

Sung Cheol Yoon

List of Publications by Year in descending order

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16
papers

290
citations

759233

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16
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Significant Dark Current Suppression in Organic Photodetectors Using Side Chain Fluorination of Conjugated Polymer. <i>Advanced Functional Materials</i> , 2022, 32, 2108026.	14.9	28
2	Toward color-selective printed organic photodetectors for high-resolution image sensors: From fundamentals to potential commercialization. <i>Materials Science and Engineering Reports</i> , 2022, 147, 100660.	31.8	28
3	Significant Dark Current Suppression in Organic Photodetectors Using Side Chain Fluorination of Conjugated Polymer (<i>Adv. Funct. Mater.</i> 4/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	0
4	Highly Sensitive and Durable Organic Photodiodes Based on Long-Term Storable NiO Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14410-14421.	8.0	1
5	Recent progress of ultra-narrow-bandgap polymer donors for NIR-absorbing organic solar cells. <i>Nanoscale Advances</i> , 2021, 3, 4306-4320.	4.6	22
6	Enhanced Static and Dynamic Properties of Highly Miscible Fullerene-Free Green-Selective Organic Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 25164-25174.	8.0	16
7	Eco-compatible and highly efficient organic solar cells with an aggregation-controlled terpolymer strategy. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27551-27559.	10.3	6
8	Roll-to-roll compatible quinoxaline-based polymers toward high performance polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25208-25216.	10.3	14
9	Orthogonal Printable Reduced Graphene Oxide 2D Materials as Hole Transport Layers for High-Performance Inverted Polymer Solar Cells: Sheet Size Effect on Photovoltaic Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42811-42820.	8.0	14
10	Enhancement of Photovoltaic Performance in Immiscible Ternary Blends. <i>ACS Applied Energy Materials</i> , 2020, 3, 5313-5321.	5.1	6
11	Composite Interlayer Consisting of Alcohol-Soluble Polyfluorene and Carbon Nanotubes for Efficient Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14244-14253.	8.0	17
12	High-Performance Near-Infrared Absorbing n-Type Porphyrin Acceptor for Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41344-41349.	8.0	37
13	Visible-Light-Responsive High-Detectivity Organic Photodetectors with a 1 μ m Thick Active Layer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38294-38301.	8.0	35
14	Synthesis and characterization of a wide bandgap polymer based on a weak donor-weak acceptor structure for dual applications in organic solar cells and organic photodetectors. <i>Organic Electronics</i> , 2017, 46, 173-182.	2.6	18
15	Dark current reduction strategies using edge-on aligned donor polymers for high detectivity and responsivity organic photodetectors. <i>Polymer Chemistry</i> , 2017, 8, 3612-3621.	3.9	35
16	Development of a julolidine-based interfacial modifier for efficient inverted polymer solar cells. <i>RSC Advances</i> , 2015, 5, 107540-107546.	3.6	13