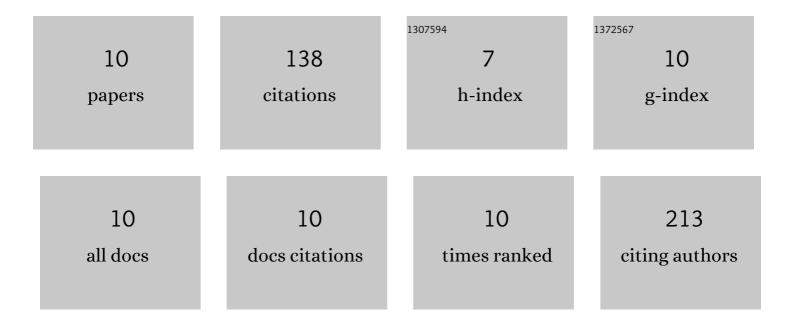
Ya-Jing Lyu

List of Publications by Year in descending order

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YA-LING LVU

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