

# Chia-Hao Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

182  
citations

1307594

7  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using a machine learning approach to determine the space group of a structure from the atomic pair distribution function. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, 633-643.	0.1	47
2	<i>Cluster-mining</i> : an approach for determining core structures of metallic nanoparticles from atomic pair distribution function data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020, 76, 24-31.	0.1	34
3	Defect-Accommodating Intermediates Yield Selective Low-Temperature Synthesis of $\text{YMnO}_3$ Polymorphs. <i>Inorganic Chemistry</i> , 2020, 59, 13639-13650.	4.0	22
4	Validation of non-negative matrix factorization for rapid assessment of large sets of atomic pair distribution function data. <i>Journal of Applied Crystallography</i> , 2021, 54, 768-775.	4.5	20
5	A thermal-gradient approach to variable-temperature measurements resolved in space. <i>Journal of Applied Crystallography</i> , 2020, 53, 662-670.	4.5	19
6	Lowering Ternary Oxide Synthesis Temperatures by Solid-State Cometathesis Reactions. <i>Chemistry of Materials</i> , 2021, 33, 3692-3701.	6.7	14
7	<i>SAS</i> PDF: pair distribution function analysis of nanoparticle assemblies from small-angle scattering data. <i>Journal of Applied Crystallography</i> , 2020, 53, 699-709.	4.5	10
8	<i>nmfMapping</i> : a cloud-based web application for non-negative matrix factorization of powder diffraction and pair distribution function datasets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2022, 78, 242-248.	0.1	6
9	Reaction Selectivity in Cometathesis: Yttrium Manganese Oxides. <i>Chemistry of Materials</i> , 2022, 34, 4694-4702.	6.7	4
10	Pellet-buffered film seed to grow single grain bulk YBCO. <i>Journal of the American Ceramic Society</i> , 2017, 100, 5038-5043.	3.8	3
11	Robustness test of the <i>spacegroupMining</i> model for determining space groups from atomic pair distribution function data. <i>Journal of Applied Crystallography</i> , 2022, 55, 626-630.	4.5	3
12	Robust Nanostructure from High Throughput Powder Diffraction Data. <i>Microscopy and Microanalysis</i> , 2017, 23, 172-173.	0.4	0