Electronic Supplementary Material (ESI) for New Journal of Chemistry.

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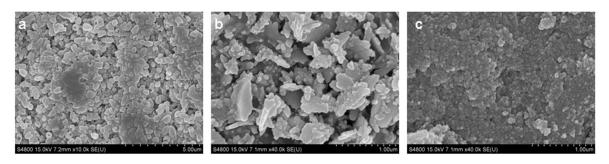


Fig. S1. FESEM images of ZnO samples prepared without the addition of ethanolamine: Zn²⁺/NaOH 1:2 (a), Zn²⁺/NaOH 1:8 (b), Zn²⁺/NaOH 1:2 and ethanol as solvent (c).

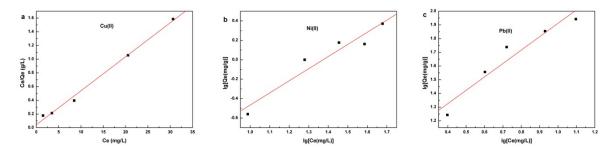


Fig. S2. Adsorption isotherms of commercial ZnO for removal of Cu(II) ions (a), Ni(II) ions (b), Pb(II) ions (c).

Table S1. Adsorption capacity of commercial ZnO for the adsorption of divalent heavy metals.

Sorbent	Sorbate		
	Cu ²⁺	Ni ²⁺	Pb ²⁺
	$Q_{m} (mg/g)$	K_F (mg/g)	$K_F (mg/g)$
commercial ZnO	20.0	0.02	8.6