

Guangyu Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Bimetallic AuPt/TiO ₂ Catalysts for Direct Oxidation of Glucose and Gluconic Acid to Tartaric Acid in the Presence of Molecular O ₂ . ACS Catalysis, 2020, 10, 10932-10945.	11.2	37
2	Liquid-Phase Epoxidation of Light Olefins over W and Nb Nanocatalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 4423-4452.	6.7	36
3	Toward Selective Dehydrogenation of Glycerol to Lactic Acid over Bimetallic Pt-Co/CeO _x Catalysts. Industrial & Engineering Chemistry Research, 2019, 58, 14548-14558.	3.7	25
4	Recent Progress in Adipic Acid Synthesis Over Heterogeneous Catalysts. Frontiers in Chemistry, 2020, 8, 185.	3.6	20
5	Catalytic Transfer Hydrogenolysis of Glycerol over Heterogeneous Catalysts: A Short Review on Mechanistic Studies. Chemical Record, 2021, 21, 1792-1810.	5.8	20
6	Recent Advances on Purification of Lactic Acid. Chemical Record, 2020, 20, 1236-1256.	5.8	18
7	Interfacial catalysts for sustainable chemistry: advances on atom and energy efficient glycerol conversion to acrylic acid. Green Chemistry, 2021, 23, 51-76.	9.0	17
8	Hydrogenolysis of Glycerol to Propylene Glycol: Energy, Tech-Economic, and Environmental Studies. Frontiers in Chemistry, 2021, 9, 778579.	3.6	14
9	Catalytic Transfer Hydrogenolysis of Bio-Polyols to Renewable Chemicals over Bimetallic PtPd/C Catalysts: Size-Dependent Activity and Selectivity. ACS Sustainable Chemistry and Engineering, 2020, 8, 5305-5316.	6.7	13
10	Fe ³⁺ -Mediated Pt/Y Zeolite Catalysts Display Enhanced Metal-Bronsted Acid Interaction and Synergistic Cascade Hydrogenolysis Reactions. Industrial & Engineering Chemistry Research, 2020, 59, 17387-17398.	3.7	9
11	Synergistic Bimetallic Pd-Pt/TiO ₂ Catalysts for Hydrogenolysis of Xylitol with In Situ-Formed H ₂ . Industrial & Engineering Chemistry Research, 2020, 59, 13879-13891.	3.7	9
12	Chemical Synthesis of Adipic Acid from Glucose and Derivatives: Challenges for Nanocatalyst Design. ACS Sustainable Chemistry and Engineering, 2020, 8, 18732-18754.	6.7	8
13	PtRu/Zn ₃ CeO _x catalysts with Lewis acid-base pairs show synergistic performances for the conversion of glycerol in the absence of externally added H ₂ . Catalysis Science and Technology, 2020, 10, 4386-4395.	4.1	7
14	Recent Advances on Synthesis of CoCO ₃ with Controlled Morphologies. Chemical Record, 2022, 22, e202200021.	5.8	2