Younggul Song

List of Publications by Year
in descending order

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31	823	516710 16	477307 29
papers	citations	h-index	g-index

33	33	33	1760
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of photodetection characteristics of MoS₂field effect transistors using surface treatment with copper phthalocyanine. Nanoscale, 2015, 7, 18780-18788.	5.6	101
2	Irradiation Effects of High-Energy Proton Beams on MoS₂ Field Effect Transistors. ACS Nano, 2014, 8, 2774-2781.	14.6	100
3	Highâ€Performance Solutionâ€Processed Organoâ€Metal Halide Perovskite Unipolar Resistive Memory Devices in a Crossâ€Bar Array Structure. Advanced Materials, 2019, 31, e1804841.	21.0	100
4	Electrical Properties of Synthesized Large-Area MoS2 Field-Effect Transistors Fabricated with Inkjet-Printed Contacts. ACS Nano, 2016, 10, 2819-2826.	14.6	64
5	Enhanced Charge Injection Properties of Organic Fieldâ€Effect Transistor by Molecular Implantation Doping. Advanced Materials, 2019, 31, e1806697.	21.0	60
6	Trap-mediated electronic transport properties of gate-tunable pentacene/MoS2 p-n heterojunction diodes. Scientific Reports, 2016, 6, 36775.	3.3	54
7	Investigation of Timeâ€“Dependent Resistive Switching Behaviors of Unipolar Nonvolatile Organic Memory Devices. Advanced Functional Materials, 2018, 28, 1801162.	14.9	34
8	Highly Reliable Superhydrophobic Protection for Organic Field-Effect Transistors by Fluoroalkylsilane-Coated TiO₂ Nanoparticles. ACS Nano, 2018, 12, 11062-11069.	14.6	32
9	Twistable nonvolatile organic resistive memory devices. Organic Electronics, 2013, 14, 2087-2092.	2.6	27
10	1/f Noise Scaling Analysis in Unipolar-Type Organic Nanocomposite Resistive Memory. ACS Nano, 2015, 9, 7697-7703.	14.6	24
11	Characterization of PI:PCBM organic nonvolatile resistive memory devices under thermal stress. Organic Electronics, 2016, 33, 48-54.	2.6	22
12	Origin of multi-level switching and telegraphic noise in organic nanocomposite memory devices. Scientific Reports, 2016, 6, 33967.	3.3	21
13	The application of orthogonal photolithography to micro-scale organic field effect transistors and complementary inverters on flexible substrate. Applied Physics Letters, 2014, 104, 053301.	3.3	20
14	Micro-scale twistable organic field effect transistors and complementary inverters fabricated by orthogonal photolithography on flexible polyimide substrate. Organic Electronics, 2014, 15, 2822-2829.	2.6	16
15	4K-bit and microlithographic integration of organic nonvolatile resistive memory devices. Organic Electronics, 2015, 17, 192-197.	2.6	16
16	Electronic noise analyses on organic electronic devices. Journal of Materials Chemistry C, 2017, 5, 7123-7141.	5.5	16
17	Analysis of the interface characteristics of CVD-grown monolayer MoS₂by noise measurements. Nanotechnology, 2017, 28, 145702.	2.6	14
18	Facile anionic synthesis of a well-controlled thermally cross-linkable block copolymer for polymer-based resistive memory device applications. Polymer Chemistry, 2015, 6, 4264-4270.	3.9	13

#	Article	IF	Citations
19	Energy Consumption Estimation of Organic Nonvolatile Memory Devices on a Flexible Plastic Substrate. Advanced Electronic Materials, 2015, 1, 1500186.	5.1	12
20	Well-Defined Block Copolymers with Triphenylamine and Isocyanate Moieties Synthesized via Living Anionic Polymerization for Polymer-Based Resistive Memory Applications: Effect of Morphological Structures on Nonvolatile Memory Performances. Macromolecules, 2014, 47, 8625-8633.	4.8	11
21	Vertically stacked microscale organic nonvolatile memory devices toward three-dimensional high integration. Organic Electronics, 2015, 21, 198-202.	2.6	10
22	Analysis of noise generation and electric conduction at grain boundaries in CVD-grown MoS₂field effect transistors. Nanotechnology, 2017, 28, 47LT01.	2.6	9
23	Resistive Switching by Percolative Conducting Filaments in Organometal Perovskite Unipolar Memory Devices Analyzed Using Current Noise Spectra. Advanced Functional Materials, 2022, 32, 2107727.	14.9	8
24	Interface effect in pentacene field-effect transistors from high energy proton beam irradiation. Organic Electronics, 2015, 27, 240-246.	2.6	7
25	Performance enhancement of triisopropylsilylethynyl pentacene organic field effect transistors with inkjet-printed silver source/drain electrodes achieved via dispersible reduced graphene oxide. Thin Solid Films, 2013, 542, 327-331.	1.8	6
26	Highly uniform monolayer graphene synthesis via a facile pretreatment of copper catalyst substrates using an ammonium persulfate solution. RSC Advances, 2019, 9, 20871-20878.	3.6	6
27	Attachable and flexible aluminum oxide resistive non-volatile memory arrays fabricated on tape as the substrate. Nanotechnology, 2017, 28, 135201.	2.6	5
28	Resistiveâ€Switching Memory: Investigation of Timeâ€“Dependent Resistive Switching Behaviors of Unipolar Nonvolatile Organic Memory Devices (Adv. Funct. Mater. 35/2018). Advanced Functional Materials, 2018, 28, 1870249.	14.9	4
29	Integration of Flexible and Microscale Organic Nonvolatile Resistive Memory Devices Using Orthogonal Photolithography. Journal of Nanoscience and Nanotechnology, 2016, 16, 6350-6354.	0.9	3
30	Organic Field-Effect Transistors: Enhanced Charge Injection Properties of Organic Field-Effect Transistor by Molecular Implantation Doping (Adv. Mater. 10/2019). Advanced Materials, 2019, 31, 1970073.	21.0	2
31	Miniaturization and Integration of Organic Resistive Memory Devices. Journal of the Korean Physical Society, 2018, 73, 479-487.	0.7	1