

Jieun Ko

List of Publications by Year in descending order

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17
papers

747
citations

686830

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940134

16
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docs citations

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times ranked

1330
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Ionic-Electronic Hybrid Oxide Synaptic TFTs with Programmable Dynamic Plasticity for Brain-Inspired Neuromorphic Computing. <i>Small</i> , 2017, 13, 1701193.	5.2	152
2	Ionic-Liquid Doping Enables High Transconductance, Fast Response Time, and High Ion Sensitivity in Organic Electrochemical Transistors. <i>Advanced Materials</i> , 2019, 31, e1805544.	11.1	95
3	Gate Capacitance-Dependent Field-Effect Mobility in Solution-Processed Oxide Semiconductor Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2014, 24, 4689-4697.	7.8	84
4	Human Hair Keratin for Biocompatible Flexible and Transient Electronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43004-43012.	4.0	74
5	Solution-processed amorphous hafnium-lanthanum oxide gate insulator for oxide thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1050-1056.	2.7	63
6	Proquinoidal-Conjugated Polymer as an Effective Strategy for the Enhancement of Electrical Conductivity and Thermoelectric Properties. <i>Chemistry of Materials</i> , 2019, 31, 8543-8550.	3.2	43
7	Self-Healable Organic Electrochemical Transistor with High Transconductance, Fast Response, and Long-Term Stability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33979-33988.	4.0	40
8	Self-Healing Polymer Dielectric for a High Capacitance Gate Insulator. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23854-23861.	4.0	39
9	All solid state flexible supercapacitors operating at 4 V with a cross-linked polymer-ionic liquid electrolyte. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4386-4391.	5.2	39
10	Fully Solution-Processed and Foldable Metal-Oxide Thin-Film Transistor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12894-12900.	4.0	26
11	A robust ionic liquid-polymer gate insulator for high-performance flexible thin film transistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4239-4243.	2.7	25
12	Direct electron injection into an oxide insulator using a cathode buffer layer. <i>Nature Communications</i> , 2015, 6, 6785.	5.8	21
13	Self-healable electrochromic ion gels for low power and robust displays. <i>Organic Electronics</i> , 2019, 71, 199-205.	1.4	21
14	Effective work function modulation of SWCNT-AZO NP hybrid electrodes in fully solution-processed flexible metal-oxide thin film transistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8121-8126.	2.7	11
15	Direct arylation polymerization toward ultra-low bandgap poly(thienoisoindigo-ketopyrrolepyrrole) conjugated polymers: The effect of protection on the polymerization and properties of the polymers. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3205-3213.	2.5	9
16	Water robustness of organic thin-film transistors based on pyrazino[2,3-g]quinoxaline-dione conjugated polymer. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4157-4163.	2.7	4
17	Biopolymer based gate dielectrics for high performance organic thin film transistors. , 2020, , .		1