

Supplementary Material

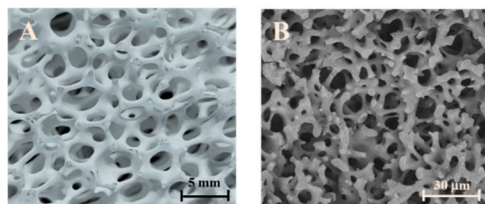


Figure S1. SEM images of ceramic foam (A) and silica micro-foam (B) [own images].

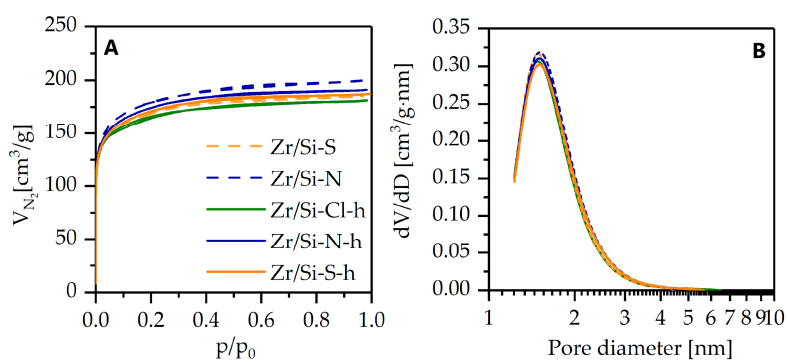


Figure S2. Cumulative pore volume (A) and macropore size distribution (B) of zirconia-silica monoliths.

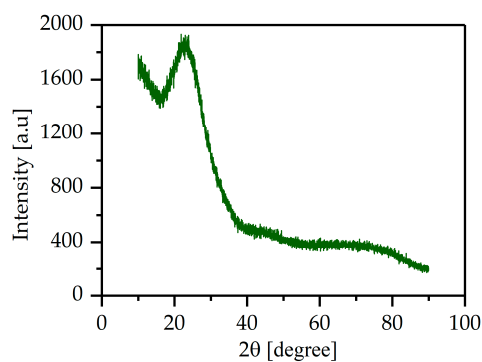


Figure S3. XRD spectrum of Zr/Si-Cl-h sample.

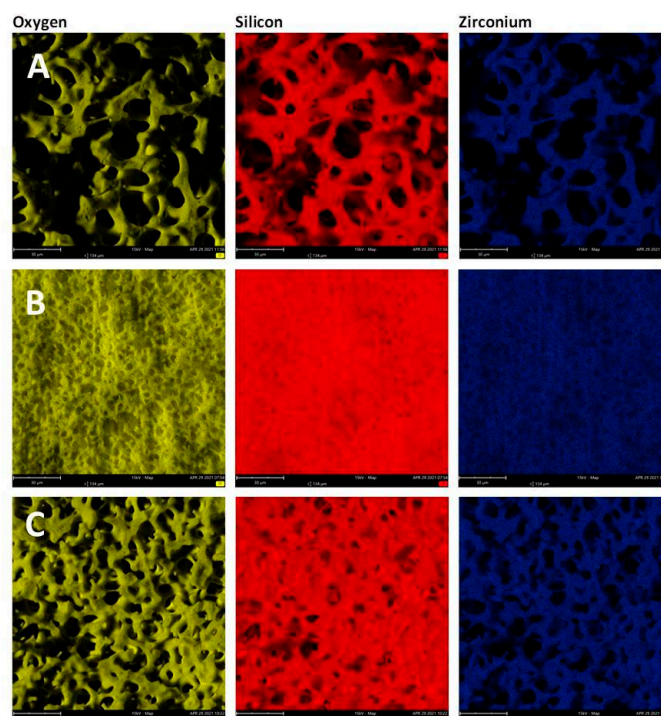


Figure S4. SEM-EDS mapping images of Zr/Si-Cl-h (A); Zr/Si-N (B) and Zr/Si-S (C) samples.

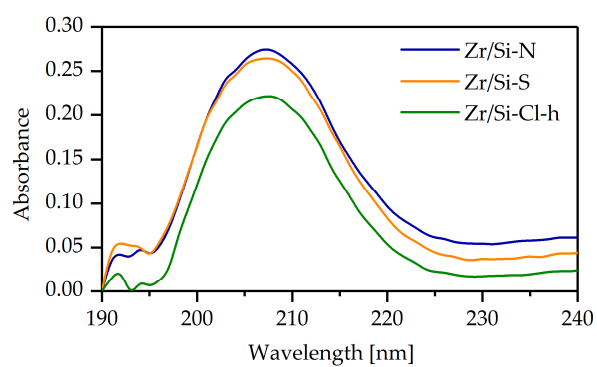


Figure S5. UV-Vis spectra of SiO₂-ZrO₂ monoliths.