Title: Single-Atom Silver-Manganese Nanocatalysts Based on Atom-Economy Design for Reaction Temperature-controlled Selective Hydrogenation of Bioresources-Derivable Diethyl Oxalate to Ethyl Glycolate and Acetaldehyde Diethyl Acetal

Authors: Jie Ding, Maohong Fan, Qin Zhong, Armistead G. Russell

PII: S0926-3373(18)30257-1
DOI: https://doi.org/10.1016/j.apcatb.2018.03.058
Reference: APCATB 16516

To appear in: *Applied Catalysis B: Environmental*

Received date: 6-12-2017
Revised date: 7-2-2018
Accepted date: 19-3-2018

Please cite this article as: Ding J, Fan M, Zhong Q, Russell AG, Single-Atom Silver-Manganese Nanocatalysts Based on Atom-Economy Design for Reaction Temperature-controlled Selective Hydrogenation of Bioresources-Derivable Diethyl Oxalate to Ethyl Glycolate and Acetaldehyde Diethyl Acetal, *Applied Catalysis B: Environmental* (2010), https://doi.org/10.1016/j.apcatb.2018.03.058

Single-Atom Silver-Manganese Nanocatalysts Based on Atom-Economy Design for Reaction Temperature-controlled Selective Hydrogenation of Bioresources-Derivable Diethyl Oxalate to Ethyl Glycolate and Acetaldehyde Diethyl Acetal

Jie Ding[a,b,c], Maohong Fan[a,c,d]*, Qin Zhong[b]*, Armistead G. Russell[d]

[a]*Department of Chemical and Petroleum Engineering, University of Wyoming, Laramie, Wyoming 82071, USA*

[b]*School of Chemical Engineering, Nanjing University of Science and Technology, Nanjing, Jiangsu 210094, PR China*

[c]*School of Energy Resources, University of Wyoming, 1000 East University Avenue, Laramie 82071, WY, USA*

[d]*School of Civil and Environmental Engineering, Georgia Institute of Technology, Mason Building, 790 Atlantic Drive, Atlanta 30332, GA, USA*

Corresponding author: Maohong Fan. Email:mfan@uwyo.edu, mfan3@mail.gatech.edu. Tel/Fax number: +1 307 766 5633/404 385 4577.

Qin Zhong. Email: zq304@mail.njust.edu.cn, Tel/Fax number: +86 025 84315517