

Molly Meng-Jung Li

List of Publications by Year in descending order

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32
papers

2,276
citations

331670

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434195

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33
all docs

33
docs citations

33
times ranked

3872
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Decarbonization via Green H ₂ or NH ₃ ?. ACS Energy Letters, 2022, 7, 1021-1033.	17.4	45
2	Crafting an active center with a local charge density gradient to facilitate photocatalytic ethylene production from CO ₂ . Current Opinion in Green and Sustainable Chemistry, 2022, 36, 100646.	5.9	3
3	The role of acid and metal sites in hydrodeoxygenation of guaiacol over Ni/Beta catalysts. Catalysis Science and Technology, 2020, 10, 810-825.	4.1	69
4	Shape selectivity of zeolite catalysts for the hydrodeoxygenation of biocrude oil and its model compounds. Microporous and Mesoporous Materials, 2020, 309, 110561.	4.4	30
5	Methanol Synthesis at a Wide Range of H ₂ /CO ₂ Ratios over a Rh-In Bimetallic Catalyst. Angewandte Chemie - International Edition, 2020, 59, 16039-16046.	13.8	54
6	Methanol Synthesis at a Wide Range of H ₂ /CO ₂ Ratios over a Rh-In Bimetallic Catalyst. Angewandte Chemie, 2020, 132, 16173-16180.	2.0	17
7	Evaluation of Brønsted and Lewis acid sites in H-ZSM-5 and H-USY with or without metal modification using probe molecule-synchrotron X-ray powder diffraction. Applied Catalysis A: General, 2020, 596, 117528.	4.3	5
8	Enhanced propylene oxide selectivity for gas phase direct propylene epoxidation by lattice expansion of silver atoms on nickel nanoparticles. Applied Catalysis B: Environmental, 2019, 243, 304-312.	20.2	26
9	Transition metal-doped nickel phosphide nanoparticles as electro- and photocatalysts for hydrogen generation reactions. Applied Catalysis B: Environmental, 2019, 242, 186-193.	20.2	120
10	Understanding catalysis for processing glycerol and glycerol-based derivatives for the production of value added chemicals. Catalysis, 2019, , 267-296.	1.0	0
11	CO ₂ Hydrogenation to Methanol over Catalysts Derived from Single Cationic Layer CuZnGa LDH Precursors. ACS Catalysis, 2018, 8, 4390-4401.	11.2	121
12	Evaluation of the molecular poisoning phenomenon of W sites in ZSM-5 via synchrotron X-ray powder diffraction. Chemical Communications, 2018, 54, 7014-7017.	4.1	3
13	Bimetallic catalysts for green methanol production via CO ₂ and renewable hydrogen: a mini-review and prospects. Catalysis Science and Technology, 2018, 8, 3450-3464.	4.1	104
14	Tailored transition metal-doped nickel phosphide nanoparticles for the electrochemical oxygen evolution reaction (OER). Chemical Communications, 2018, 54, 8630-8633.	4.1	73
15	MoS ₂ monolayer catalyst doped with isolated Co atoms for the hydrodeoxygenation reaction. Nature Chemistry, 2017, 9, 810-816.	13.6	683
16	Lithium and boron as interstitial palladium dopants for catalytic partial hydrogenation of acetylene. Chemical Communications, 2017, 53, 601-604.	4.1	31
17	Structural Studies of Bulk to Nanosize Niobium Oxides with Correlation to Their Acidity. Journal of the American Chemical Society, 2017, 139, 12670-12680.	13.7	125
18	A promising low pressure methanol synthesis route from CO ₂ hydrogenation over Pd@Zn core-shell catalysts. Green Chemistry, 2017, 19, 270-280.	9.0	82

#	ARTICLE	IF	CITATIONS
19	Structure-Activity Correlations for Brønsted Acid, Lewis Acid, and Photocatalyzed Reactions of Exfoliated Crystalline Niobium Oxides. <i>ChemCatChem</i> , 2017, 9, 144-154.	3.7	22
20	The remarkable activity and stability of a highly dispersive beta-brass Cu-Zn catalyst for the production of ethylene glycol. <i>Scientific Reports</i> , 2016, 6, 20527.	3.3	18
21	Enhanced CO ₂ hydrogenation to methanol over CuZn nanoalloy in Ga modified Cu/ZnO catalysts. <i>Journal of Catalysis</i> , 2016, 343, 157-167.	6.2	152
22	Pd@Zn core-shell nanoparticles of controllable shell thickness for catalytic methanol production. <i>Catalysis Science and Technology</i> , 2016, 6, 7698-7702.	4.1	19
23	Importance of the structural integrity of a carbon conjugated mediator for photocatalytic hydrogen generation from water over a CdS-carbon nanotube-MoS ₂ composite. <i>Chemical Communications</i> , 2016, 52, 13596-13599.	4.1	20
24	Cooperative catalysis for the direct hydrodeoxygenation of vegetable oils into diesel-range alkanes over Pd/NbOPO ₄ . <i>Chemical Communications</i> , 2016, 52, 5160-5163.	4.1	43
25	Surfactant-free nickel-silver core@shell nanoparticles in mesoporous SBA-15 for chemoselective hydrogenation of dimethyl oxalate. <i>Chemical Communications</i> , 2016, 52, 2569-2572.	4.1	39
26	Graphitic carbon nitride catalysed photoacetalization of aldehydes/ketones under ambient conditions. <i>Chemical Communications</i> , 2016, 52, 2772-2775.	4.1	34
27	The remarkable activity and stability of a dye-sensitized single molecular layer MoS ₂ ensemble for photocatalytic hydrogen production. <i>Chemical Communications</i> , 2015, 51, 13496-13499.	4.1	43
28	Enhanced chemoselective hydrogenation of dimethyl oxalate to methyl glycolate over bimetallic Ag-Ni/SBA-15 catalysts. <i>Applied Catalysis A: General</i> , 2015, 505, 344-353.	4.3	47
29	Interstitial modification of palladium nanoparticles with boron atoms as a green catalyst for selective hydrogenation. <i>Nature Communications</i> , 2014, 5, 5787.	12.8	196
30	Morphology, Chemical Composition and Phase Transformation of Hydrothermal Derived Sodium Titanate. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3297-3304.	3.8	34
31	Influence of ionic mobility on the phase transformation route in Y ₃ Al ₅ O ₁₂ (YAG) stoichiometry. <i>Journal of the European Ceramic Society</i> , 2011, 31, 2099-2106.	5.7	14
32	Thermal Alteration in Adsorption Sites over SAPO-34 Zeolite. <i>Angewandte Chemie</i> , 0, , .	2.0	1