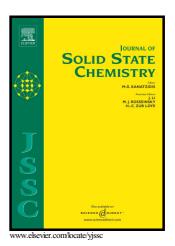
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 WO_{3-x} based composite material with chitosan derived nitrogen doped mesoporous carbon as matrix for oxygen vacancy induced organic pollutants catalytic reduction and IR driven H_2 production

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WO_{3-x} based composite material with chitosan derived nitrogen doped mesoporous carbon as matrix for oxygen vacancy induced organic pollutants catalytic reduction and IR driven H₂ production

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Abstract

A nitrogen doped mesoporous carbon matrix supported tungsten oxide composite material, $WO_{3-x}@NC_{1}$ (1 > x > 0), was fabricated successfully with chitosan and polyoxometalates as precursors through calcination. In this composite material, tungsten oxide particles with the size about 5 to 8 nm disperse evenly in the

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