

Electronic supplementary information for

Desulfurization of diesel *via* joint adsorption and extraction using a porous liquid derived from ZIF-8 and a phosphonium-type ionic liquid

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Fig. S1. The photograph of the porous liquid with 2 wt.% content of ZIF-8 in [THTDP][BTI].

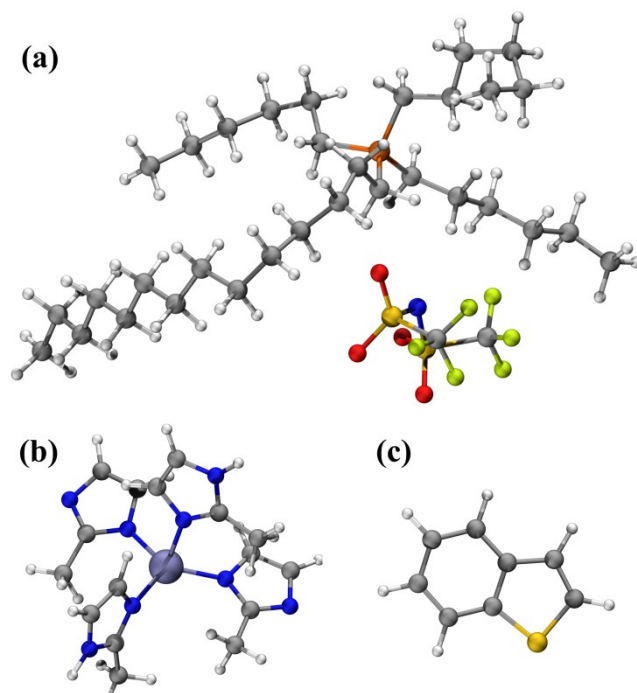


Fig. S2. Configurations of (a) [THTDP][BTI], (b) Zn(im)₄ and (c) BT. Carbon atoms are displayed in grey, hydrogen in grayish white, phosphorus in orange, nitrogen in blue, sulfur in yellow, oxygen in red, fluorine in green, and zinc in grey blue.

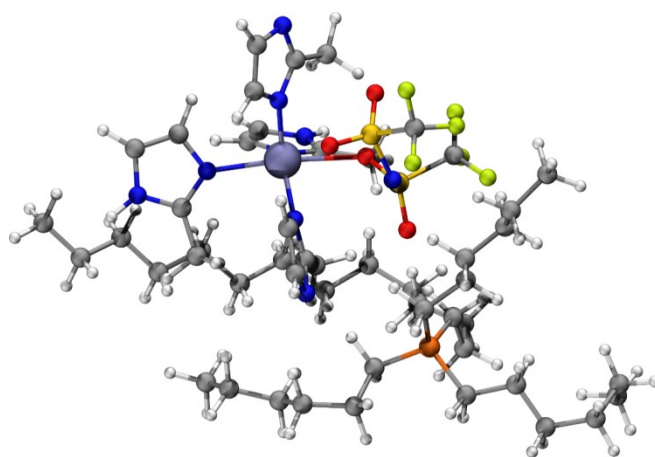


Fig. S3. Optimized configurations of ZIF-8/[THTDP][BTI].

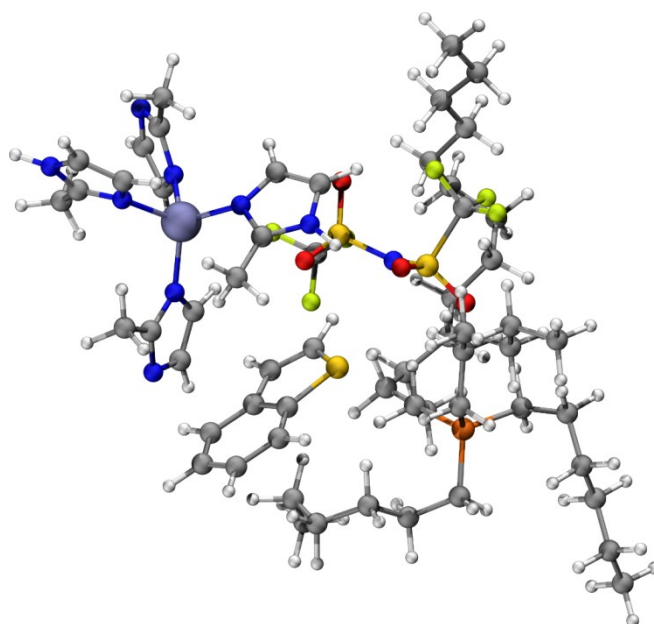


Fig. S4. Optimized configurations of ZIF-8/[THTDP][BTI]⋯BT.