

# Won Chul Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

598  
citations

840776

11  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of Nanoparticle Superlattice Formation by Using Liquid Cell Transmission Electron Microscopy. ACS Nano, 2012, 6, 2078-2085.	14.6	152
2	Reversible disorder-order transitions in atomic crystal nucleation. Science, 2021, 371, 498-503.	12.6	117
3	Amorphous-Phase-Mediated Crystallization of Ni Nanocrystals Revealed by High-Resolution Liquid-Phase Electron Microscopy. Journal of the American Chemical Society, 2019, 141, 763-768.	13.7	76
4	Graphene-templated directional growth of an inorganic nanowire. Nature Nanotechnology, 2015, 10, 423-428.	31.5	75
5	Liquid Cell Electron Microscopy of Nanoparticle Self-Assembly Driven by Solvent Drying. Journal of Physical Chemistry Letters, 2017, 8, 647-654.	4.6	41
6	Self-organized growth and self-assembly of nanostructures on 2D materials. FlatChem, 2017, 5, 50-68.	5.6	33
7	One-Dimensional Assembly on Two-Dimensions: AuCN Nanowire Epitaxy on Graphene for Hybrid Phototransistors. Nano Letters, 2018, 18, 6214-6221.	9.1	30
8	A Large-Scale Array of Ordered Graphene-Sandwiched Chambers for Quantitative Liquid-Phase Transmission Electron Microscopy. Advanced Materials, 2020, 32, e2002889.	21.0	19
9	Ligand-Dependent Coalescence Behaviors of Gold Nanoparticles Studied by Multichamber Graphene Liquid Cell Transmission Electron Microscopy. Nano Letters, 2020, 20, 8704-8710.	9.1	15
10	Universal Oriented van der Waals Epitaxy of 1D Cyanide Chains on Hexagonal 2D Crystals. Advanced Science, 2020, 7, 1900757.	11.2	13
11	Precise Identification of Graphene's Crystal Structures by Removable Nanowire Epitaxy. Journal of Physical Chemistry Letters, 2017, 8, 1302-1309.	4.6	11
12	A Transformative Gold Patterning through Selective Laser Refining of Cyanide. Nanomaterials, 2021, 11, 1921.	4.1	4
13	Liquid-cell Transmission Electron Microscopy for Tracking Self-assembly of Nanoparticles. Journal of Visualized Experiments, 2017, , .	0.3	3
14	Fully Stretchable Electromagnet Using Magnetoactive PDMS Sponges and Metallic Coils. Jom, 2019, 71, 4556-4561.	1.9	3
15	Selective Laser Pyrolytic Micropatterning of Stretched Elastomeric Polymer Surfaces. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 795-804.	4.9	2
16	Self-Assembled Nanochamber Arrays for in-situ TEM Observation of Liquid-Phase Samples. , 2019, , .		1
17	Facile Identification of Graphene's Crystal Orientations by Optical Microscopy of Self-Aligned Microwires. , 2019, , .		1
18	Graphene Oxide-Supported Microwell Grids for Preparing Cryo-TEM Samples with Controlled Ice Thickness. Advanced Materials, 2021, 33, e2102991.	21.0	1

#	ARTICLE	IF	CITATIONS
19	Epitaxial Growth of Diamond-Shaped Au <sub>1</sub> /2Ag <sub>1</sub> /2CN Nanocrystals on Graphene. <i>Materials</i> , 2021, 14, 7569.	2.9	1
20	Response to Comment on "Reversible disorder-order transitions in atomic crystal nucleation". <i>Science</i> , 2022, 375, eabj3683.	12.6	0