Mi Jung Lee

List of Publications by Year
in descending order

52 papers	1,666 citations	430754 18 h-index	289141 40 g-index
53 all docs	53 docs citations	53 times ranked	3288 citing authors

#	Article	IF	Citations
1	Charge-trapping memory device based on a heterostructure of MoS2 and CrPS4. Journal of the Korean Physical Society, 2021, 78, 816-821.	0.3	5
2	Interfacial Defects Change the Correlation between Photoluminescence, Ideality Factor, and Openâ€Circuit Voltage in Perovskite Solar Cells. Small, 2021, 17, e2101839.	5.2	16
3	Fabrication of Piezo-Resistance Composites Containing Thermoplastic Polyurethane/Hybrid Filler Using 3D Printing. Sensors, 2021, 21, 6813.	2.1	5
4	Knitted strain sensor with carbon fiber and aluminum-coated yarn, for wearable electronics. Journal of Materials Chemistry C, 2021, 9, 16440-16449.	2.7	12
5	Controlling Spatial Crystallization Uniformity and Phase Orientation of Quasiâ€2D Perovskiteâ€Based Lightâ€Emitting Diodes Using Lewis Bases. Advanced Materials Interfaces, 2020, 7, 1901860.	1.9	11
6	Improved Interfacial Crystallization by Synergic Effects of Precursor Solution Stoichiometry and Conjugated Polyelectrolyte Interlayer for High Open-Circuit Voltage of Perovskite Photovoltaic Diodes. ACS Applied Materials & Interfaces, 2020, 12, 12328-12336.	4.0	17
7	Understanding filamentary growth and rupture by Ag ion migration through single-crystalline 2D layered CrPS4. NPG Asia Materials, 2020, 12, .	3.8	9
8	Electrical Properties of MoS2 Field-Effect Transistors in Contact with Layered CrPS4. Journal of the Korean Physical Society, 2020, 76, 731-735.	0.3	1
9	Significance of Ambient Temperature Control for Highly Reproducible Layered Perovskite Light-Emitting Diodes. ACS Photonics, 2020, 7, 2489-2497.	3.2	15
10	Quasiâ€2D Perovskites: Controlling Spatial Crystallization Uniformity and Phase Orientation of Quasiâ€2D Perovskiteâ€Based Lightâ€Emitting Diodes Using Lewis Bases (Adv. Mater. Interfaces 2/2020). Advanced Materials Interfaces, 2020, 7, 2070017.	1.9	1
11	Phase control of quasi-2D perovskites and improved light-emitting performance by excess organic cations and nanoparticle intercalation. Nanoscale, 2019, 11, 3546-3556.	2.8	55
12	Plasmonically Engineered Textile Polymer Solar Cells for High-Performance, Wearable Photovoltaics. ACS Applied Materials & Interfaces, 2019, 11, 20864-20872.	4.0	37
13	Analysis of enhanced hole transport in naphthalene dicarboxyimide (NDI)-based n-type polymer field-effect transistors using solution-processed reduced graphene oxide electrodes. Applied Surface Science, 2019, 481, 52-58.	3.1	2
14	A flexible transparent heater with ultrahigh thermal efficiency and fast thermal response speed based on a simple solution-processed indium tin oxide nanoparticles-silver nanowires composite structure on photo-polymeric film. Composites Science and Technology, 2018, 157, 107-118.	3.8	24
15	Highly selective and sensitive chemoresistive humidity sensors based on rGO/MoS₂ van der Waals composites. Journal of Materials Chemistry A, 2018, 6, 5016-5024.	5.2	132
16	Synaptic devices based on two-dimensional layered single-crystal chromium thiophosphate (CrPS4). NPG Asia Materials, 2018, 10, 23-30.	3.8	48
17	Improved Charge Injection of Metal Oxide Thinâ€Film Transistors by Stacked Electrodes of Indium Tin Oxide Nanoparticles and Silver Nanowires. Advanced Electronic Materials, 2018, 4, 1700440.	2.6	12
18	Thermoelectric Properties of Thermally Reduced Graphene Oxide Observed by Tuning the Energy States. ACS Sustainable Chemistry and Engineering, 2018, 6, 7468-7474.	3.2	21

#	Article	IF	Citations
19	Analysis of charge injection and contact resistance as a function of electrode surface treatment in ambipolar polymer transistors. Electronic Materials Letters, 2018, 14, 1-6.	1.0	11
20	Universality of strain-induced anisotropic friction domains on 2D materials. NPG Asia Materials, 2018, 10, 1069-1075.	3.8	17
21	Enhanced Performance of Field-Effect Transistors Based on Black Phosphorus Channels Reduced by Galvanic Corrosion of Al Overlayers. ACS Applied Materials & Interfaces, 2018, 10, 18895-18901.	4.0	9
22	Impact of Hydroxyl Groups Boosting Heterogeneous Nucleation on Perovskite Grains and Photovoltaic Performances. Journal of Physical Chemistry C, 2018, 122, 16630-16638.	1.5	33
23	Textile Resistance Switching Memory for Fabric Electronics. Advanced Functional Materials, 2017, 27, 1605593.	7.8	50
24	Wearable Electronics: Textile Resistance Switching Memory for Fabric Electronics (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	7.8	0
25	Effects of the morphology of CIPs on microwave absorption behaviors. Electronic Materials Letters, 2017, 13, 471-477.	1.0	7
26	Experimental demonstration of sequence recognition of serial memristors. Electronic Materials Letters, 2017, 13, 86-90.	1.0	1
27	Effects of interface energy modification in solution-processed In2O3 thin film transistors for sensing applications. Sensors and Actuators A: Physical, 2017, 263, 772-777.	2.0	2
28	A highly efficient indium tin oxide nanoparticles (ITO-NPs) transparent heater based on solution-process optimized with oxygen vacancy control. Journal of Alloys and Compounds, 2017, 726, 712-719.	2.8	35
29	Development of CIP/graphite composite additives for electromagnetic wave absorption applications. Electronic Materials Letters, 2017, 13, 398-405.	1.0	5
30	Time-Shared Twin Memristor Crossbar Reducing the Number of Arrays by Half for Pattern Recognition. Nanoscale Research Letters, 2017, 12, 205.	3.1	9
31	Synthesis and Characterization of Semiconducting Polymers Composed of All Electron-Accepting Monomer Units for Organic Thin Film Transistors. Journal of Nanoscience and Nanotechnology, 2017, 17, 5759-5763.	0.9	0
32	Improvement of On/Off Ratio in Solution-Processed Graphene-Zinc Oxide Resistive Switching Memory by Blending with Polystyrene. Journal of Nanoscience and Nanotechnology, 2016, 16, 12918-12922.	0.9	1
33	Currentâ€Induced Joule Heating and Electrical Field Effects in Low Temperature Measurements on TIPS Pentacene Thin Film Transistors. Advanced Electronic Materials, 2016, 2, 1600163.	2.6	15
34	P-type doped ambipolar polymer transistors by direct charge transfer from a cationic organic dye Pyronin B ferric chloride. Organic Electronics, 2016, 39, 229-235.	1.4	15
35	Improved performance of organic photovoltaic devices by doping F 4 TCNQ onto solution-processed graphene as a hole transport layer. Organic Electronics, 2016, 30, 302-311.	1.4	15
36	Solvent Vapor Annealing Effects in Contact Resistances of Zone-cast Benzothienobenzothiophene (C8-BTBT) Transistors. Journal of the Korean Ceramic Society, 2016, 53, 411-416.	1.1	4

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37	Hybrid dielectric layer for low operating voltages of transparent and flexible organic complementary inverter. Electronic Materials Letters, 2015, 11, 252-258.	1.0	10
38	Configuration of ripple domains and their topological defects formed under local mechanical stress on hexagonal monolayer graphene. Scientific Reports, 2015, 5, 9390.	1.6	10
39	Investigation of charge injection characteristics in diketopyrrolopyrrole ambipolar semiconducting polymers. Proceedings of SPIE, 2014, , .	0.8	3
40	All-solution-processed nonvolatile flexible nano-floating gate memory devices. Nanotechnology, 2014, 25, 014016.	1.3	29
41	Correlation between micrometer-scale ripple alignment and atomic-scale crystallographic orientation of monolayer graphene. Scientific Reports, 2014, 4, 7263.	1.6	21
42	PEDOT gate electrodes with PVP/Al2O3 dielectrics for stable high-performance organic TFTs. Electronic Materials Letters, 2013, 9, 741-746.	1.0	10
43	The Electrical Properties of Asymmetric Schottky Contact Thin-Film Transistors with Amorphous-$hbox{In}_{2}hbox{Ga}_{2}hbox{ZnO}_{7}$. IEEE Transactions on Electron Devices, 2013, 60, 1128-1135.	1.6	18
44	Electrooptical Spectroscopy of Uniaxially Aligned Polythiophene Films in Field-Effect Transistors. Chemistry of Materials, 2013, 25, 2075-2082.	3.2	22
45	Reduced graphene oxide based flexible organic charge trap memory devices. Applied Physics Letters, 2012, 101, .	1.5	48
46	Characteristics and effects of diffused water between graphene and a SiO2 substrate. Nano Research, 2012, 5, 710-717.	5.8	91
47	Photoconductivity anisotropy study in uniaxially aligned polymer based planar photodiodes. Organic Electronics, 2012, 13, 36-42.	1.4	14
48	Highâ€Performance Ambipolar Diketopyrrolopyrroleâ€Thieno[3,2â€b]thiophene Copolymer Fieldâ€Effect Transistors with Balanced Hole and Electron Mobilities. Advanced Materials, 2012, 24, 647-652.	11.1	521
49	Anisotropy of Charge Transport in a Uniaxially Aligned and Chainâ€Extended, Highâ€Mobility, Conjugated Polymer Semiconductor. Advanced Functional Materials, 2011, 21, 932-940.	7.8	166
50	Effect of stress and density on the electrical and physical properties of MgO protecting layer for alternating current-plasma display panels. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 1192-1196.	0.9	12
51	Hydration behavior of MgO single crystals and thin films. Journal of Materials Research, 2003, 18, 2895-2903.	1.2	36
52	Serendipitous Doping in Nickel Oxide upon Microwaveâ€Induced Lowâ€Temperature Crystallization Enhances Efficiency of Perovskite Solar Cells. Solar Rrl, 0, , 2100992.	3.1	2