

Electronic Supplementary Information (ESI)

Tailoring accessibility and amphiphilicity in MWW zeolites for the two-phase glycerol ketalization

Diego S. D. Lima^a, Laura L. Silva^a, Iago W. Zapelini^b, Svetlana Mintova^b, Leandro Martins^{a*}

^aUniversidade Estadual Paulista - Unesp, Institute of Chemistry, R. Prof. Francisco Degni, 55, 14800-900, Araraquara-SP, Brazil.

^bNormandie Université, ENSICAEN, UNICAEN, CNRS, Laboratoire Catalyse et Spectrochimie (LCS), 6 Bd Maréchal Juin, 14000, Caen, France.

*leandro.martins@unesp.br

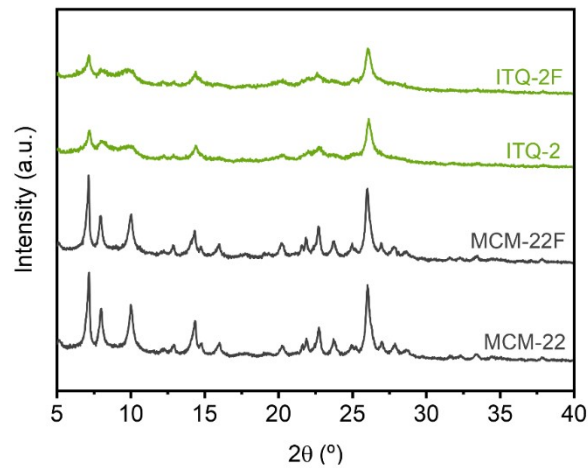


Figure S1. X-ray patterns of MWW samples before and after functionalization

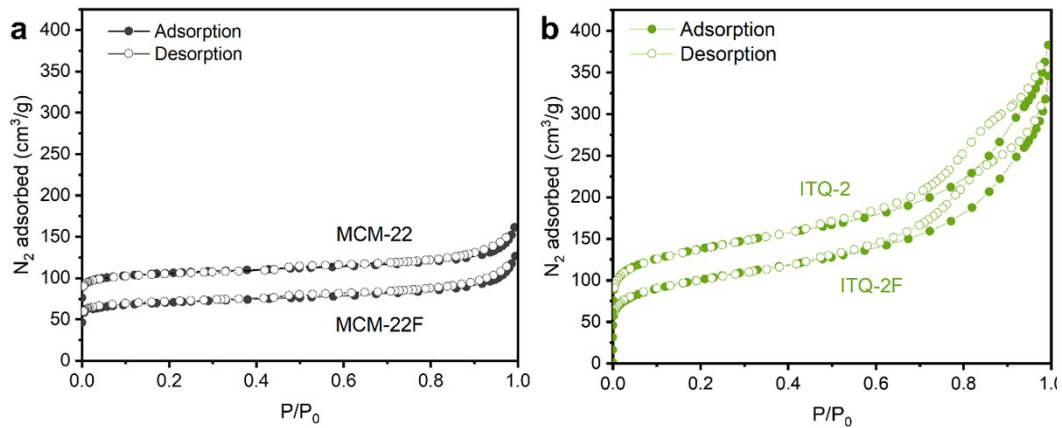


Figure S2. N₂ physisorption isotherms (a) MCM-22 structure, and (b) ITQ-2 structure.

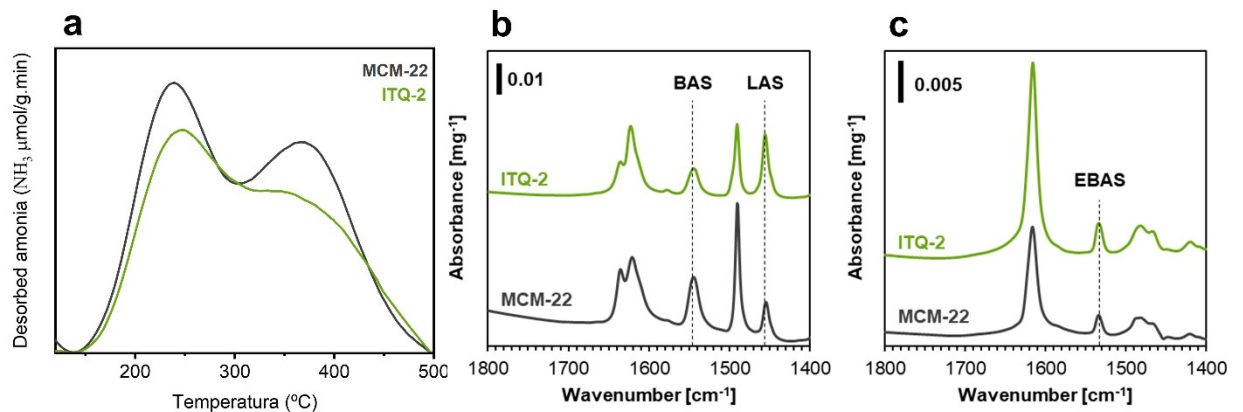


Figure S3. Acidity analyses (a) NH₃-TPD, (b) FTIR-Py and (c) FTIR-DTBPpy.