

Kyusun Kim

List of Publications by Year in descending order

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

Version: 2024-02-01

17
papers

420
citations

1163117

8
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

519
citing authors

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