Electronic Supplementary Material (ESI) for Inorganic Chemistry Frontiers.

Supporting information

Stellerite seeded facile synthesis of zeolite heulandite with exceptional aqueous Cd^{2+} capture performance

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Characterization of zeolite materials

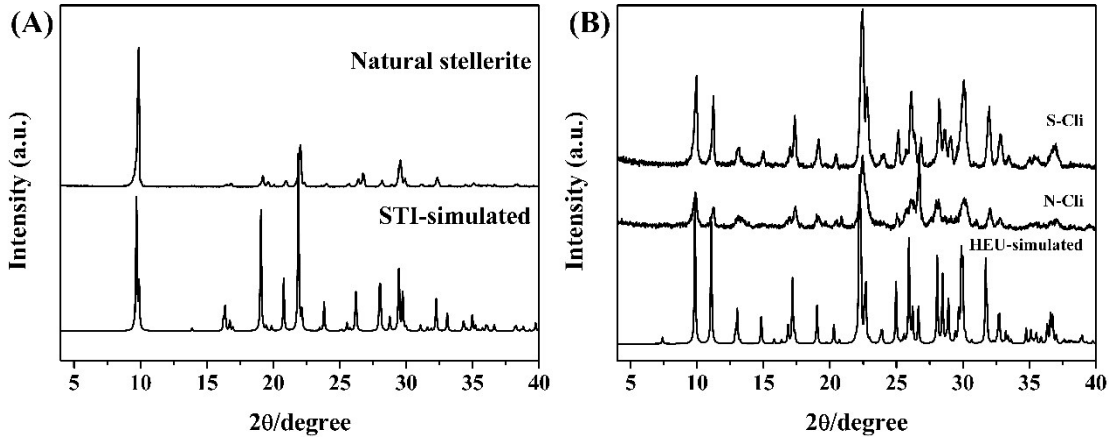

Fig. S1 XRD pattern of (A) natural stellerite, (B) natural clinoptilolite and synthetic clinoptilolite. The simulated patterns are also included

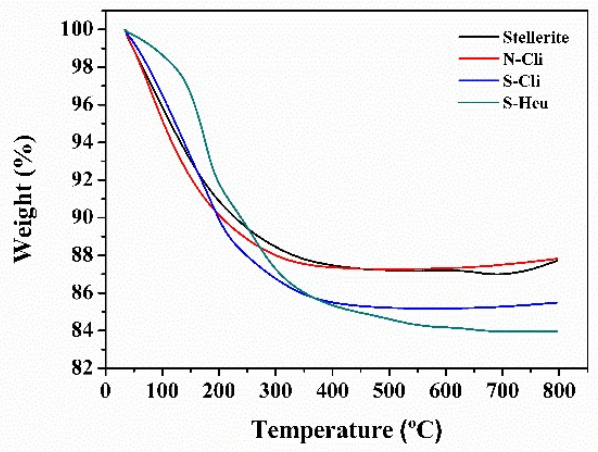

Fig. S2 TG curves of stellerite, N-Cli, S-Cli and S-Heu

Table S1 Elemental analysis of N-Cli, S-Cli, and S-Heu

Components (%)	N-Cli[a]	Stibite[a]	S-Cli[b]	S-Heu[b]
SiO_2	68.1	63.8	63.9	60.9
Al_2O_3	12.3	15.8	11.8	14.0
Na_2O	5.2	0.3	3.4	9.36
K_2O	1.2	0.3	6.6	-
CaO	0.9	10.0	-	-
MgO	0.6	0.2	-	-
H_2O[c]	12.2	12.3	14.5	16.0
Si/Al	4.7	3.4	4.6	3.7

[a] determined by XRF. [b] determined by ICP-OES. [c] determined by TG