

# Wei-Shang Lo

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,046  
citations

567281

15  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid quantum-classical simulations of magic angle spinning dynamic nuclear polarization in very large spin systems. <i>Journal of Chemical Physics</i> , 2022, 156, 124112.	3.0	10
2	Probing the Interface between Encapsulated Nanoparticles and Metal-Organic Frameworks for Catalytic Selectivity Control. <i>Chemistry of Materials</i> , 2021, 33, 1946-1953.	6.7	19
3	Creating an Aligned Interface between Nanoparticles and MOFs by Concurrent Replacement of Capping Agents. <i>Journal of the American Chemical Society</i> , 2021, 143, 5182-5190.	13.7	32
4	Tailoring Heterogeneous Catalysts at the Atomic Level: In Memoriam, Prof. Chia-Kuang (Frank) Tsung. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, , .	8.0	0
5	Tuning Metal-Organic Framework Nanocrystal Shape through Facet-Dependent Coordination. <i>Nano Letters</i> , 2020, 20, 1774-1780.	9.1	52
6	Probing Interactions between Metal-Organic Frameworks and Freestanding Enzymes in a Hollow Structure. <i>Nano Letters</i> , 2020, 20, 6630-6635.	9.1	76
7	Stabilizing DNAzymes through Encapsulation in a Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2020, 26, 12931-12935.	3.3	9
8	Enhancing Four-Carbon Olefin Production from Acetylene over Copper Nanoparticles in Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 31496-31502.	8.0	13
9	Applying a Nanoparticle@MOF Interface To Activate an Unconventional Regioselectivity of an Inert Reaction at Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2020, 142, 11521-11527.	13.7	26
10	Strain-Enhanced Metallic Intermixing in Shape-Controlled Multilayered Core-Shell Nanostructures: Toward Shaped Intermetallics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10574-10580.	13.8	22
11	Strain-Enhanced Metallic Intermixing in Shape-Controlled Multilayered Core-Shell Nanostructures: Toward Shaped Intermetallics. <i>Angewandte Chemie</i> , 2020, 132, 10661-10667.	2.0	2
12	Investigating lattice strain impact on the alloyed surface of small Au@PdPt core-shell nanoparticles. <i>Nanoscale</i> , 2020, 12, 8687-8692.	5.6	16
13	A Metal-Organic Framework Thin Film for Selective Mg <sup>2+</sup> Transport. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15313-15317.	13.8	56
14	Rapid mechanochemical encapsulation of biocatalysts into robust metal-organic frameworks. <i>Nature Communications</i> , 2019, 10, 5002.	12.8	139
15	A Metal-Organic Framework Thin Film for Selective Mg <sup>2+</sup> Transport. <i>Angewandte Chemie</i> , 2019, 131, 15457-15461.	2.0	1
16	Structural Control of Uniform MOF-74 Microcrystals for the Study of Adsorption Kinetics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35820-35826.	8.0	36
17	Directional Engraving within Single Crystalline Metal-Organic Framework Particles via Oxidative Linker Cleaving. <i>Journal of the American Chemical Society</i> , 2019, 141, 20365-20370.	13.7	72
18	Long-Range Olefin Isomerization Catalyzed by Palladium(0) Nanoparticles. <i>ACS Omega</i> , 2017, 2, 698-711.	3.5	18

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19	Shielding against Unfolding by Embedding Enzymes in Metal-Organic Frameworks via a <i>de Novo</i> Approach. <i>Journal of the American Chemical Society</i> , 2017, 139, 6530-6533.	13.7	292
20	Green and rapid synthesis of zirconium metal-organic frameworks via mechanochemistry: UiO-66 analog nanocrystals obtained in one hundred seconds. <i>Chemical Communications</i> , 2017, 53, 5818-5821.	4.1	90
21	Cytotoxicity of Postmodified Zeolitic Imidazolate Framework-90 (ZIF-90) Nanocrystals: Correlation between Functionality and Toxicity. <i>Chemistry - A European Journal</i> , 2016, 22, 2925-2929.	3.3	50
22	A green and facile approach to obtain 100 nm zeolitic imidazolate framework-90 (ZIF-90) particles via leveraging viscosity effects. <i>RSC Advances</i> , 2014, 4, 52883-52886.	3.6	15