5.8	75
4	Green-solvent-processable organic semiconductors and future directions for advanced organic electronics. <i>Journal of Materials Chemistry A</i> , 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. <i>Chemistry of Materials</i> , 2019, 31, 5047-5055.	6.7	48
6	Study of Burnâ€“n Loss in Green Solventâ€“Processed Ternary Blended Organic Photovoltaics Derived from UVâ€“Crosslinkable Semiconducting Polymers and Nonfullerene Acceptors. <i>Advanced Energy Materials</i> , 2019, 9, 1901829.	19.5	47
7	Understanding of Face-On Crystallites Transitioning to Edge-On Crystallites in Thiophene-Based Conjugated Polymers. <i>Chemistry of Materials</i> , 2021, 33, 4541-4550.	6.7	33
8	A donorâ€“acceptor semiconducting polymer with a random configuration for efficient, green-solvent-processable flexible solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24580-24587.	10.3	20
9	Control of Crystallite Orientation in Diketopyrrolopyrrole-Based Semiconducting Polymers via Tuning of Intermolecular Interactions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10751-10757.	8.0	20
10	Integrating charge mobility, stability and stretchability within conjugated polymer films for stretchable multifunctional sensors. <i>Nature Communications</i> , 2022, 13, 2739.	12.8	20
11	Role of Disorder in the Extent of Interchain Delocalization and Polaron Generation in Polythiophene Crystalline Domains. <i>Journal of Physical Chemistry Letters</i> , 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. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16722-16731.	8.0	16
13	Thermocleavage of Partial Side Chains in Polythiophenes Offers Appreciable Photovoltaic Efficiency and Significant Morphological Stability. <i>Chemistry of Materials</i> , 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. <i>Chemistry of Materials</i> , 2022, 34, 4856-4864.	6.7	11
15	Positioning lithium ions by hostâ€“guest chemistry combined with selfâ€“assembly using a thiopheneâ€“based allâ€“conjugated amphiphilic block copolymer. <i>Journal of Polymer Science Part A</i> , 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. <i>Nanoscale</i> , 2019, 11, 7567-7571.	5.6	3
17	Organic Photovoltaics: Study of Burnâ€“n Loss in Green Solventâ€“Processed Ternary Blended Organic Photovoltaics Derived from UVâ€“Crosslinkable Semiconducting Polymers and Nonfullerene Acceptors (<i>Adv. Energy Mater.</i> 34/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970133.	19.5	0