

Jin Hong Kim

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Organic 2D Optoelectronic Crystals: Charge Transport, Emerging Functions, and Their Design Perspective. <i>Advanced Materials</i> , 2018, 30, e1704759.	21.0	161
2	Stimuli-Responsive Reversible Fluorescence Switching in a Crystalline Donor-Acceptor Mixture Film: Mixed Stack Charge-Transfer Emission versus Segregated Stack Monomer Emission. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 203-207.	13.8	147
3	Highly Luminescent 2D-Type Slab Crystals Based on a Molecular Charge-Transfer Complex as Promising Organic Light-Emitting Transistor Materials. <i>Advanced Materials</i> , 2017, 29, 1701346.	21.0	111
4	An Efficient Narrowband Near-Infrared at 1040 nm Organic Photodetector Realized by Intermolecular Charge Transfer Mediated Coupling Based on a Squaraine Dye. <i>Advanced Materials</i> , 2021, 33, e2100582.	21.0	88
5	Slip-Stacked Aggregate Materials for Organic Solar Cells and Photodetectors. <i>Advanced Materials</i> , 2022, 34, e2104678.	21.0	77
6	Design, Synthesis, and Versatile Processing of Indolo[3,2-b]indole-Based π -Conjugated Molecules for High-Performance Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2016, 26, 2966-2973.	14.9	54
7	Self-Assembled Organic Single Crystalline Nanosheet for Solution Processed High-Performance n-Channel Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 6011-6015.	21.0	35
8	Synthesis of nitrogen and boron co-doped carbon (CNB) and their CO ₂ capture properties: from porous to hollow granule structure. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16645-16651.	10.3	32
9	High-surface area ceramic-derived boron-nitride and its hydrogen uptake properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1014-1017.	10.3	28
10	Designing Thermally Stable Conjugated Polymers with Balanced Ambipolar Field-Effect Mobilities by Incorporating Cyanovinylene Linker Unit. <i>Macromolecules</i> , 2016, 49, 2985-2992.	4.8	27
11	A Novel Bis-Lactam Acceptor with Outstanding Molar Extinction Coefficient and Structural Planarity for Donor-Acceptor Type Conjugated Polymer. <i>Macromolecules</i> , 2016, 49, 8489-8497.	4.8	26
12	Double J-Coupling Strategy for Near Infrared Emitters. <i>Journal of the American Chemical Society</i> , 2021, 143, 11946-11950.	13.7	26
13	Patterned Taping: A High-Efficiency Soft Lithographic Method for Universal Thin Film Patterning. <i>ACS Nano</i> , 2016, 10, 3478-3485.	14.6	22
14	Fabrication of Pixelated Organic Light-Emitting Transistor (OLET) with a Pure Red-Emitting Organic Semiconductor. <i>Advanced Optical Materials</i> , 2019, 7, 1901274.	7.3	19
15	Dicyanovinyl-substituted indolo[3,2-b]indole derivatives: low-band-gap π -conjugated molecules for a single-component ambipolar organic field-effect transistor. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9460-9468.	5.5	16
16	Biofunctionalized Ceramic with Self-Assembled Networks of Nanochannels. <i>ACS Nano</i> , 2015, 9, 4447-4457.	14.6	15
17	Green-Sensitive Phototransistor Based on Solution-Processed 2D n-Type Organic Single Crystal. <i>Advanced Electronic Materials</i> , 2019, 5, 1900478.	5.1	15
18	Structural and Electronic Origin of Bis-Lactam-Based High-Performance Organic Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8301-8309.	8.0	12

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19	Unraveling the Origin of High-Efficiency Photoluminescence in Mixed-Stack Isostructural Crystals of Organic Charge-Transfer Complex: Fine-Tuning of Isometric Donor-Acceptor Pairs. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20377-20387.	3.1	10
20	Semitransparent Layers of Self-Sorting Merocyanine Dyes for Ultranarrow Bandwidth Organic Photodiodes. <i>Advanced Optical Materials</i> , 2021, 9, 2100213.	7.3	9
21	Novel Organic Semiconductors Based on 1,5-Naphthyridine-2,6-Dione Unit for Blue-Selective Organic Phototransistor. <i>Advanced Optical Materials</i> , 2020, 8, 2000695.	7.3	8
22	Tuning the charge transport properties of dicyanodistyrylbenzene derivatives by the number of fluorine substituents. <i>Synthetic Metals</i> , 2016, 216, 51-58.	3.9	6
23	Effects of substituents on intermolecular interaction, morphology, and charge transport of novel bis-lactam-based molecules. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	5
24	Effect of Alkyl Chain Lengths of Highly Crystalline Nonfullerene Acceptors on Open-Circuit Voltage of All-Small-Molecule Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 259-267.	5.1	4