

Woocheol Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Resistive Switching by Percolative Conducting Filaments in Organometal Perovskite Unipolar Memory Devices Analyzed Using Current Noise Spectra. <i>Advanced Functional Materials</i> , 2022, 32, 2107727.	14.9	8
2	Channel-Length-Modulated Avalanche Multiplication in Ambipolar WSe_2 Field-Effect Transistors. <i>ACS Nano</i> , 2022, 16, 5376-5383.	14.6	9
3	Photo-Responsive Molecular Junctions Activated by Perovskite/Graphene Heterostructure Electrode. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	4
4	Crystallinity-dependent device characteristics of polycrystalline 2D $n = 4$ Ruddlesden-Popper perovskite photodetectors. <i>Nanotechnology</i> , 2021, 32, 185203.	2.6	10
5	Tailored Design-Of-Experiments Approach for Device Performance Prediction and Optimization of Flash-Evaporated Organic-Inorganic Halide Perovskite-Based Photodetectors. <i>Advanced Materials Technologies</i> , 2021, 6, 2001131.	5.8	5
6	Perovskite Photodetector Devices: Tailored Design-Of-Experiments Approach for Device Performance Prediction and Optimization of Flash-Evaporated Organic-Inorganic Halide Perovskite-Based Photodetectors (<i>Adv. Mater. Technol.</i> 5/2021). <i>Advanced Materials Technologies</i> , 2021, 6, 2170029.	5.8	0
7	Proton irradiation effects on mechanochemically synthesized and flash-evaporated hybrid organic-inorganic lead halide perovskites. <i>Nanotechnology</i> , 2021, 33, .	2.6	2
8	Controllable deposition of organic metal halide perovskite films with wafer-scale uniformity by single source flash evaporation. <i>Scientific Reports</i> , 2020, 10, 18781.	3.3	6
9	Solution-Processed Transparent Superhydrophobic Protection Layers for Enhancing the Device Reliability of Flexible Organic Optoelectronics. <i>Advanced Materials Technologies</i> , 2020, 5, 2000449.	5.8	3
10	Highly Stable Contact Doping in Organic Field Effect Transistors by Dopant-Blockade Method. <i>Advanced Functional Materials</i> , 2020, 30, 2000058.	14.9	30
11	Dose-dependent effect of proton irradiation on electrical properties of WSe_2 ambipolar field effect transistors. <i>Nanoscale</i> , 2019, 11, 13961-13967.	5.6	5
12	Enhanced Charge Injection Properties of Organic Field-Effect Transistor by Molecular Implantation Doping. <i>Advanced Materials</i> , 2019, 31, e1806697.	21.0	60
13	Organic Field-Effect Transistors: Enhanced Charge Injection Properties of Organic Field-Effect Transistor by Molecular Implantation Doping (<i>Adv. Mater.</i> 10/2019). <i>Advanced Materials</i> , 2019, 31, 1970073.	21.0	2
14	High-Performance Solution-Processed Organic-Metal Halide Perovskite Unipolar Resistive Memory Devices in a Cross-Bar Array Structure. <i>Advanced Materials</i> , 2019, 31, e1804841.	21.0	100
15	Unidirectional Real-Time Photoswitching of Diarylethene Molecular Monolayer Junctions with Multilayer Graphene Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11645-11653.	8.0	23
16	Effect of Facile p-Doping on Electrical and Optoelectronic Characteristics of Ambipolar WSe_2 Field-Effect Transistors. <i>Nanoscale Research Letters</i> , 2019, 14, 313.	5.7	9
17	Investigation of Time-Dependent Resistive Switching Behaviors of Unipolar Nonvolatile Organic Memory Devices. <i>Advanced Functional Materials</i> , 2018, 28, 1801162.	14.9	34
18	Resistive Switching Memory: Investigation of Time-Dependent Resistive Switching Behaviors of Unipolar Nonvolatile Organic Memory Devices (<i>Adv. Funct. Mater.</i> 35/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870249.	14.9	4

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19	Attachable and flexible aluminum oxide resistive non-volatile memory arrays fabricated on tape as the substrate. Nanotechnology, 2017, 28, 135201.	2.6	5