

Theodore W Walker

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

962
citations

933447

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1199594

12
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all docs

12
docs citations

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times ranked

1213
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Mixed-Solvent Environments on the Selectivity of Acid-Catalyzed Dehydration Reactions. ACS Catalysis, 2020, 10, 1679-1691.	11.2	45
2	Recycling of multilayer plastic packaging materials by solvent-targeted recovery and precipitation. Science Advances, 2020, 6, .	10.3	170
3	Rational Design of Mixed Solvent Systems for Acid-Catalyzed Biomass Conversion Processes Using a Combined Experimental, Molecular Dynamics and Machine Learning Approach. Topics in Catalysis, 2020, 63, 649-663.	2.8	11
4	Solid-State NMR Studies of Solvent-Mediated, Acid-Catalyzed Woody Biomass Pretreatment for Enzymatic Conversion of Residual Cellulose. ACS Sustainable Chemistry and Engineering, 2020, 8, 6551-6563.	6.7	10
5	Electrocatalytic Oxidation of Glycerol to Formic Acid by CuCo ₂ O ₄ Spinel Oxide Nanostructure Catalysts. ACS Catalysis, 2020, 10, 6741-6752.	11.2	221
6	Effects of chloride ions in acid-catalyzed biomass dehydration reactions in polar aprotic solvents. Nature Communications, 2019, 10, 1132.	12.8	117
7	Fundamental catalytic challenges to design improved biomass conversion technologies. Journal of Catalysis, 2019, 369, 518-525.	6.2	64
8	Universal kinetic solvent effects in acid-catalyzed reactions of biomass-derived oxygenates. Energy and Environmental Science, 2018, 11, 617-628.	30.8	122
9	Production of monosaccharides and whey protein from acid whey waste streams in the dairy industry. Green Chemistry, 2018, 20, 1824-1834.	9.0	40
10	Production of levoglucosenone and 5-hydroxymethylfurfural from cellulose in polar aprotic solvent-water mixtures. Green Chemistry, 2017, 19, 3642-3653.	9.0	121
11	Kinetics of Levoglucosenone Isomerization. ChemSusChem, 2017, 10, 129-138.	6.8	37