

# Lili Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6986665/publications.pdf>

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15  
papers

311  
citations

1040056

9  
h-index

1058476

14  
g-index

16  
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16  
docs citations

16  
times ranked

427  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled synthesis of highly-branched plasmonic gold nanoparticles through peptoid engineering. <i>Nature Communications</i> , 2018, 9, 2327.	12.8	74
2	Connecting energetics to dynamics in particle growth by oriented attachment using real-time observations. <i>Nature Communications</i> , 2020, 11, 1045.	12.8	74
3	Phase Transformation Mechanism of Amorphous Calcium Phosphate to Hydroxyapatite Investigated by Liquid-Cell Transmission Electron Microscopy. <i>Crystal Growth and Design</i> , 2021, 21, 5126-5134.	3.0	29
4	<i>In Situ</i> TEM and AFM Investigation of Morphological Controls during the Growth of Single Crystal BaWO <sub>4</sub> . <i>Crystal Growth and Design</i> , 2018, 18, 1367-1375.	3.0	20
5	Revisiting the Growth Mechanism of Hierarchical Semiconductor Nanostructures: The Role of Secondary Nucleation in Branch Formation. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6827-6834.	4.6	20
6	Postsynthetic Oxidation of the Coordination Site in a Heterometallic Metal-Organic Framework: Tuning Catalytic Behaviors. <i>Chemistry of Materials</i> , 2020, 32, 5192-5199.	6.7	20
7	Crystallization and Phase Transformations of Aluminum (Oxy)hydroxide Polymorphs in Caustic Aqueous Solution. <i>Inorganic Chemistry</i> , 2021, 60, 9820-9832.	4.0	15
8	Molecular Intermediate in the Directed Formation of a Zeolitic Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2020, 142, 17598-17606.	13.7	13
9	Kinetics and Mechanisms of ZnO to ZIF-8 Transformations in Supercritical CO <sub>2</sub> Revealed by <i>In Situ</i> X-ray Diffraction. <i>ChemSusChem</i> , 2020, 13, 2602-2612.	6.8	11
10	Particle-based hematite crystallization is invariant to initial particle morphology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2112679119.	7.1	9
11	Role of the Solvent-Surfactant Duality of Ionic Liquids in Directing Two-Dimensional Particle Assembly. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24215-24222.	3.1	8
12	Radiolysis and Radiation-Driven Dynamics of Boehmite Dissolution Observed by <i>In Situ</i> Liquid-Phase TEM. <i>Environmental Science &amp; Technology</i> , 2022, 56, 5029-5036.	10.0	8
13	Formation and growth of cerium (III) oxalate nanocrystals by liquid-cell transmission electron microscopy. <i>Scripta Materialia</i> , 2022, 219, 114856.	5.2	5
14	Frustrated Coulombic and Cation Size Effects on Nanoscale Boehmite Aggregation: A Tumbler Small- and Ultra-Small-Angle Neutron Scattering Study. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4391-4414.	3.1	4
15	Particle-Based Crystallization. <i>ACS Symposium Series</i> , 0, , 37-73.	0.5	1