

# Sung Cheol Yoon

## List of Publications by Year in descending order

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16  
papers

290  
citations

759233

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h-index

996975

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16  
docs citations

16  
times ranked

430  
citing authors

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