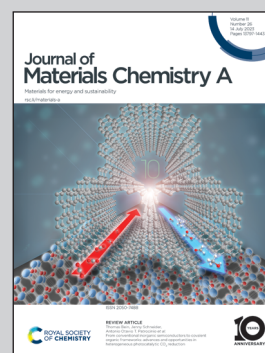


Highlighting research on OV-CoO/CeO₂ composite used for detoxication and sulfate purification of flue gas desulfurization wastewater from Professor Runlong Hao's laboratory, Department of Environmental Science and Engineering, North China Electric Power University, Baoding, China.

Oxygen-vacancy enhanced CoO/CeO₂ heterojunction for synchronous regulation of sulfur resourcing and selenium adsorption separation from flue gas desulfurization wastewater

A bifunctional material OV-CoO/CeO₂ can be used for detoxication and sulfate purification of flue gas desulfurization wastewater. The catalytic oxidation rate of SO₃²⁻ (0.1735 mmol L⁻¹ s⁻¹) is 13 times that of the uncatalyzed reaction, and the Se adsorption capacity is over 120 mg g⁻¹.

As featured in:



See Runlong Hao *et al.*,
J. Mater. Chem. A, 2023, **11**, 13932.