


SUPPLEMENTARY MATERIAL

Characterization of silicon-aluminum-zirconium oxide obtained by the sol-gel process

Cristiano Nunes da Silva^a, José Márcio Siqueira Júnior^b, Amanda Garcez Veiga^a, Germildo Juvenal Muchave^c, Donato Alexandre Gomes Aranda^c, Júlio Carlos Afonso^a and Emerson Schwingel Ribeiro^{a,*}, 

^aInstituto de Química, Universidade Federal do Rio de Janeiro, 21941-909 Rio de Janeiro – RJ, Brasil

^bInstituto de Química, Universidade Federal Fluminense, 24020-150 Niterói – RJ, Brasil

^cEscola de Química, Universidade Federal do Rio de Janeiro, 21941-909 Rio de Janeiro – RJ, Brasil

*e-mail: emersonsr@iq.ufrj.br

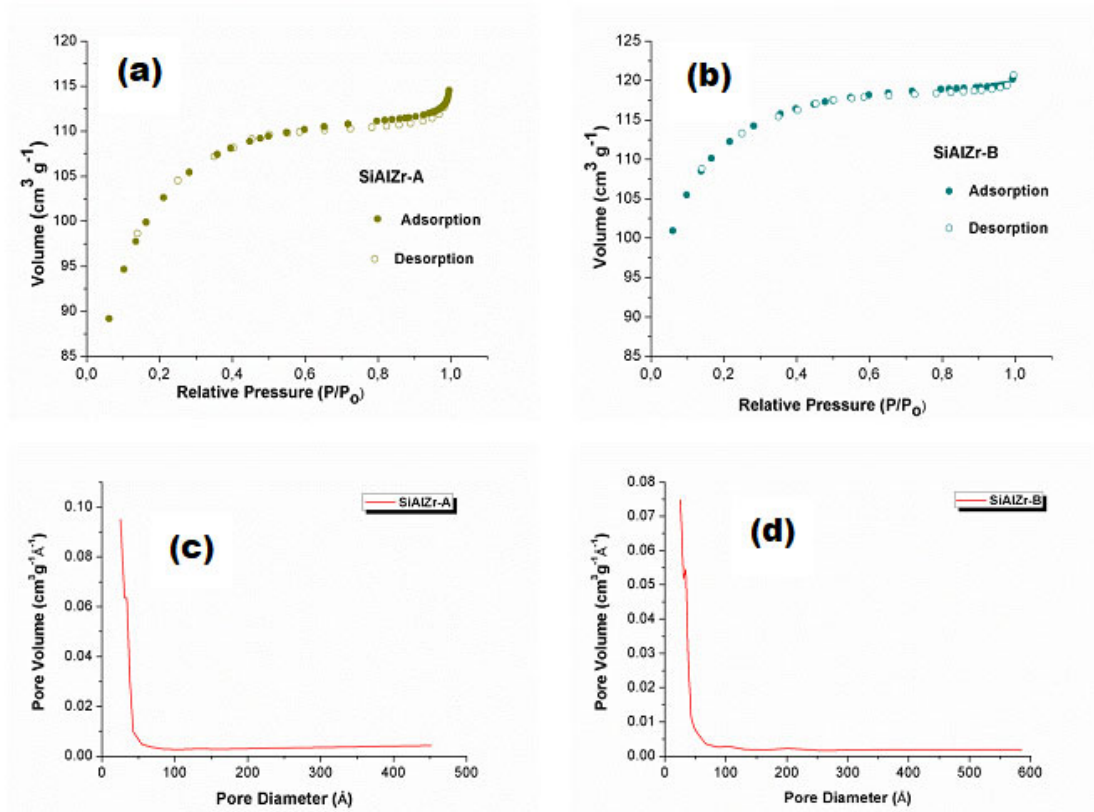


Figure 1S. Nitrogen adsorption-desorption isotherm (above) and BJH pore volume distribution plot (below) of SiAlZr-A (a and c) and SiAlZr-B (b and d) ternary oxides

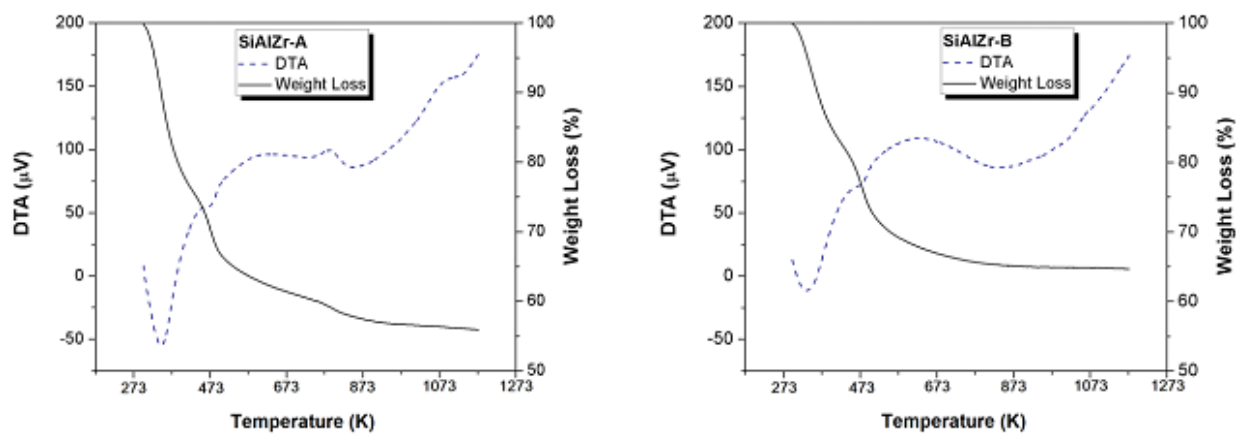


Figure 2S. Thermogravimetric analysis of SiAlZr-A and SiAlZr-B ternary oxides: DTA data (dashed lines) and relative weight loss (full lines)

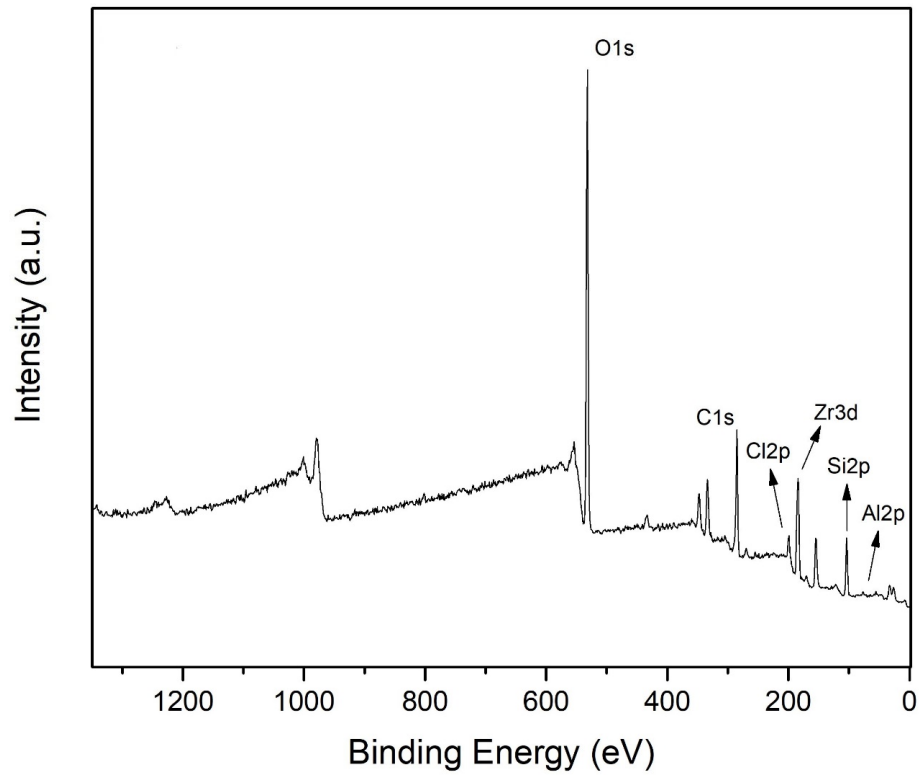


Figure 3S. Typical XPS survey spectra for SiAlZr ternary oxides