

## ELECTRONIC SUPPLEMENTARY INFORMATION

### Novel reaction of glycerol direct amination over heteropolyacid-based catalysts

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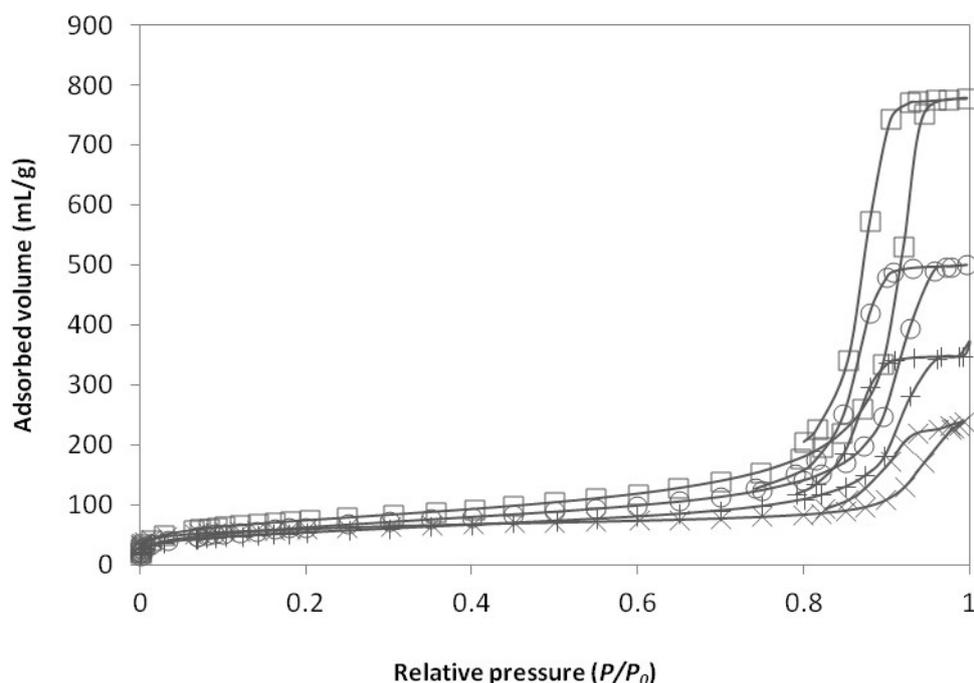


Figure S1: N<sub>2</sub> adsorption-desorption isotherms of bare silica (□), 30CsPMo (○), 50CsPMo (+) and 70CsPMo (×).

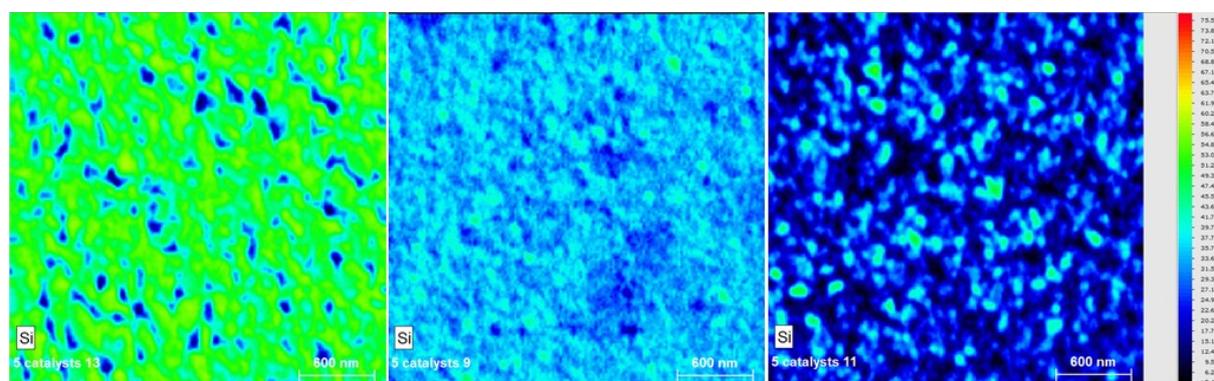


Figure S2: Atomic mapping of Si by XRF for 30CsPMo (left), 50CsPMo (middle) and 70CsPMo (right).

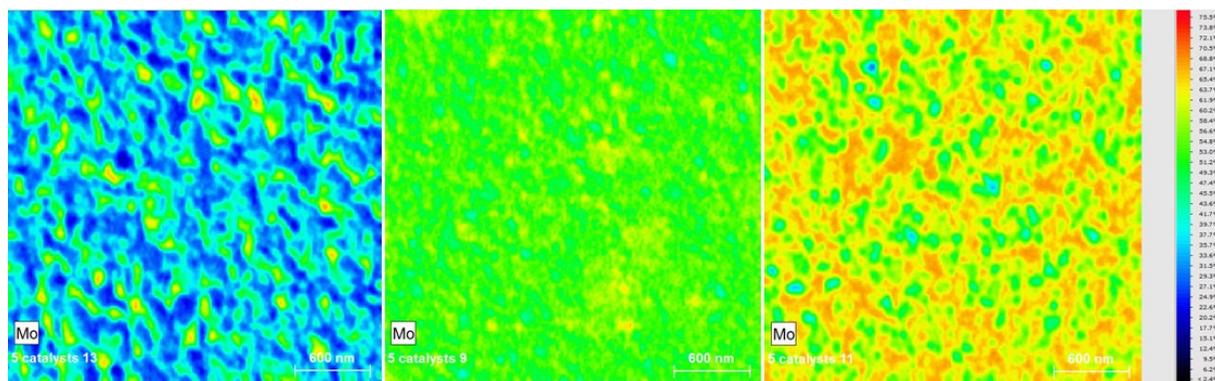


Figure S3: Atomic mapping of Mo by XRF for 30CsPMo (left), 50CsPMo (middle) and 70CsPMo (right).

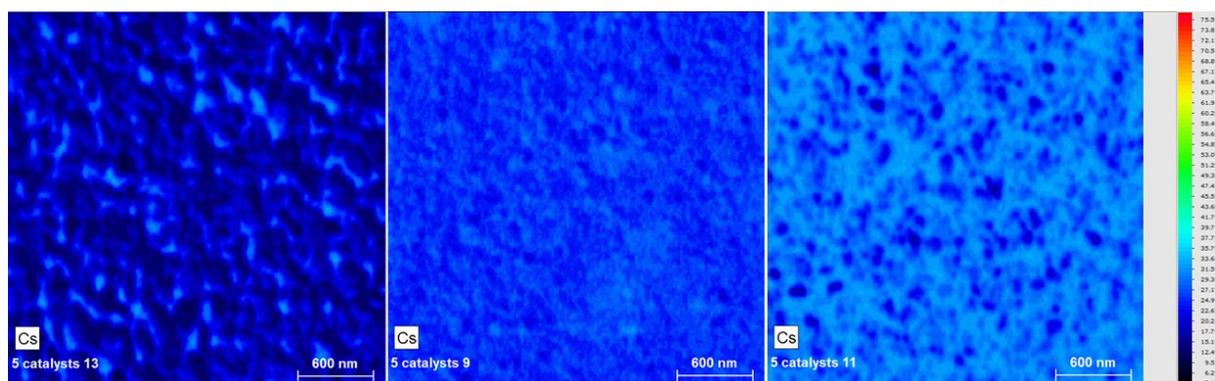


Figure S4: Atomic mapping of Si by XRF for 30CsPMo (left), 50CsPMo (middle) and 70CsPMo (right).