Figure S1. The thermodynamic speciation of Ni(II) ions in Ni(II) system as a function of pH.

Figure S2. The thermodynamic speciation of metal ions in Ni(II)-Cr(III)-Fe(III) system as a function of pH.
Figure S3. The thermodynamic speciation of metal ions in Ni(II)-Cu(II)-Sr(II)-Zn(II) system as a function of pH.

Figure S4. The thermodynamic speciation of metal ions in Ni(II)-Zn(II)-Mo(VI)-Cu(II) system as a function of pH.
Figure S5. $\ln K_d$ versus $1/T$. 