

Dual resistance to alkali metals and SO₂: vanadium and cerium supported on sulfated zirconia as an efficient catalyst for NH₃-SCR

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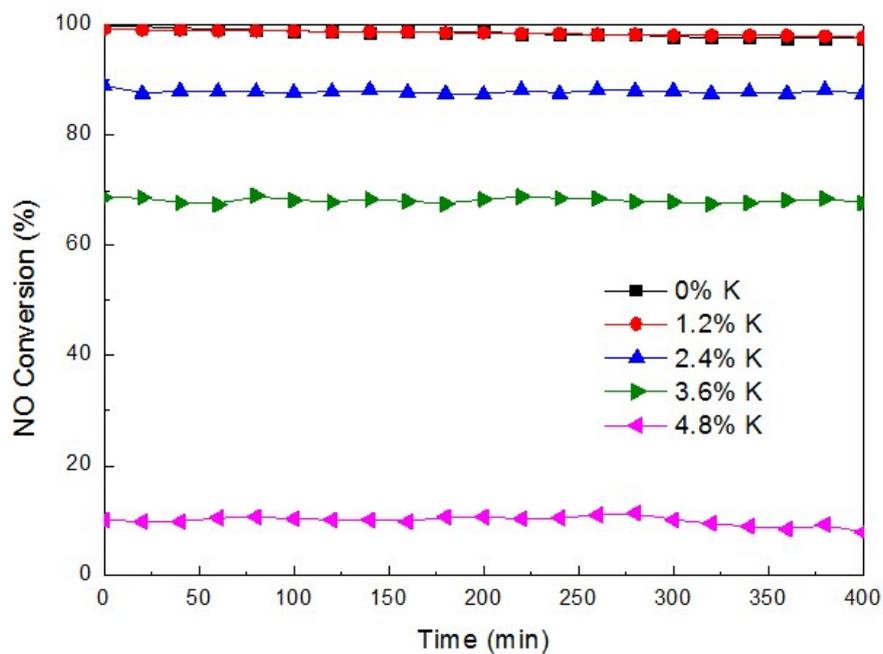


Fig. S1. The effect of SO₂ on NO conversion for CeVSZ catalysts with increasing K amounts.

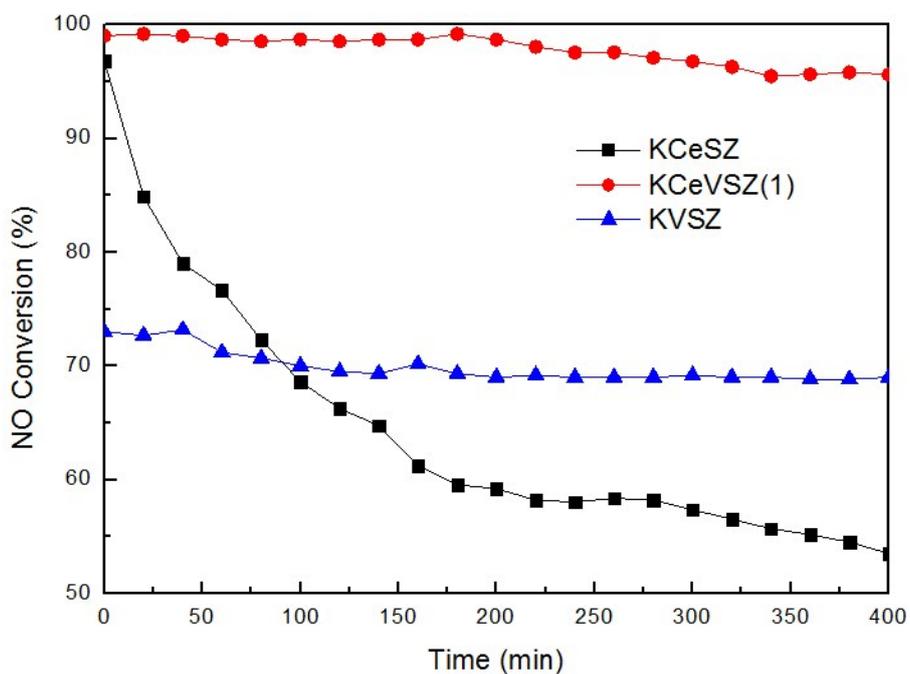


Fig. S2. NO conversion for catalysts in the presence of K, SO₂, and H₂O at 350 °C.

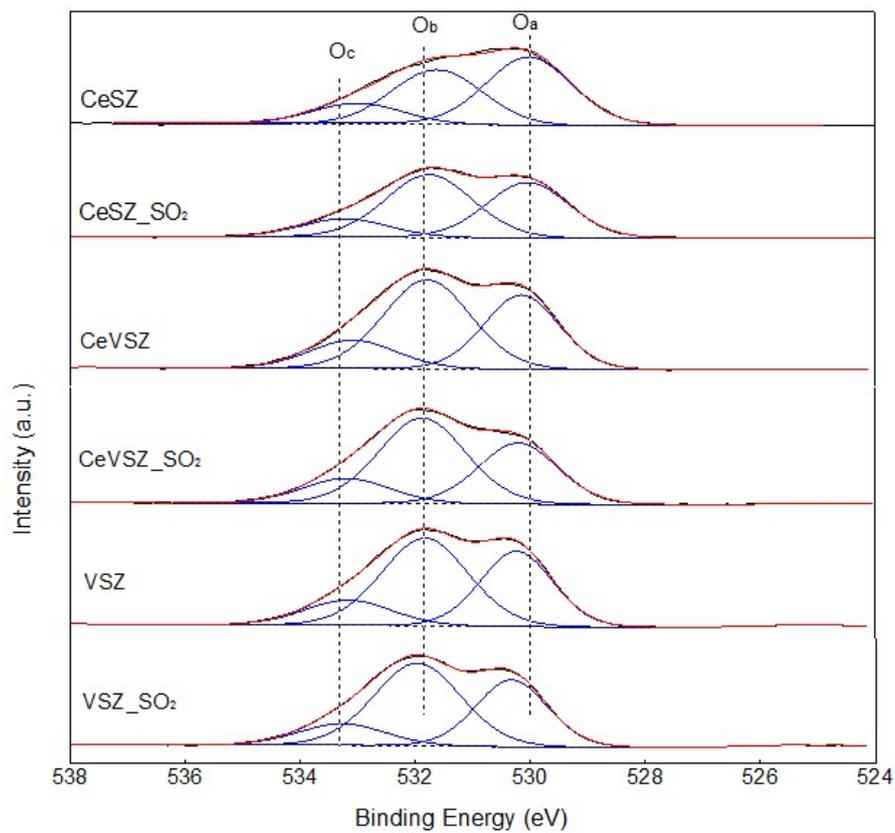


Fig. S3. XPS spectra of O 1s.

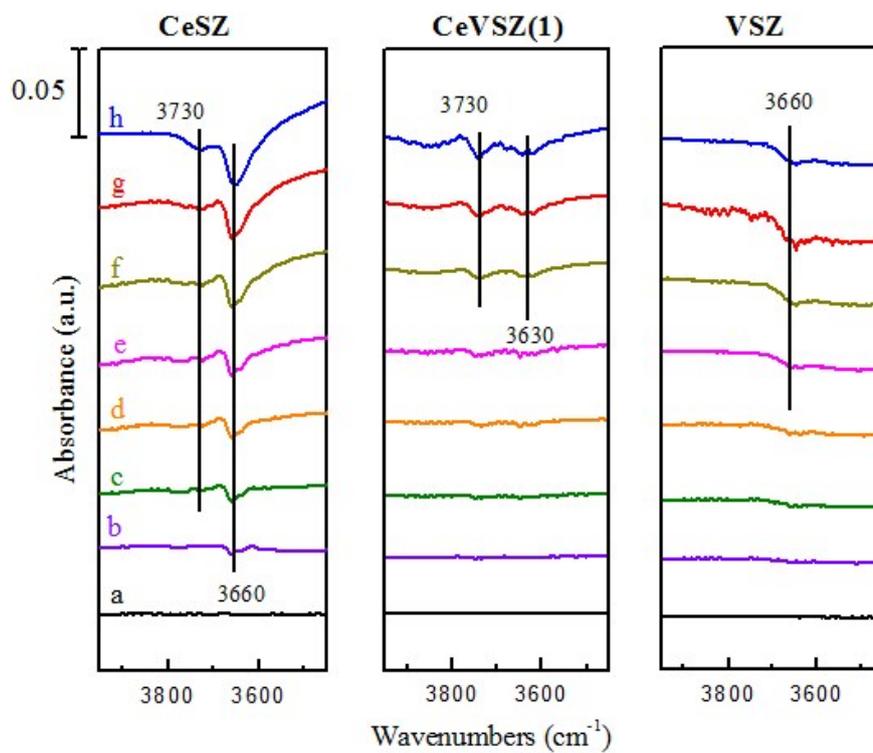


Fig. S4. DRIFT spectra of catalyst exposed to 600 ppm SO₂/He + 3% O₂/He at 350 °C for (a) 0

min, (b) 1 min, (c) 3 min, (d) 5 min, (e) 10 min, (f) 20 min, (g) 30 min, and (h) He perging for 30 min

(at high wavenumbers).