

Supporting Information

A Pickering Emulsion of Bifunctional Interface Prepared by Pd Nanoparticles Supported on Silicane-Modified Graphene Oxide: An Efficient Catalyst for Water-Mediated Catalytic Hydrogenation

Bing Xue, Tongchun Xu, Dongsheng Li, Jie Xu, Yongxin Li *, Fei Wang and Jie Zhu*

Jiangsu Key Laboratory of Advanced Catalytic Materials and Technology, School of Petrochemical Engineering, Changzhou University, Gehu Middle Road 21, Changzhou, Jiangsu 213164, PR China.

E-mail: liyxluck@163.com (Y. Li)

Figure S1. Optical micrograph of Pd/GO-Si-2.0g stabilized Pickering emulsion.

Figure S2. Contact angles of water (a) and CAL (b) on Pd/GO-Si-2.0g surface.

Figure S3. Optical micrograph of Pd/SBA-15-Si stabilized Pickering emulsion.

Figure S4. Contact angles of water (a) and CAL (b) on Pd/SBA-15-Si surface.

Figure S5. Effects of temperature and pressure on selective hydrogenation of CAL over Pd/GO-Si stabilized Pickering emulsion.

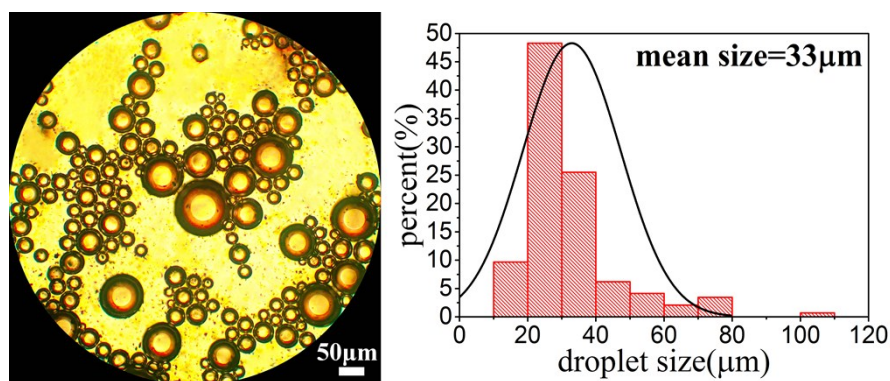


Figure S1. Optical micrograph of Pd/GO-Si-2.0g stabilized Pickering emulsion.

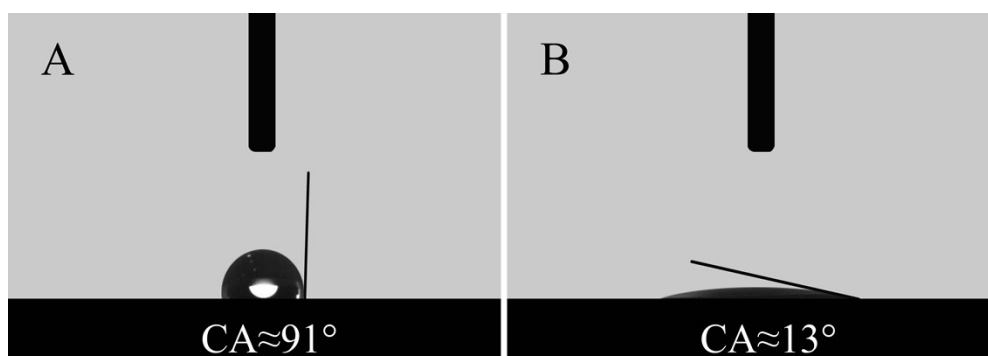


Figure S2. Contact angles of water (a) and CAL (b) on Pd/GO-Si-2.0g surface.

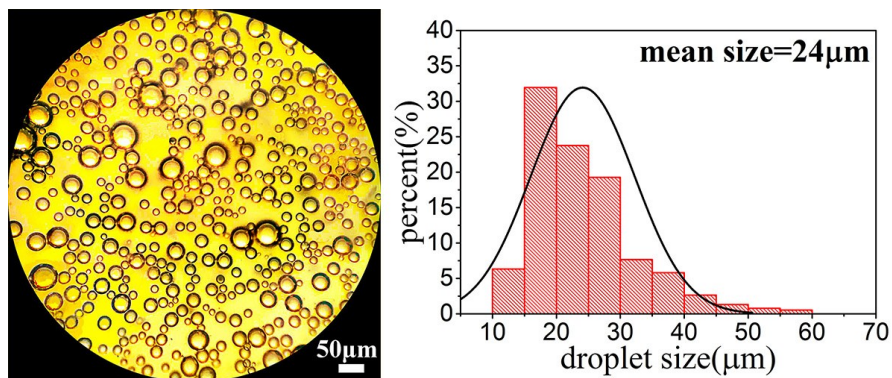


Figure S3. Optical micrograph of Pd/SBA-15-Si stabilized Pickering emulsion.

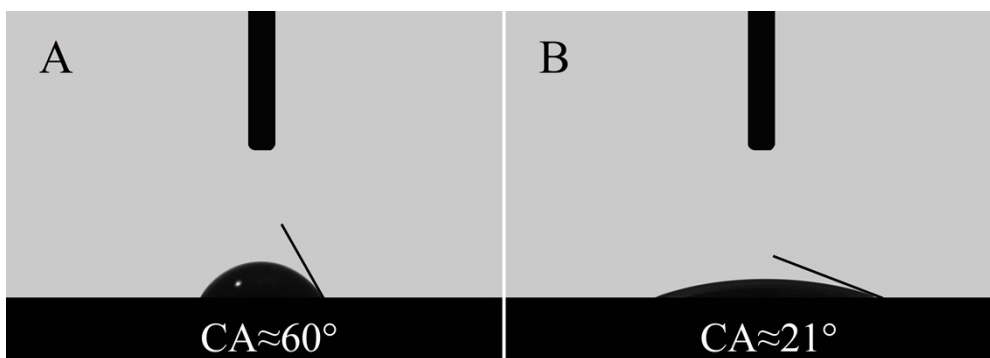


Figure S4. Contact angles of water (a) and CAL (b) on Pd/SBA-15-Si surface.

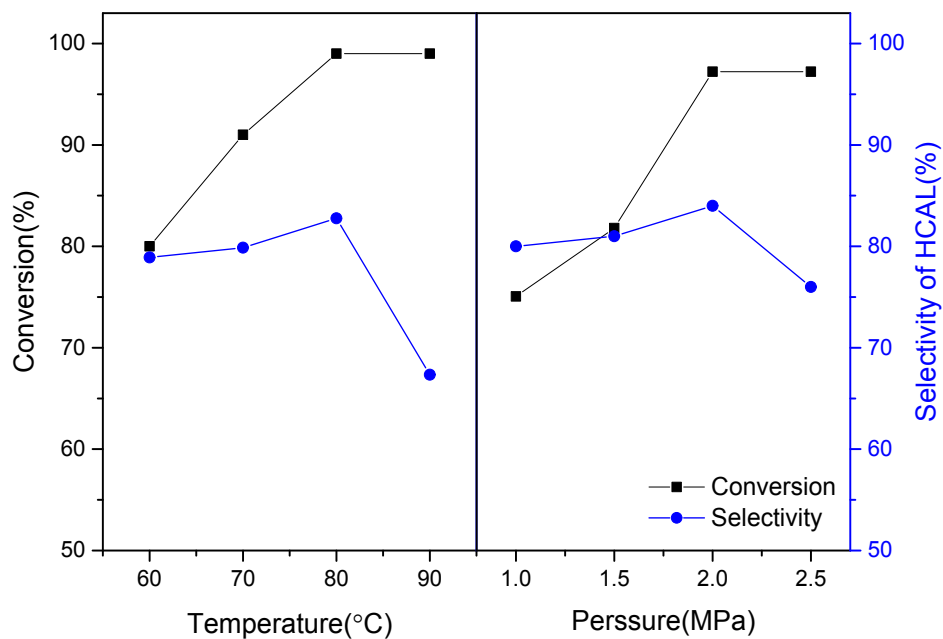


Figure S5. Effects of temperature and pressure on selective hydrogenation of CAL over Pd/GO-Si stabilized Pickering emulsion.