

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 | Integrating charge mobility, stability and stretchability within conjugated polymer films for stretchable multifunctional sensors. <i>Nature Communications</i> , 2022, 13, 2739. | 12.8 | 20 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | A Short Review on Interface Engineering of Perovskite Solar Cells: A Self-Assembled Monolayer and Its Roles. <i>Solar Rrl</i> , 2020, 4, 1900251. | 5.8 | 75 |
| 7 | 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 |
| 8 | Hole Transport Materials in Conventional Structural (n-i-p) Perovskite Solar Cells: From Past to the Future. <i>Advanced Energy Materials</i> , 2020, 10, 1903403. | 19.5 | 192 |
| 9 | Study of Burn-In Loss in Green Solvent-Processed Ternary Blended Organic Photovoltaics Derived from UV-Crosslinkable Semiconducting Polymers and Nonfullerene Acceptors. <i>Advanced Energy Materials</i> , 2019, 9, 1901829. | 19.5 | 47 |
| 10 | Organic Photovoltaics: Study of Burn-In Loss in Green Solvent-Processed Ternary Blended Organic Photovoltaics Derived from UV-Crosslinkable Semiconducting Polymers and Nonfullerene Acceptors (Adv. Energy Mater. 34/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970133. | 19.5 | 0 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Exploiting π - π Stacking for Stretchable Semiconducting Polymers. <i>Macromolecules</i> , 2018, 51, 2572-2579. | 4.8 | 104 |
| 15 | A donor-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 |
| 16 | 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 |
| 17 | Positioning lithium ions by host-guest chemistry combined with self-assembly using a thiophene-based all-conjugated amphiphilic block copolymer. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1068-1074. | 2.3 | 5 |