Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Supplementary Information

Ormosil-ZrO_2 hybrid nanocomposites and coatings on aluminium alloy for corrosion resistance; A sol-gel approach

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Fig. S1

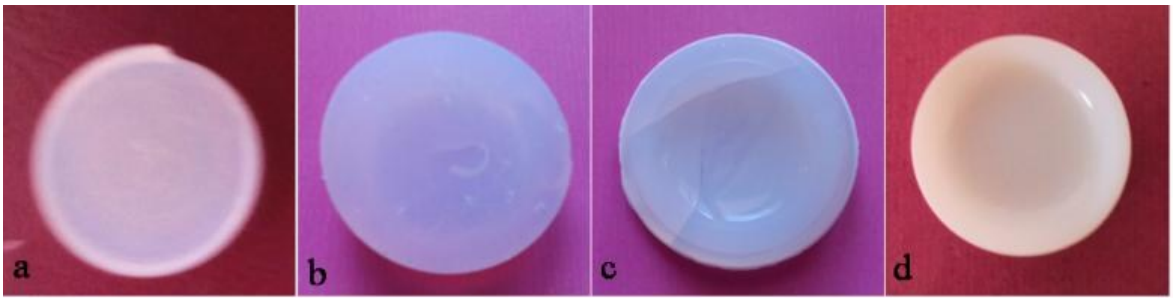

Fig. S1. Photographs of the prepared ORMOSIL-ZrO_2 hybrid nanocomposite aerogels (a) HNC-Zr-0 (b) HNC-Zr-0.5 (c) HNC-Zr-1 and (d) HNC-Zr-2 monoliths.

Fig. S2

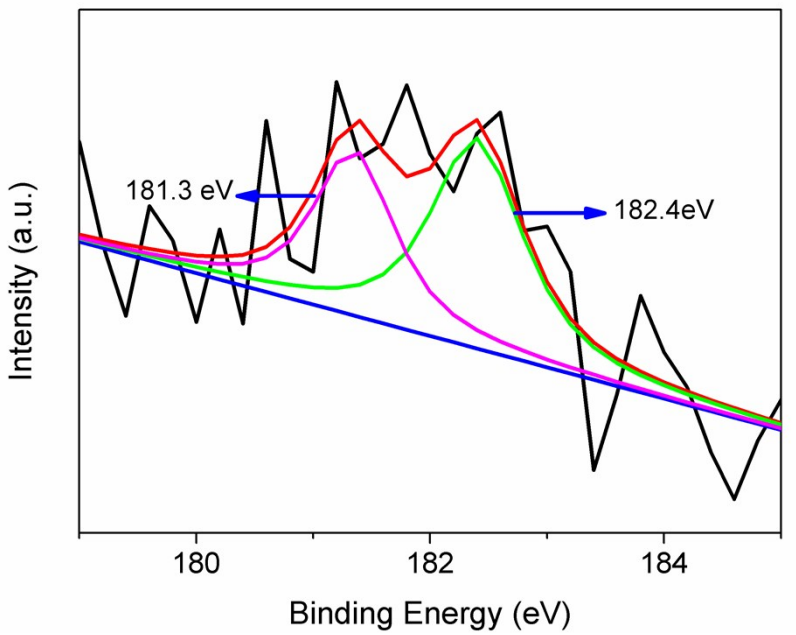

Fig. S2. XPS deconvoluted Zr-3d spectrum of HNC-Zr-0.5 calcined at 400 °C.

Fig. S3

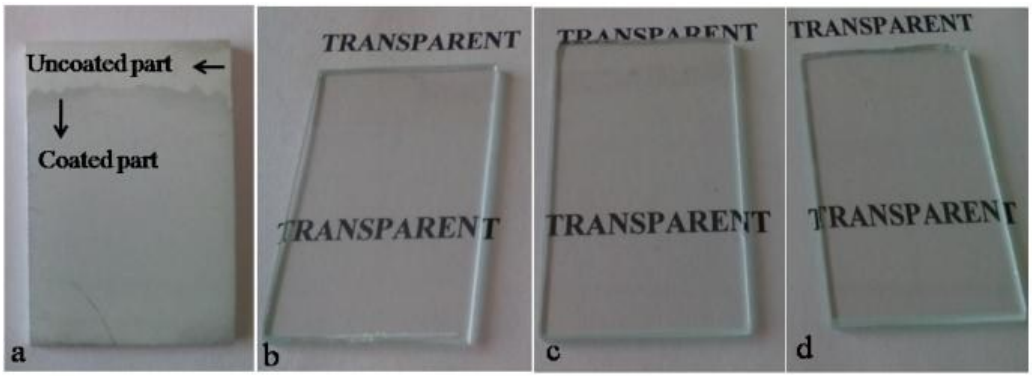

Fig. S3. Photographs of (a) ORMOSIL-ZrO_2 hybrid nanocomposite coated Al alloy (b) HNC-Zr-0.5 (c) HNC-Zr-1 and (d) HNC-Zr-2 coated glass substrates, all annealed at 400 °C.