

# Yaoting Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

530  
citations

687363

13  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1090  
citing authors

#	ARTICLE	IF	CITATIONS
1	Binary icosahedral clusters of hard spheres in spherical confinement. <i>Nature Physics</i> , 2021, 17, 128-134.	16.7	42
2	Quantitative 3D real-space analysis of Laves phase supraparticles. <i>Nature Communications</i> , 2021, 12, 3980.	12.8	12
3	Designing Strong Optical Absorbers <i>via</i> Continuous Tuning of Interparticle Interaction in Colloidal Gold Nanocrystal Assemblies. <i>ACS Nano</i> , 2019, 13, 7493-7501.	14.6	18
4	Nanocrystal Core Size and Shape Substitutional Doping and Underlying Crystalline Order in Nanocrystal Superlattices. <i>ACS Nano</i> , 2019, 13, 5712-5719.	14.6	30
5	3D Nanofabrication via Chemo-Mechanical Transformation of Nanocrystal/Bulk Heterostructures. <i>Advanced Materials</i> , 2018, 30, e1800233.	21.0	15
6	Improved Chemical and Colloidal Stability of Gold Nanoparticles through Dendron Capping. <i>Langmuir</i> , 2018, 34, 13333-13338.	3.5	21
7	Interplay between spherical confinement and particle shape on the self-assembly of rounded cubes. <i>Nature Communications</i> , 2018, 9, 2228.	12.8	81
8	Hierarchical Materials Design by Pattern Transfer Printing of Self-Assembled Binary Nanocrystal Superlattices. <i>Nano Letters</i> , 2017, 17, 1387-1394.	9.1	40
9	Directional Carrier Transfer in Strongly Coupled Binary Nanocrystal Superlattice Films Formed by Assembly and <i>in Situ</i> Ligand Exchange at a Liquid-Air Interface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4146-4157.	3.1	19
10	Anisotropic Cracking of Nanocrystal Superlattices. <i>Nano Letters</i> , 2017, 17, 6501-6506.	9.1	18
11	Design, Self-Assembly, and Switchable Wettability in Hydrophobic, Hydrophilic, and Janus Dendritic Ligand-Gold Nanoparticle Hybrid Materials. <i>Chemistry of Materials</i> , 2017, 29, 8737-8746.	6.7	40
12	Preparation and Self-Assembly of Dendronized Janus Fe <sub>3</sub> O <sub>4</sub> -Pt and Fe <sub>3</sub> O <sub>4</sub> -Au Heterodimers. <i>ACS Nano</i> , 2017, 11, 7958-7966.	14.6	46
13	High-strength magnetically switchable plasmonic nanorods assembled from a binary nanocrystal mixture. <i>Nature Nanotechnology</i> , 2017, 12, 228-232.	31.5	75
14	Large-Area Nanoimprinted Colloidal Au Nanocrystal-Based Nanoantennas for Ultrathin Polarizing Plasmonic Metasurfaces. <i>Nano Letters</i> , 2015, 15, 5254-5260.	9.1	73