

Supporting Information

POSS-Derived Mesoporous Ionic Copolymer-Polyoxometalate Catalysts with Surfactant Function for Epoxidation Reactions

Jiwei Zhao,^a Yan Leng,^{*a} Pingping Jiang,^a Jun Wang^b, and Chenjun Zhang^a

^a The Key Laboratory of Food Colloids and Biotechnology, Ministry of Education, School of Chemical and Material Engineering, Jiangnan University, Wuxi 214122, China. Fax: +86-510-85917763; Tel: +86-510-85917090; E-mail: lengyan1114@126.com.

^b State Key Laboratory of Materials-Oriented Chemical Engineering, College of Chemistry and Chemical Engineering, Nanjing Tech University, Nanjing 210009, China.

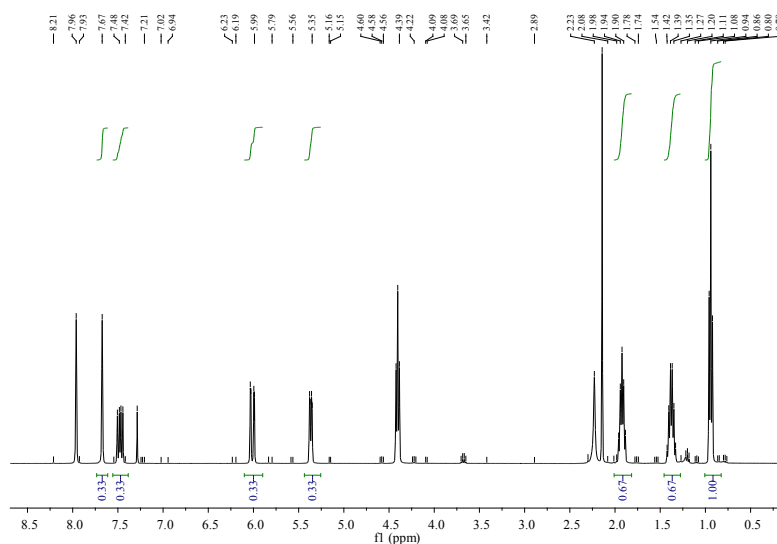


Figure S1. ¹H NMR spectrum of ionic liquid BIM.

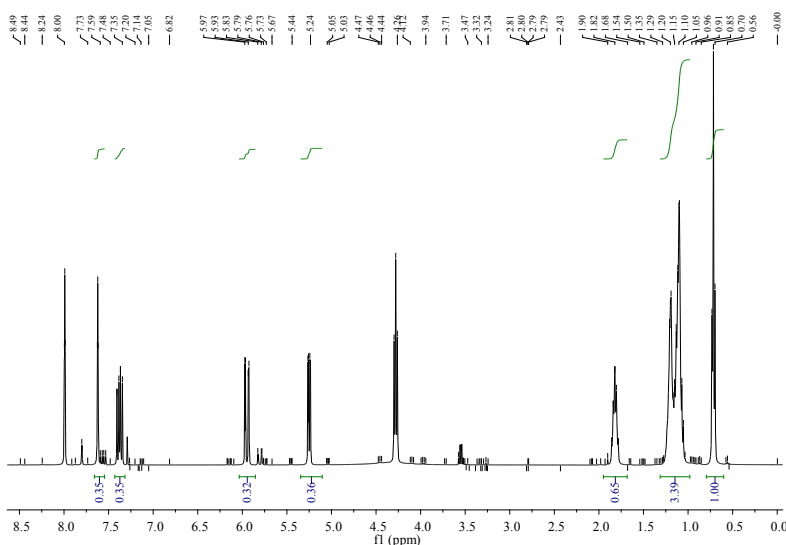


Figure S2. ¹H NMR spectrum of ionic liquid OIM.

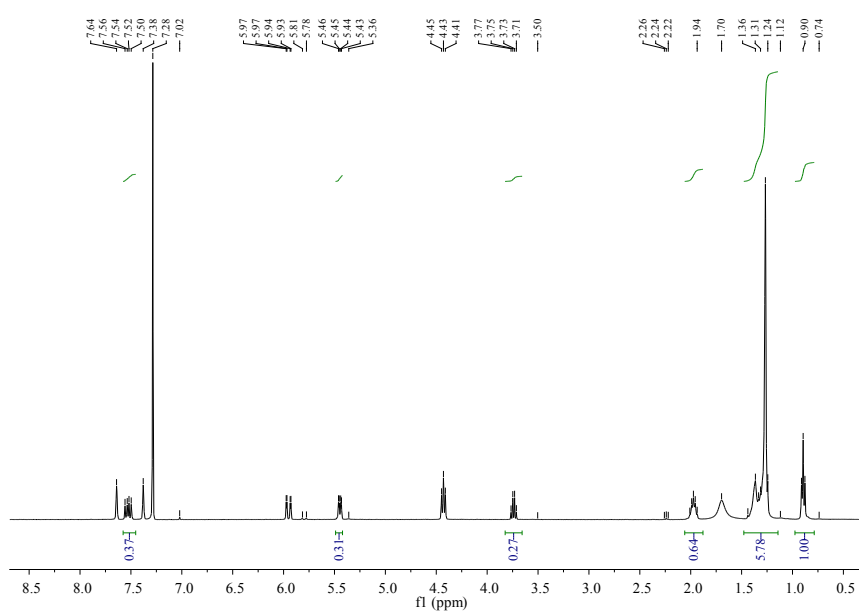


Figure S3. ^1H NMR spectrum of ionic liquid DIM.

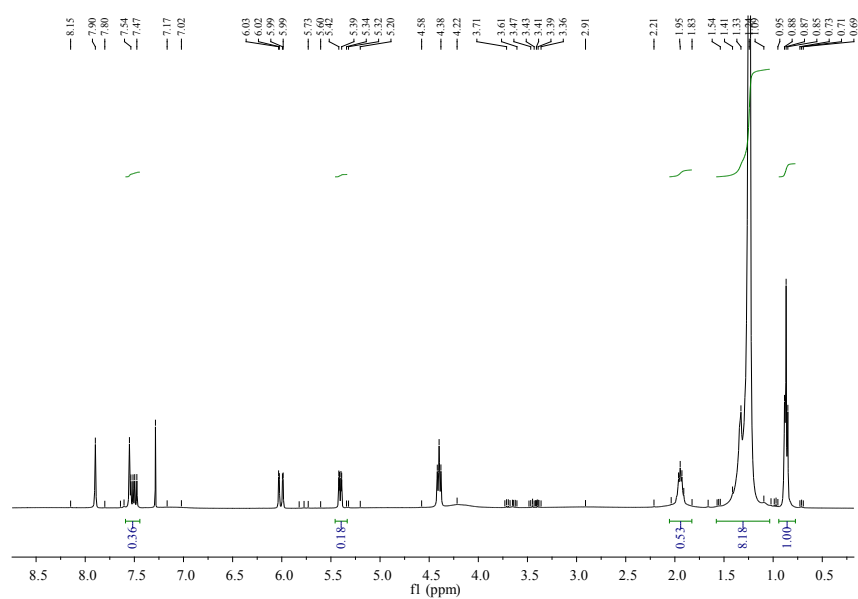


Figure S4. ^1H NMR spectrum of ionic liquid HIM.

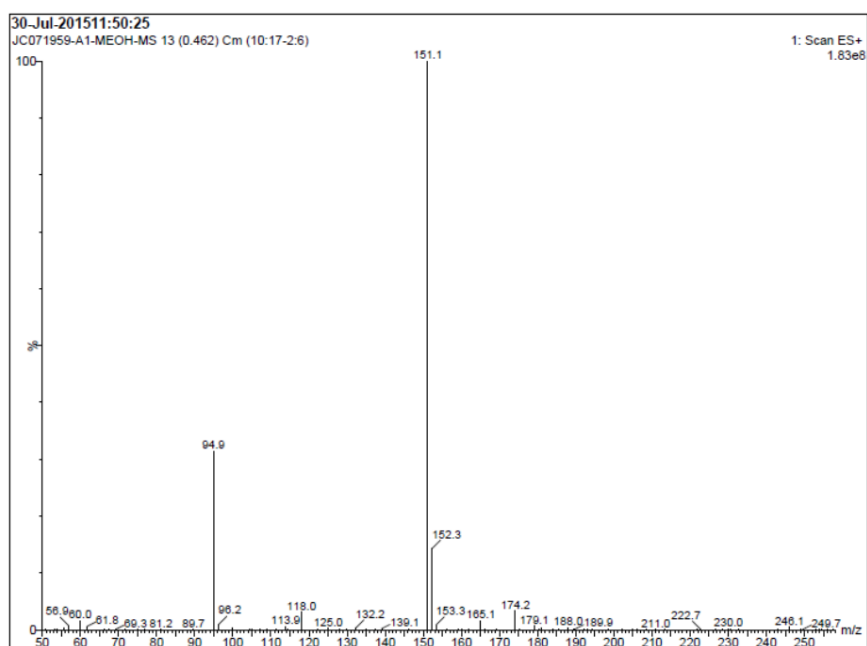


Figure S5A. Positive-ion ESI-MS of BIM.

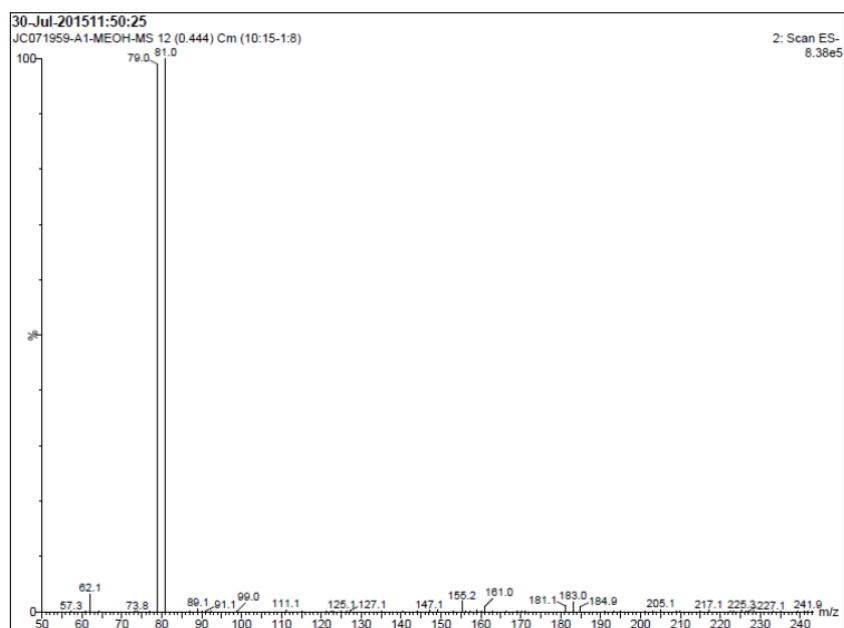


Figure S5B. Negative-ion ESI-MS of BIM

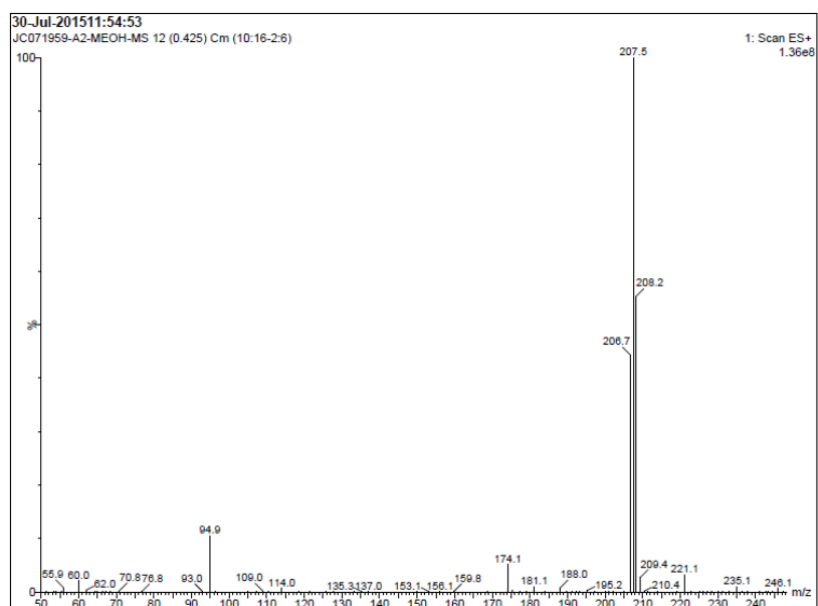


Figure S6A. Positive-ion ESI-MS of OIM.

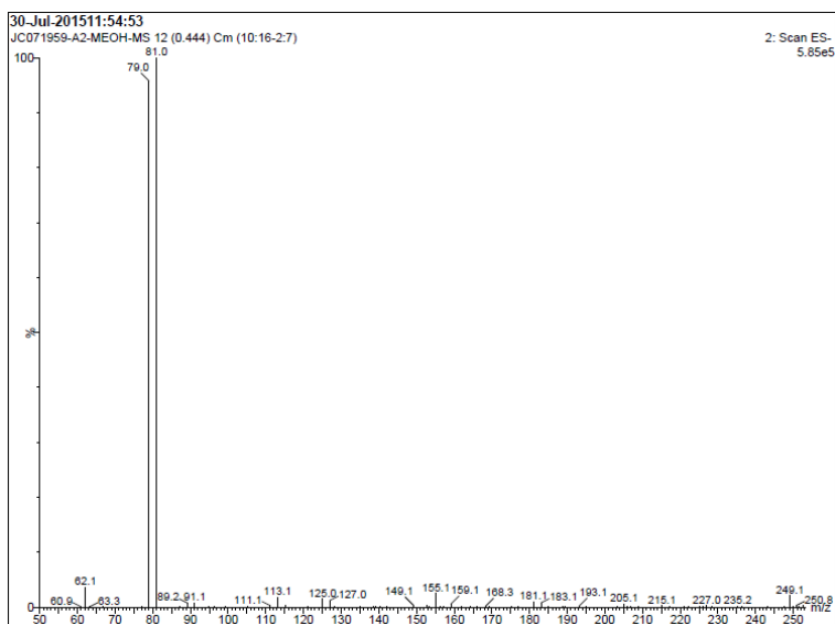


Figure S6B. Negative-ion ESI-MS of OIM.

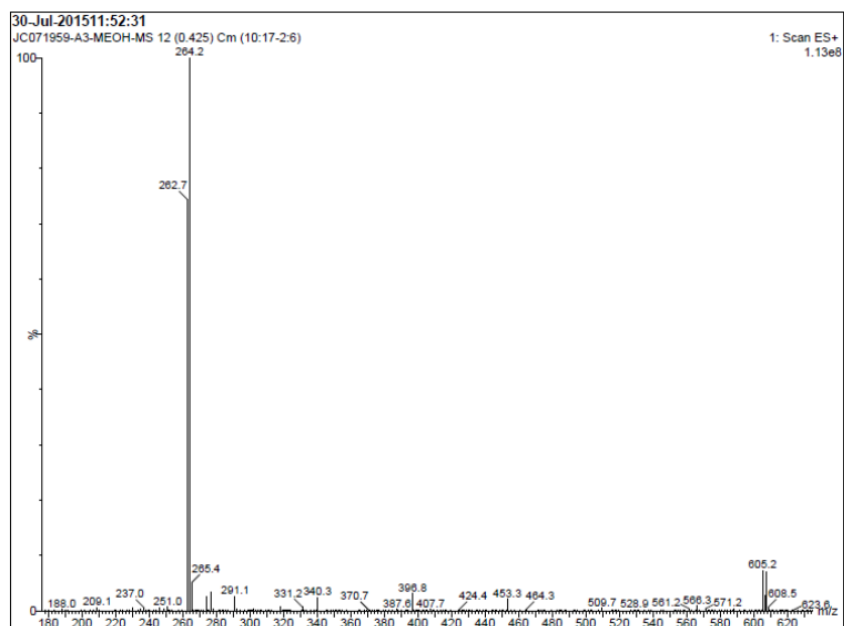


Figure S7A. Positive-ion ESI-MS of DIM.

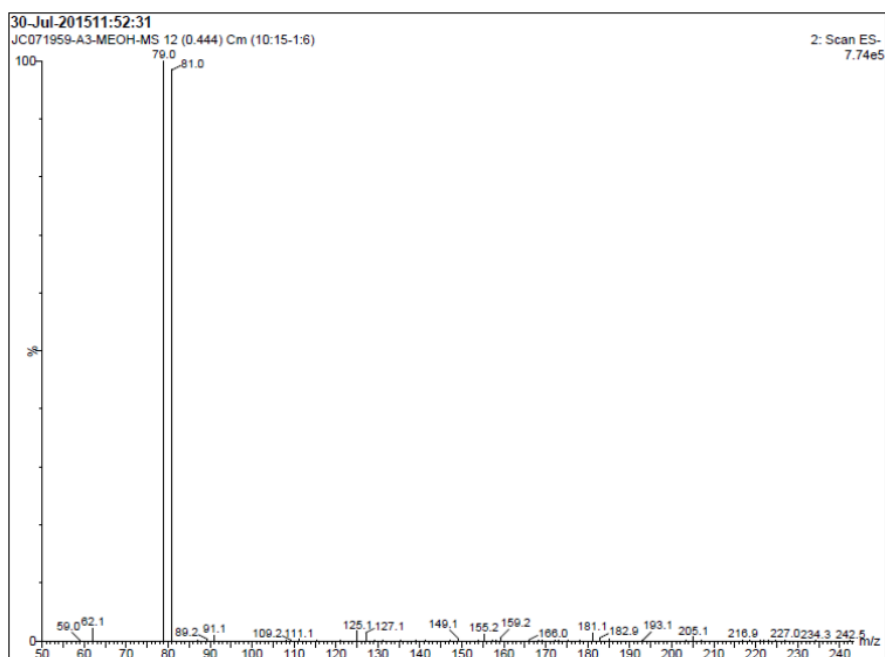


Figure S7B. Negative-ion ESI-MS of DIM.

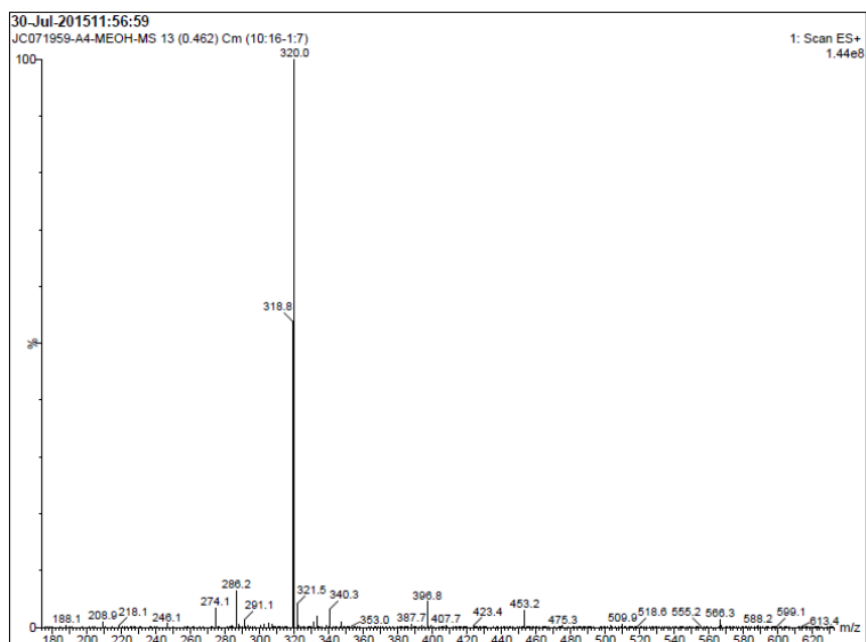


Figure S8A. Positive-ion ESI-MS of HIM.

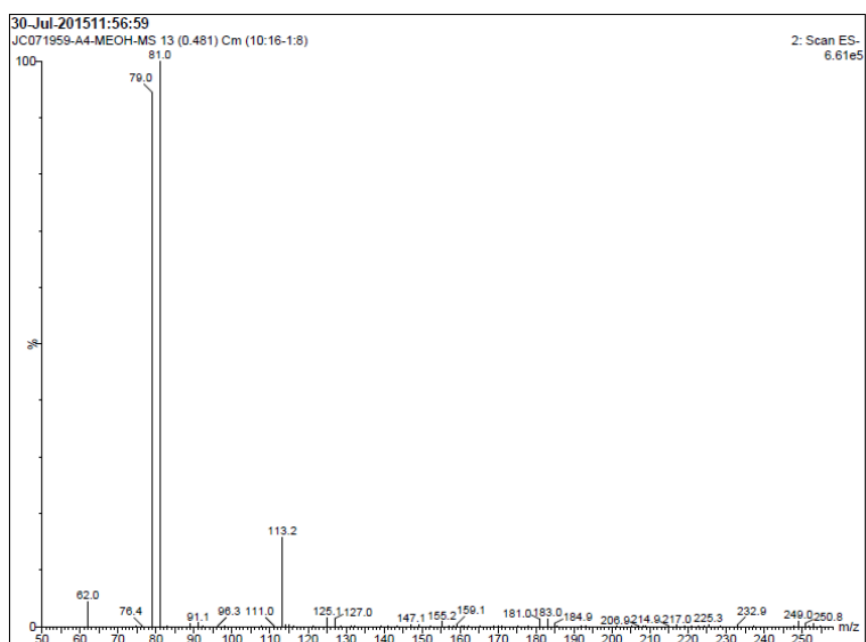


Figure S8B. Negative-ion ESI-MS of HIM.

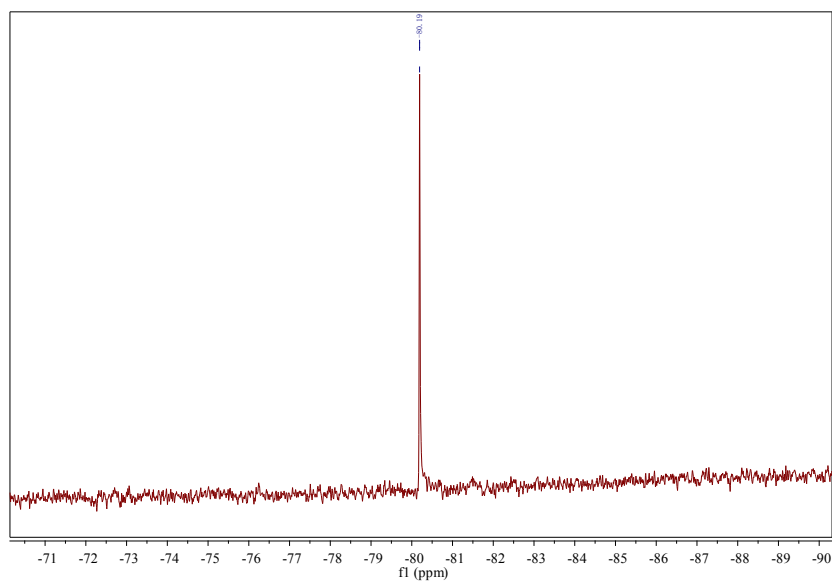


Figure S9. ^{29}Si NMR spectra of octavinyl POSS.