

# Ya-Jing Lyu

## List of Publications by Year in descending order

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Version: 2024-02-01

10  
papers

138  
citations

1307594

7  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

213  
citing authors

#	ARTICLE	IF	CITATIONS
1	A mechanistic study on guanidine-catalyzed chemical fixation of CO <sub>2</sub> with 2-aminobenzonitrile to quinazoline-2,4(1H,3H)-dione. <i>Organic Chemistry Frontiers</i> , 2016, 3, 823-835.	4.5	29
2	Cooperative Catalytic Performance of Lewis and Brønsted Acids from AlCl <sub>3</sub> Salt in Aqueous Solution toward Glucose-to-Fructose Isomerization. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4879-4891.	3.1	28
3	Synergistic Catalytic Mechanism of Acidic Silanol and Basic Alkylamine Bifunctional Groups Over SBA-15 Zeolite toward Aldol Condensation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4903-4913.	3.1	20
4	Catalytic mechanisms of oxygen-containing groups over vanadium active sites in an Al-MCM-41 framework for production of 2,5-diformylfuran from 5-hydroxymethylfurfural. <i>Catalysis Science and Technology</i> , 2020, 10, 278-290.	4.1	15
5	Performance of edges on carbon for the catalytic hydroxylation of benzene to phenol. <i>Catalysis Science and Technology</i> , 2018, 8, 176-186.	4.1	13
6	The design and catalytic performance of molybdenum active sites on an MCM-41 framework for the aerobic oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran. <i>Catalysis Science and Technology</i> , 2019, 9, 811-821.	4.1	13
7	Lactamization of sp <sup>2</sup> C-H bonds with CO <sub>2</sub> under transition-metal-free and redox-neutral conditions: a computational mechanistic study. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2189-2201.	4.5	8
8	Molecular mechanism comparison of decarbonylation with deoxygenation and hydrogenation of 5-hydroxymethylfurfural catalyzed by palladium acetate. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3795-3804.	2.8	8
9	Cooperative interaction of sodium and chlorine ions with β <sup>2</sup> -cellobiose in aqueous solution from quantum mechanics and molecular dynamics. <i>Cellulose</i> , 2020, 27, 6793-6809.	4.9	3
10	Regular patterns of the effects of hydrogen-containing additives on the formation of CdSe monomer. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20863-20873.	2.8	1