

Moon Hee Kang

List of Publications by Year in descending order

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28
papers

344
citations

840776

11
h-index

839539

18
g-index

28
all docs

28
docs citations

28
times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative analysis of the levelized cost of electricity of commercial scale photovoltaics systems in the US. <i>Solar Energy Materials and Solar Cells</i> , 2016, 154, 71-77.	6.2	46
2	Optimization of SiN AR coating for Si solar cells and modules through quantitative assessment of optical and efficiency loss mechanism. <i>Progress in Photovoltaics: Research and Applications</i> , 2011, 19, 983-990.	8.1	38
3	Efficient ITO-free organic light-emitting diodes comprising PEDOT:PSS transparent electrodes optimized with 2-ethoxyethanol and post treatment. <i>Organic Electronics</i> , 2017, 42, 348-354.	2.6	29
4	Neuro-Transistor Based on UV-Treated Charge Trapping in MoTe ₂ for Artificial Synaptic Features. <i>Nanomaterials</i> , 2020, 10, 2326.	4.1	26
5	Enhanced light-outcoupling in organic light-emitting diodes through a coated scattering layer based on porous polymer films. <i>Organic Electronics</i> , 2017, 47, 117-125.	2.6	22
6	Tailoring PEDOT:PSS polymer electrode for solution-processed inverted organic solar cells. <i>Solid-State Electronics</i> , 2020, 169, 107808.	1.4	20
7	Fine control of optical scattering characteristics of porous polymer light-extraction layer for organic light-emitting diodes. <i>Organic Electronics</i> , 2019, 67, 79-88.	2.6	19
8	Solution-Processed Semitransparent Inverted Organic Solar Cells from a Transparent Conductive Polymer Electrode. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, Q32-Q37.	1.8	17
9	Polymer-based non-volatile resistive random-access memory device fabrication with multi-level switching and negative differential resistance state. <i>Organic Electronics</i> , 2021, 96, 106228.	2.6	14
10	Fabrication of Spray-Coated Semitransparent Organic Solar Cells. <i>IEEE Journal of the Electron Devices Society</i> , 2019, 7, 1129-1132.	2.1	13
11	Asymmetric GaN/ZnO Engineered Resistive Memory Device for Electronic Synapses. <i>ACS Applied Electronic Materials</i> , 2022, 4, 297-307.	4.3	13
12	Silver-nanowire-based lamination electrode for a fully vacuum-free and solution-processed organic photovoltaic cell. <i>Organic Electronics</i> , 2021, 89, 106046.	2.6	12
13	Effect of Laser-Induced Direct Micropatterning on Polymer Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47143-47152.	8.0	10
14	Development of a simple analytical model to quantify the PV module cost premium associated with module efficiency and cell technology. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 37, 380-385.	16.4	9
15	Fully solution-processed organic RRAM device with highly stable butterfly-shaped hysteresis. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 282, 115784.	3.5	9
16	Coexistence of volatile and non-volatile resistive switching in Ni/SiO ₂ /Pt memristor device controlled from different current compliances. <i>Semiconductor Science and Technology</i> , 2021, 36, 095031.	2.0	8
17	Analysis of a commercial-scale photovoltaics system performance and economic feasibility. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	7
18	Fully vacuum-free large-area organic solar cell fabrication from polymer top electrode. <i>Solid-State Electronics</i> , 2021, 186, 108192.	1.4	7

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19	Multistate Resistive Switching with Self-Rectifying Behavior and Synaptic Characteristics in a Solution-processed ZnO/PTAA Bilayer Memristor. <i>Journal of the Electrochemical Society</i> , 2022, 169, 063517.	2.9	7
20	Understanding and Development of Screen-Printed Front Metallization for High-Efficiency Low-to-Medium Concentrator Silicon Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2013, 3, 944-951.	2.5	5
21	Resistive switching and conductance quantization in poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)-based resistive random access memory device with printable top electrodes. <i>Thin Solid Films</i> , 2022, 748, 139150.	1.8	3
22	Development and use of a simple numerical model to quantify the impact of key photovoltaics system parameters on the levelized cost of electricity. , 2012, , .		2
23	Effect of carbon containing SiNx antireflection coating on the screen-printed contact and low illumination performance of silicon solar cell. <i>Progress in Photovoltaics: Research and Applications</i> , 2013, 21, 351-358.	8.1	2
24	Optimization of a liquid refractive index sensor based on an integrated optic slot-waveguide directional coupler. <i>Optik</i> , 2019, 180, 984-990.	2.9	2
25	Fully vacuum-free semitransparent polymer solar cells for power-generating window with pure achromatic appealing. <i>Energy Science and Engineering</i> , 0, , .	4.0	2
26	Investigation of Atomic Layer Deposition Al ₂ O ₃ Passivation for Screen-Printed Large-Area Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2016, 6, 869-874.	2.5	1
27	Modulation of the electrical characteristics on poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)-based resistive random access memory device by the impact of top electrode materials. <i>Thin Solid Films</i> , 2022, 748, 139168.	1.8	1
28	Pµ: Highly Efficient OLED Panels Based on Coated Porous Polymer Film as the Light-Extraction Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2017, 48, 1953-1956.	0.3	0