

# Jong Min Kim

## List of Publications by Year in descending order

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docs citations

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734  
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#	ARTICLE	IF	CITATIONS
1	Flexible One Diode-One Phase Change Memory Array Enabled by Block Copolymer Self-Assembly. ACS Nano, 2015, 9, 4120-4128.	14.6	74
2	Eliminating the Trade-off between the Throughput and Pattern Quality of Sub-15 nm Directed Self-Assembly via Warm Solvent Annealing. Advanced Functional Materials, 2015, 25, 306-315.	14.9	49
3	Area-Selective Lift-Off Mechanism Based on Dual-Triggered Interfacial Adhesion Switching: Highly Facile Fabrication of Flexible Nanomesh Electrode. ACS Nano, 2017, 11, 3506-3516.	14.6	33
4	Synergetic Structural Transformation of Pt Electrocatalyst into Advanced 3D Architectures for Hydrogen Fuel Cells. Advanced Materials, 2020, 32, e2002210.	21.0	33
5	Block Copolymer with an Extremely High Block-to-Block Interaction for a Significant Reduction of Line-Edge Fluctuations in Self-Assembled Patterns. Chemistry of Materials, 2016, 28, 5680-5688.	6.7	32
6	Versatile, transferrable 3-dimensionally nanofabricated Au catalysts with high-index crystal planes for highly efficient and robust electrochemical CO <sub>2</sub> reduction. Journal of Materials Chemistry A, 2019, 7, 6045-6052.	10.3	28
7	Conformation-modulated three-dimensional electrocatalysts for high-performance fuel cell electrodes. Science Advances, 2021, 7, .	10.3	27
8	Thermodynamic and Kinetic Tuning of Block Copolymer Based on Random Copolymerization for High-Quality Sub-6 nm Pattern Formation. Advanced Functional Materials, 2018, 28, 1800765.	14.9	23
9	Transferrable Plasmonic Au Thin Film Containing Sub-20 nm Nanohole Array Constructed via High-Resolution Polymer Self-Assembly and Nanotransfer Printing. ACS Applied Materials & Interfaces, 2018, 10, 2216-2223.	8.0	22
10	In Situ Nanolithography with Sub-10 nm Resolution Realized by Thermally Assisted Spin-Casting of a Self-Assembling Polymer. Advanced Materials, 2015, 27, 4814-4822.	21.0	20
11	Controlling hot electron flux and catalytic selectivity with nanoscale metal-oxide interfaces. Nature Communications, 2021, 12, 40.	12.8	20
12	Porous Strained Pt Nanostructured Thin-Film Electrocatalysts via Dealloying for PEM Fuel Cells. Advanced Materials Interfaces, 2020, 7, 1901326.	3.7	19
13	Lateral composition modulation in GaP/InP short-period superlattices grown by solid source molecular beam epitaxy. Journal of Applied Physics, 2001, 90, 5086-5089.	2.5	16
14	Hierarchically Self-Assembled Block Copolymer Blends for Templating Hollow Phase-Change Nanostructures with an Extremely Low Switching Current. Chemistry of Materials, 2015, 27, 2673-2677.	6.7	11
15	Modulation and Modeling of Three-Dimensional Nanowire Assemblies Targeting Gas Sensors with High Response and Reliability. Advanced Functional Materials, 2022, 32, 2108891.	14.9	6
16	Investigations of the characteristics of strain-free oxidation on InAlAs epilayer lattice matched to indium phosphide. Applied Physics Letters, 2006, 88, 201914.	3.3	2
17	Modulation and Modeling of Three-Dimensional Nanowire Assemblies Targeting Gas Sensors with High Response and Reliability (Adv. Funct. Mater. 10/2022). Advanced Functional Materials, 2022, 32, .	14.9	0