

Monolayer CoMoS Catalysts on Hierarchically Porous Alumina Spheres as Bifunctional Nanomaterials for Hydrodesulfurization and Energy Storage Applications

Anabel D. Delgado ¹, Lorena Álvarez-Contreras ^{1,*}, Karen A. Beltrán ¹, Noé Arjona ², Minerva Guerra-Balcázar ³, José Béjar ¹ and Alfredo Aguilar-Elguezabal ¹

¹ Centro de Investigación en Materiales Avanzados S.C. (CIMAV), Miguel de Cervantes No. 120, Complejo Industrial Chihuahua, Chihuahua C.P. 31136, Mexico

² Centro de Investigación y Desarrollo Tecnológico en Electroquímica S.C., Pedro Escobedo, Querétaro C.P. 76703, Mexico

³ Facultad de Ingeniería, División de Investigación y Posgrado, Universidad Autónoma de Querétaro, Querétaro C.P. 76010, Mexico

* Correspondence: lorena.alvarez@cimav.edu.mx

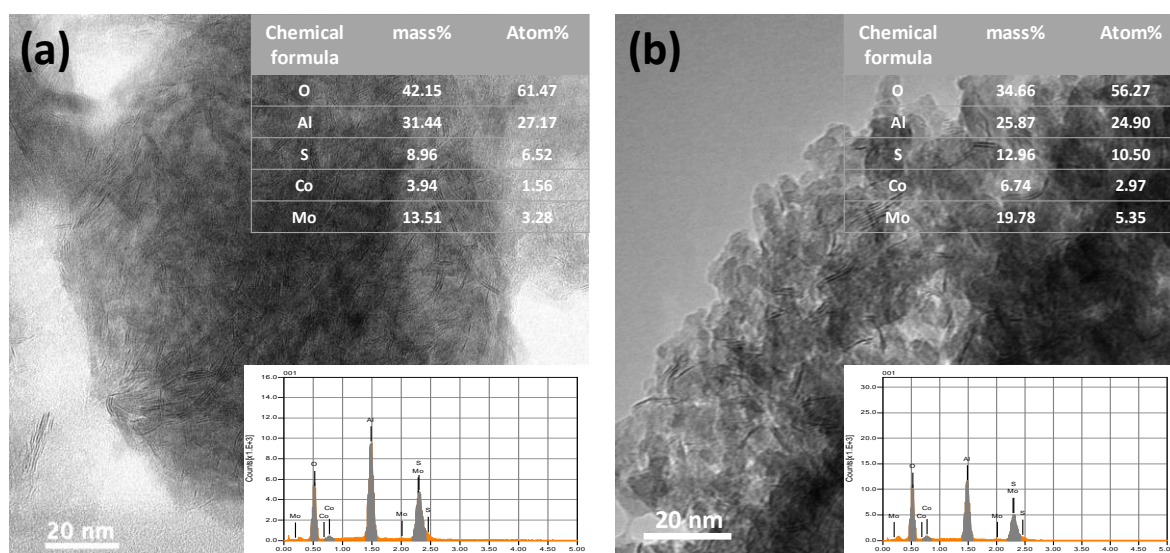


Figure S1. TEM images of the (a) CoMoS/US, (b) CoMoS/PS and EDS analysis of the catalysts (inset).

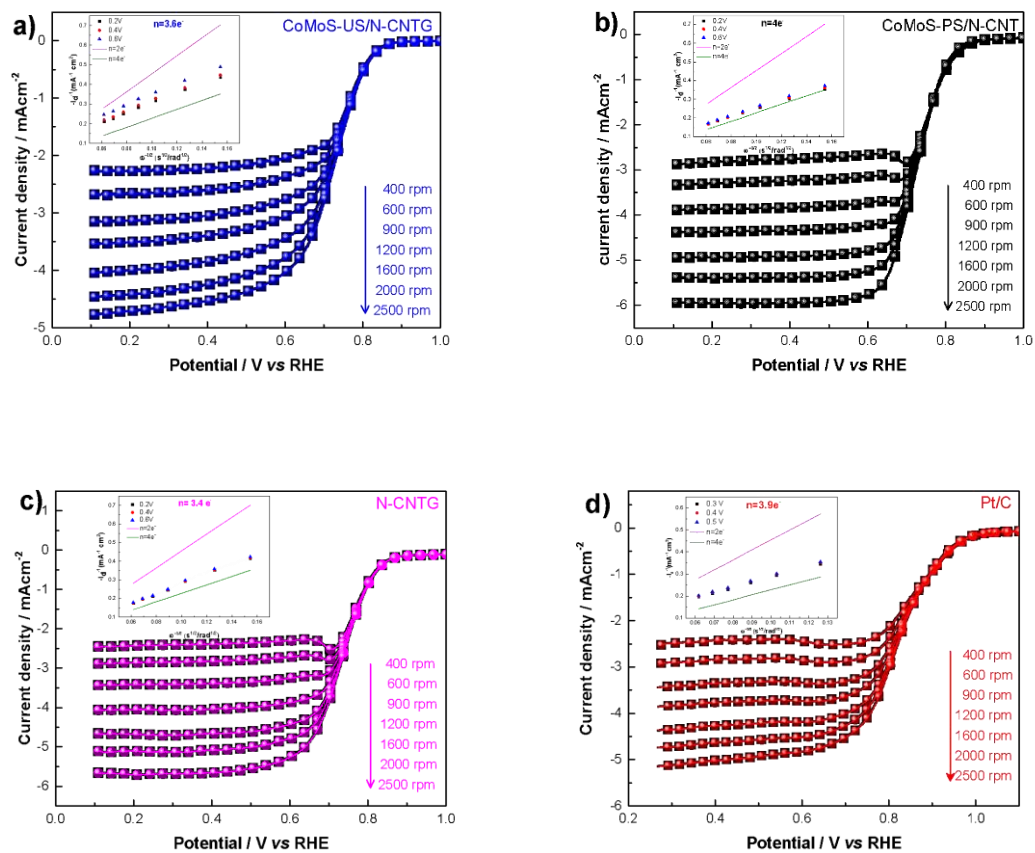


Figure S2. Linear scan voltammeteries and K-L plots (insets) of (a) CoMoS-US/N-CNTG, (b) CoMoS-PS/N-CNTG, (c) N-CNTG and (d) Benchmarked Pt/C.