

Supplementary Information

Reactive Adsorption of Mustard Gas Surrogate on Zirconium (Hydr)Oxide/Graphite Oxide Composites: The Role of Surface and Chemical Features

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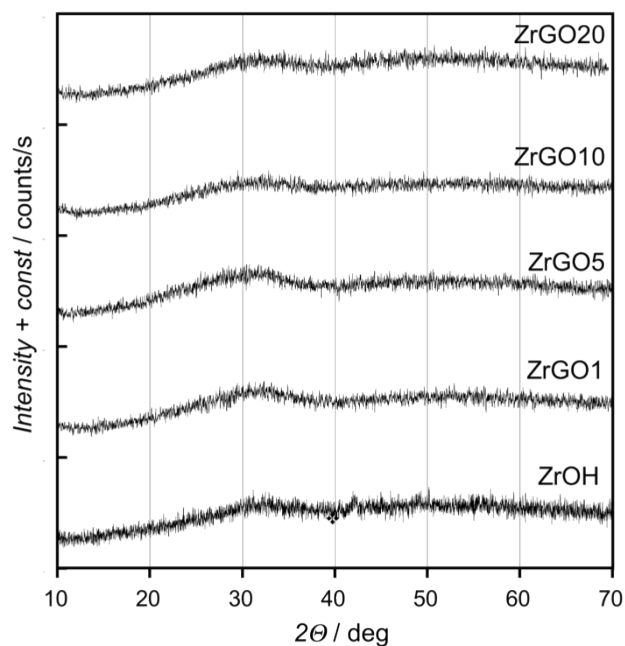


Fig. S1. X-ray diffraction patterns for the initial samples.

Table S1. Parameters of porous structure calculated from the nitrogen adsorption isotherms for the initial samples.

Sample	S_{BET} (m^2/g)	V_{T} (cm^3/g)	$V_{\text{mic}}^{\text{DFT}}$ (cm^3/g)	$V_{\text{meso}}^{\text{DFT}}$ (cm^3/g)	$V_{\text{mic}}/V_{\text{T}}$
ZrOH	208	0.124	0.058	0.066	0.47
ZrGO 1%	217	0.129	0.060	0.069	0.46
ZrGO 5%	269	0.189	0.068	0.121	0.36
ZrGO 10%	246	0.167	0.063	0.104	0.38
ZrGO 20%	243	0.157	0.060	0.097	0.38

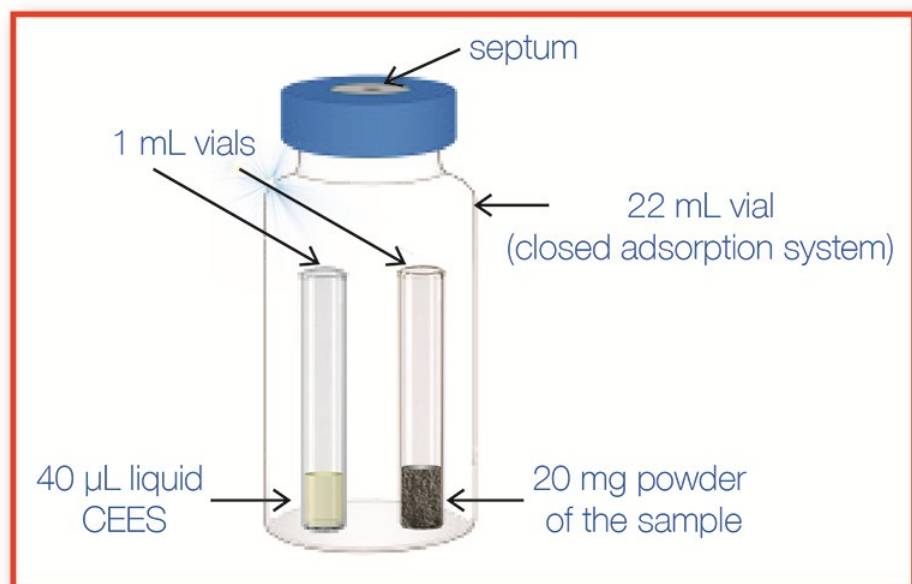


Fig. S2. The adsorption system.