

# Kyusun Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12104130/publications.pdf>

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papers

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1163117

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docs citations

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519  
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#	ARTICLE	IF	CITATIONS
1	Accelerated Design of High-Efficiency Lead-Free Tin Perovskite Solar Cells via Machine Learning. International Journal of Precision Engineering and Manufacturing - Green Technology, 2023, 10, 109-121.	4.9	9
2	Homogeneously Miscible Fullerene inducing Vertical Gradient in Perovskite Thin-Film toward Highly Efficient Solar Cells. Advanced Energy Materials, 2022, 12, .	19.5	28
3	M13 bacteriophage-templated gold nanowires as stretchable electrodes in perovskite solar cells. Materials Advances, 2021, 2, 488-496.	5.4	10
4	Role and Contribution of Polymeric Additives in Perovskite Solar Cells: Crystal Growth Templates and Grain Boundary Passivators. Solar Rrl, 2021, 5, 2000783.	5.8	35
5	Strong dark current suppression in flexible organic photodetectors by carbon nanotube transparent electrodes. Nano Today, 2021, 37, 101081.	11.9	50
6	Controlled Removal of Surfactants from Double-Walled Carbon Nanotubes for Stronger p-Doping Effect and Its Demonstration in Perovskite Solar Cells. Small Methods, 2021, 5, e2100080.	8.6	11
7	Multi-Walled Carbon Nanotube-Assisted Encapsulation Approach for Stable Perovskite Solar Cells. Molecules, 2021, 26, 5060.	3.8	8
8	A Facile and Effective Ozone Exposure Method for Wettability and Energy-Level Tuning of Hole-Transporting Layers in Lead-Free Tin Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 42935-42943.	8.0	10
9	Environmentally Compatible Lead-Free Perovskite Solar Cells and Their Potential as Light Harvesters in Energy Storage Systems. Nanomaterials, 2021, 11, 2066.	4.1	18
10	Genetic Manipulation of M13 Bacteriophage for Enhancing the Efficiency of Virus-Inoculated Perovskite Solar Cells with a Certified Efficiency of 22.3%. Advanced Energy Materials, 2021, 11, 2101221.	19.5	20
11	Genetic Manipulation of M13 Bacteriophage for Enhancing the Efficiency of Virus-Inoculated Perovskite Solar Cells with a Certified Efficiency of 22.3% (Adv. Energy Mater. 38/2021). Advanced Energy Materials, 2021, 11, 2170150.	19.5	1
12	Sn(IV)-free tin perovskite films realized by in situ Sn(0) nanoparticle treatment of the precursor solution. Nature Communications, 2020, 11, 3008.	12.8	196
13	Enhancement of Out-of-Plane Hole Mobility in Poly(3-Hexylthiophene)-Poly(styrene) Film. Macromolecular Chemistry and Physics, 2018, 219, 1800186.	2.2	8
14	Hole Transporting Properties of Cyclic Pentamer of 4-Butyltriphenylamine. Chemistry Letters, 2017, 46, 1145-1147.	1.3	5
15	Synthesis of polyfluorene-polytriarylamine block copolymers with light-emitting benzothiadiazole moieties: effect of chromophore location on electroluminescent properties. Polymer Journal, 2017, 49, 721-728.	2.7	4
16	Incorporation of benzothiadiazole moiety at junction of polyfluorene-polytriarylamine block copolymer for effective color tuning in organic light emitting diode. Journal of Applied Polymer Science, 2017, 134, 45393.	2.6	6
17	Synthesis and Characterization of Triarylamine-Based Copolymers Containing Carbazole Units Linked at 3,9 Positions in Main Chain. Kobunshi Ronbunshu, 2017, 74, 508-516.	0.2	0