

# Minji Kang

## List of Publications by Year in descending order

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papers

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257101

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times ranked

2907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Printed, Flexible, Organic Nano-Floating-Gate Memory: Effects of Metal Nanoparticles and Blocking Dielectrics on Memory Characteristics. <i>Advanced Functional Materials</i> , 2013, 23, 3503-3512.	7.8	200
2	High-Performance Top-Gated Organic Field-Effect Transistor Memory using Electrets for Monolithic Printed Flexible NAND Flash Memory. <i>Advanced Functional Materials</i> , 2012, 22, 2915-2926.	7.8	184
3	Remarkable Enhancement of Hole Transport in Top-Gated N-Type Polymer Field-Effect Transistors by a High-κ Dielectric for Ambipolar Electronic Circuits. <i>Advanced Materials</i> , 2012, 24, 5433-5439.	11.1	176
4	Ultrathin Conformable Organic Artificial Synapse for Wearable Intelligent Device Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1071-1080.	4.0	106
5	One-dimensional organic artificial multi-synapses enabling electronic textile neural network for wearable neuromorphic applications. <i>Science Advances</i> , 2020, 6, .	4.7	102
6	Large Enhancement of Carrier Transport in Solution-Processed Field-Effect Transistors by Fluorinated Dielectric Engineering. <i>Advanced Materials</i> , 2016, 28, 518-526.	11.1	87
7	Controlled Charge Transport by Polymer Blend Dielectrics in Top-Gate Organic Field-Effect Transistors for Low-Voltage-Operating Complementary Circuits. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6176-6184.	4.0	77
8	Improved performance uniformity of inkjet printed n-channel organic field-effect transistors and complementary inverters. <i>Organic Electronics</i> , 2011, 12, 634-640.	1.4	65
9	Stable charge storing in two-dimensional MoS <sub>2</sub> nanoflake floating gates for multilevel organic flash memory. <i>Nanoscale</i> , 2014, 6, 12315-12323.	2.8	64
10	High Performance and Stable N-Channel Organic Field-Effect Transistors by Patterned Solvent-Vapor Annealing. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 10745-10752.	4.0	60
11	In-depth considerations for better polyelectrolytes as interfacial materials in polymer solar cells. <i>Nano Energy</i> , 2016, 21, 26-38.	8.2	56
12	Systematic Study of Widely Applicable N-Doping Strategy for High-Performance Solution-Processed Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2016, 26, 7886-7894.	7.8	53
13	Synergistic High Charge-Storage Capacity for Multi-level Flexible Organic Flash Memory. <i>Scientific Reports</i> , 2015, 5, 12299.	1.6	50
14	Spray-printed organic field-effect transistors and complementary inverters. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1500.	2.7	40
15	Ambipolar Small-Molecule:Polymer Blend Semiconductors for Solution-Processable Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2686-2692.	4.0	40
16	Precise Side-Chain Engineering of Thienylenevinylene-Based Benzotriazole-Based Conjugated Polymers with Coplanar Backbone for Organic Field Effect Transistors and CMOS-like Inverters. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2758-2766.	4.0	39
17	Solution-Processed Barium Salts as Charge Injection Layers for High Performance N-Channel Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 9614-9621.	4.0	37
18	Exploration of fabrication methods for planar CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells. <i>Nano Energy</i> , 2016, 27, 175-184.	8.2	35

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19	A conjugated polymer with high planarity and extended $\pi$ -electron delocalization via a quinoid structure prepared by short synthetic steps. <i>Polymer Chemistry</i> , 2017, 8, 361-365.	1.9	34
20	Low-Voltage Organic Transistor Memory Fiber with a Nanograined Organic Ferroelectric Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22575-22582.	4.0	33
21	Electron injection enhancement by a Cs-salt interlayer in ambipolar organic field-effect transistors and complementary circuits. <i>Journal of Materials Chemistry</i> , 2012, 22, 16979.	6.7	32
22	Diseleno[3,2 <i>b</i> :2,3 <i>d</i> ]selenophene-Containing High-Mobility Conjugated Polymer for Organic Field-Effect Transistors. <i>Advanced Science</i> , 2019, 6, 1900245.	5.6	32
23	Blending of n-type Semiconducting Polymer and PC <sub>61</sub> BM for an Efficient Electron-Selective Material to Boost the Performance of the Planar Perovskite Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12822-12829.	4.0	30
24	Integration of multiple electronic components on a microfibre towards an emerging electronic textile platform. <i>Nature Communications</i> , 2022, 13, .	5.8	27
25	A systematic study on molecular planarity and $\pi$ -A conformation in thiazolothiazole- and thienylenevinylene-based copolymers for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10126-10132.	2.7	25
26	Tuning non-volatile memory characteristics via molecular doping of polymer semiconductors based on ambipolar organic field-effect transistors. <i>Organic Electronics</i> , 2018, 58, 12-17.	1.4	25
27	An Approach for an Advanced Anode Interfacial Layer with Electron-Blocking Ability to Achieve High-Efficiency Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 19613-19620.	4.0	24
28	Simultaneous enhancement of charge density and molecular stacking order of polymer semiconductors by viologen dopants for high performance organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5497-5505.	2.7	23
29	Hybrid dielectrics composed of Al <sub>2</sub> O <sub>3</sub> and phosphonic acid self-assembled monolayers for performance improvement in low voltage organic field effect transistors. <i>Nano Convergence</i> , 2018, 5, 20.	6.3	22
30	Recent Advances in Fiber-Shaped Electronic Devices for Wearable Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6131.	1.3	21
31	Simultaneous Enhancement of Electron Injection and Air Stability in N-Type Organic Field-Effect Transistors by Water-Soluble Polyfluorene Interlayers. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8108-8114.	4.0	18
32	Favorable Molecular Orientation Enhancement in Semiconducting Polymer Assisted by Conjugated Organic Small Molecules. <i>Advanced Functional Materials</i> , 2016, 26, 8527-8536.	7.8	18
33	Polymeric $\pi$ -N Heterointerface for Solution-Processed Integrated Organic Optoelectronic Systems. <i>Advanced Optical Materials</i> , 2017, 5, 1700655.	3.6	16
34	Unsymmetrical Small Molecules for Broad-Band Photoresponse and Efficient Charge Transport in Organic Phototransistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 25066-25074.	4.0	16
35	Hierarchical Hybrid Nanostructures Constructed by Fullerene and Molecular Tweezer. <i>ACS Nano</i> , 2019, 13, 6101-6112.	7.3	14
36	Effect of side chains on phenanthrene based D-A type copolymers for polymer solar cells. <i>Organic Electronics</i> , 2017, 44, 238-246.	1.4	13

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37	Structure-property relationship of D-A type copolymers based on thienylenevinylene for organic electronics. <i>Organic Electronics</i> , 2017, 46, 77-87.	1.4	13
38	2D/2D vanadyl phosphate (VP) on reduced graphene oxide as a hole transporting layer for efficient organic solar cells. <i>Organic Electronics</i> , 2018, 59, 92-98.	1.4	13
39	Effect of Semi-Fluorinated Alkyl Side Chains on Conjugated Polymers with Planar Backbone in Organic Field-Effect Transistors. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800431.	2.0	13
40	Molecular engineering of a porphyrin-based hierarchical superstructure: planarity control of a discotic metallomesogen for high thermal conductivity. <i>Materials Horizons</i> , 2020, 7, 2635-2642.	6.4	13
41	Inkjet-Printing-Based Soft-Etching Technique for High-Speed Polymer Ambipolar Integrated Circuits. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 12579-12586.	4.0	12
42	Optimized Activation of Solution-Processed Amorphous Oxide Semiconductors for Flexible Transparent Conductive Electrodes. <i>Advanced Electronic Materials</i> , 2018, 4, 1700386.	2.6	12
43	High-Performance Flexible Organic Nonvolatile Memories with Outstanding Stability Using Nickel Oxide Nanofloating Gate and Polymer Electret. <i>Advanced Electronic Materials</i> , 2020, 6, 2000189.	2.6	12
44	Light-sensitive charge storage medium with spironaphthooxazine molecule-polymer blends for dual-functional organic phototransistor memory. <i>Organic Electronics</i> , 2020, 78, 105554.	1.4	8
45	Two-in-One Device with Versatile Compatible Electrical Switching or Data Storage Functions Controlled by the Ferroelectricity of P(VDF-TrFE) via Photocrosslinking. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 25358-25368.	4.0	7
46	Enhanced performance of perovskite solar cells with solution-processed n-doping of the PCBM interlayer. <i>RSC Advances</i> , 2016, 6, 64962-64966.	1.7	6
47	Organic Electronics: Printed, Flexible, Organic Nano-Floating-Gate Memory: Effects of Metal Nanoparticles and Blocking Dielectrics on Memory Characteristics ( <i>Adv. Funct. Mater.</i> 28/2013). <i>Advanced Functional Materials</i> , 2013, 23, 3482-3482.	7.8	4
48	Structure-property relationship of D-A type copolymers based on phenanthrene and naphthalene units for organic electronics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10332-10342.	2.7	4
49	Preparation of highly adhesive urethane-acrylate-based gel-polymer electrolytes and their optimization in flexible electrochromic devices. <i>Journal of Electroanalytical Chemistry</i> , 2022, 917, 116423.	1.9	3
50	Organic Complementary Circuits: Remarkable Enhancement of Hole Transport in Top-Gated N-Type Polymer Field-Effect Transistors by a High-k Dielectric for Ambipolar Electronic Circuits ( <i>Adv. Mater.</i> )	1.1	10