

Supporting Information

for

**Impact of Covalent Functionalization on the Aqueous Processability, Catalytic Activity
and Biocompatibility of Chemically Exfoliated MoS₂ Nanosheets**

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Contents

S1. Evidence for the limited colloidal stability of as-prepared aqueous dispersions of ce-MoS₂

S2. Survey XPS spectra of ce-MoS₂ treated with iodomethanesulfonic and iodoacetic acid

S1. Evidence for the limited colloidal stability of as-prepared aqueous dispersions of ce-MoS₂

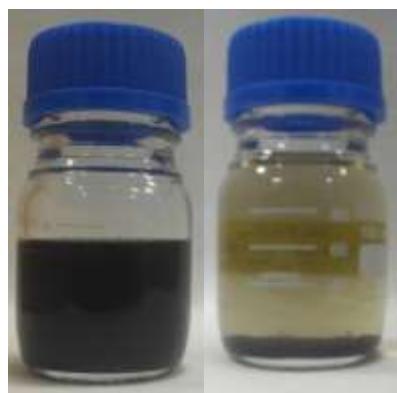


Figure S1. Digital photographs of an aqueous dispersion of ce-MoS₂ at a concentration of ~0.8 mg mL⁻¹ just prepared (left) and 3 weeks after its preparation (right).

S2. Survey XPS spectra of ce-MoS₂ treated with iodomethanesulfonic and iodoacetic acid

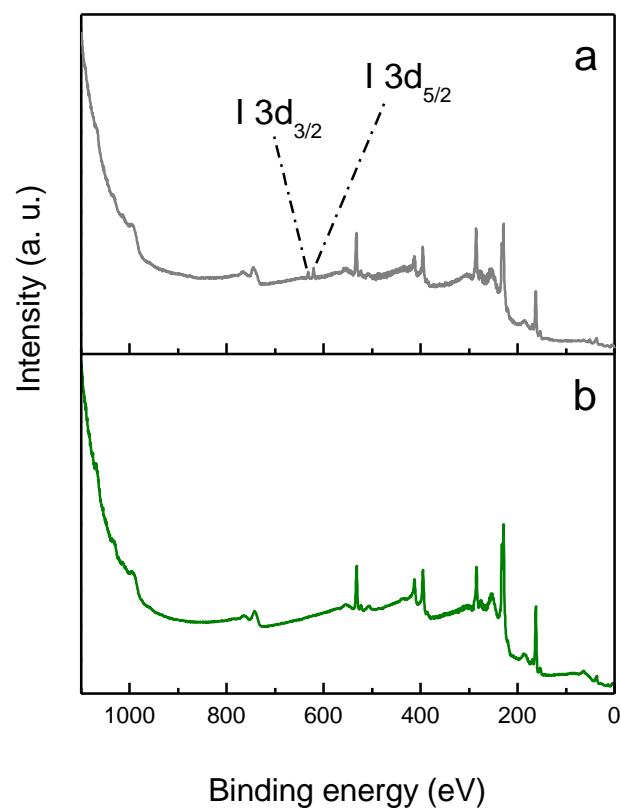


Figure S2. XPS survey spectra of ce-MoS₂ treated with (a) iodomethanesulfonic acid and with (b) iodoacetic acid.