

Yeonsik Jang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Tunable rectification in a molecular heterojunction with two-dimensional semiconductors. Nature Communications, 2020, 11, 1412.	12.8	19
2	Electrical Characteristics of Molecular Junctions Fabricated by Inverted Self-Assembled Monolayer Method. Journal of Nanoscience and Nanotechnology, 2020, 20, 4648-4651.	0.9	0
3	Unidirectional Real-Time Photoswitching of Diarylethene Molecular Monolayer Junctions with Multilayer Graphene Electrodes. ACS Applied Materials & Interfaces, 2019, 11, 11645-11653.	8.0	23
4	Trapped charge modulation at the MoS ₂ /SiO ₂ interface by a lateral electric field in MoS ₂ field-effect transistors. Nano Futures, 2019, 3, 011002.	2.2	13
5	Two-Dimensional Thickness-Dependent Avalanche Breakdown Phenomena in MoS ₂ Field-Effect Transistors under High Electric Fields. ACS Nano, 2018, 12, 7109-7116.	14.6	43
6	Comparative study for electrical transport characteristics of self-assembled monolayers formed by benzenethiol, cyclohexanethiol, and adamantanethiol. Current Applied Physics, 2017, 17, 1459-1464.	2.4	8
7	Interface-Engineered Charge-Transport Properties in Benzenedithiol Molecular Electronic Junctions via Chemically p-Doped Graphene Electrodes. ACS Applied Materials & Interfaces, 2017, 9, 42043-42049.	8.0	10
8	Statistical investigation of the length-dependent deviations in the electrical characteristics of molecular electronic junctions fabricated using the direct metal transfer method. Journal of Physics Condensed Matter, 2016, 28, 094003.	1.8	7
9	An In-Depth Study of Redox-Induced Conformational Changes in Charge Transport Characteristics of a Ferrocene-Alkanethiolate Molecular Electronic Junction: Temperature-Dependent Transition Voltage Spectroscopy Analysis. Journal of Physical Chemistry C, 2016, 120, 3564-3572.	3.1	20
10	Electrical characterization of benzenedithiolate molecular electronic devices with graphene electrodes on rigid and flexible substrates. Nanotechnology, 2016, 27, 145301.	2.6	12
11	Electrical Characteristics of Benzenedithiol versus Methylbenzenethiol Self-Assembled Monolayers in Multilayer Graphene-Electrode Molecular Junctions. Journal of Nanoscience and Nanotechnology, 2016, 16, 8565-8568.	0.9	2
12	Reversible Switching Phenomenon in Diarylethene Molecular Devices with Reduced Graphene Oxide Electrodes on Flexible Substrates. Advanced Functional Materials, 2015, 25, 5918-5923.	14.9	39
13	Investigation of inelastic electron tunneling spectra of metal-molecule-metal junctions fabricated using direct metal transfer method. Applied Physics Letters, 2015, 106, .	3.3	18