

Supplementary information

Enhancing Cs retention in superabsorbent polymers via selective Ca removal by CO₂ bubbling in fly-ash aqueous systems

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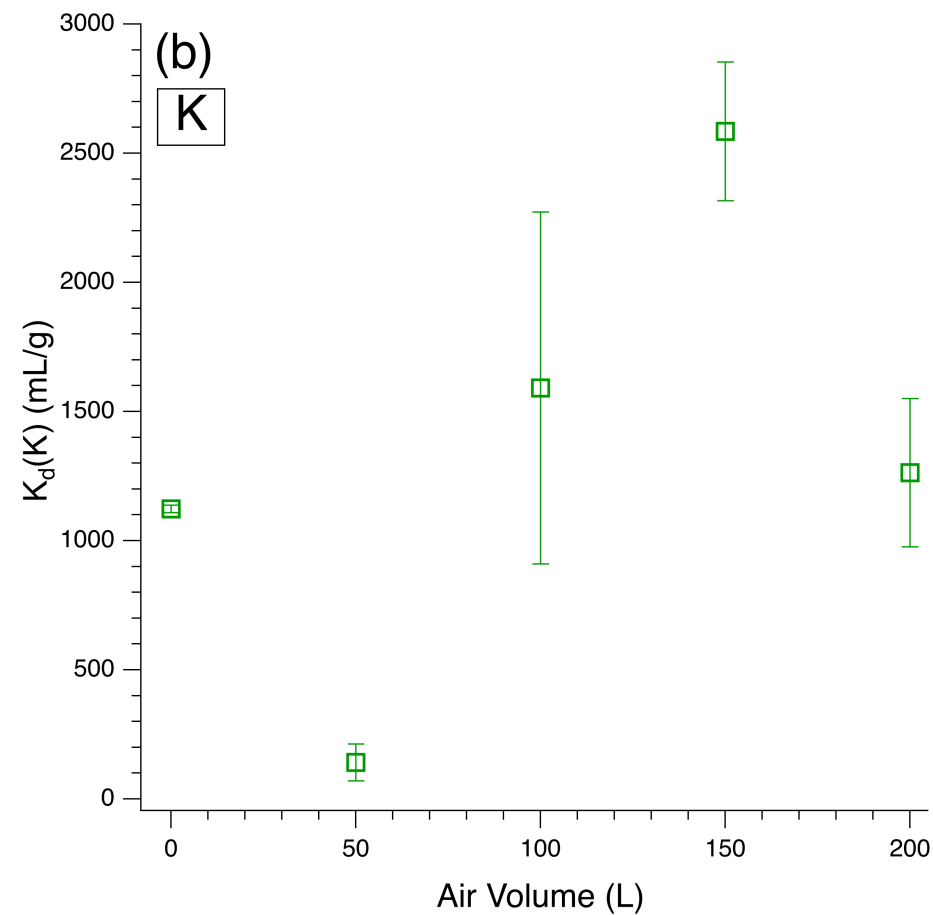
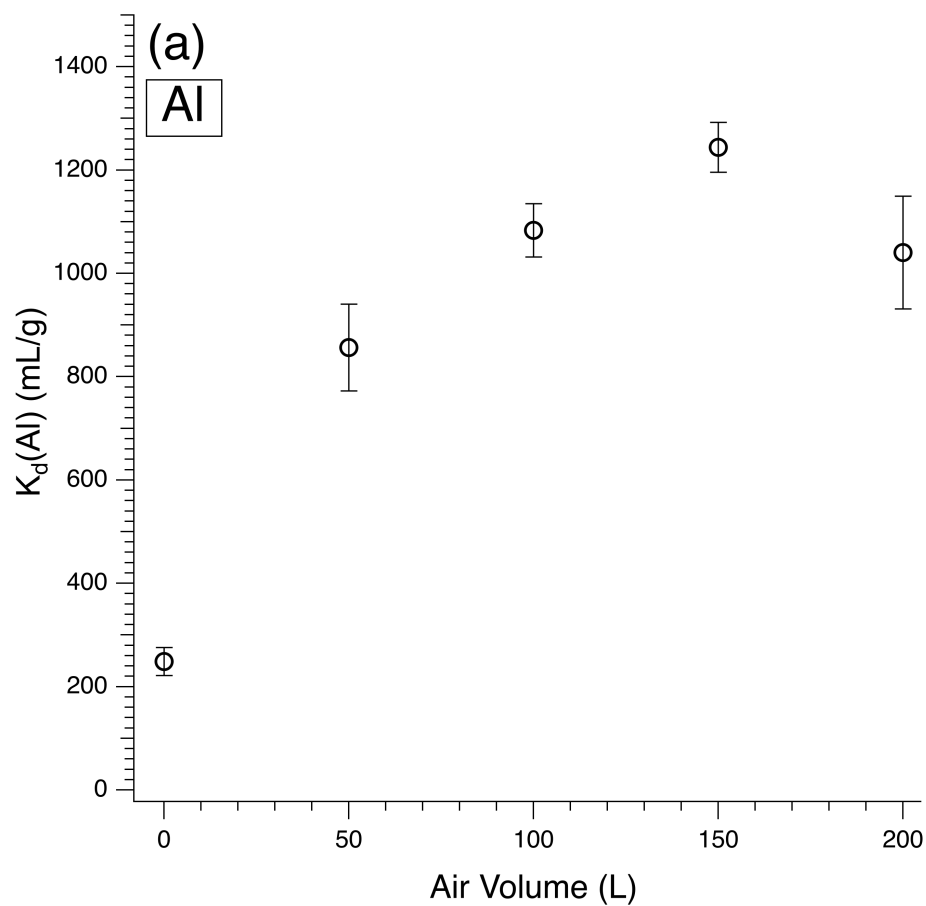
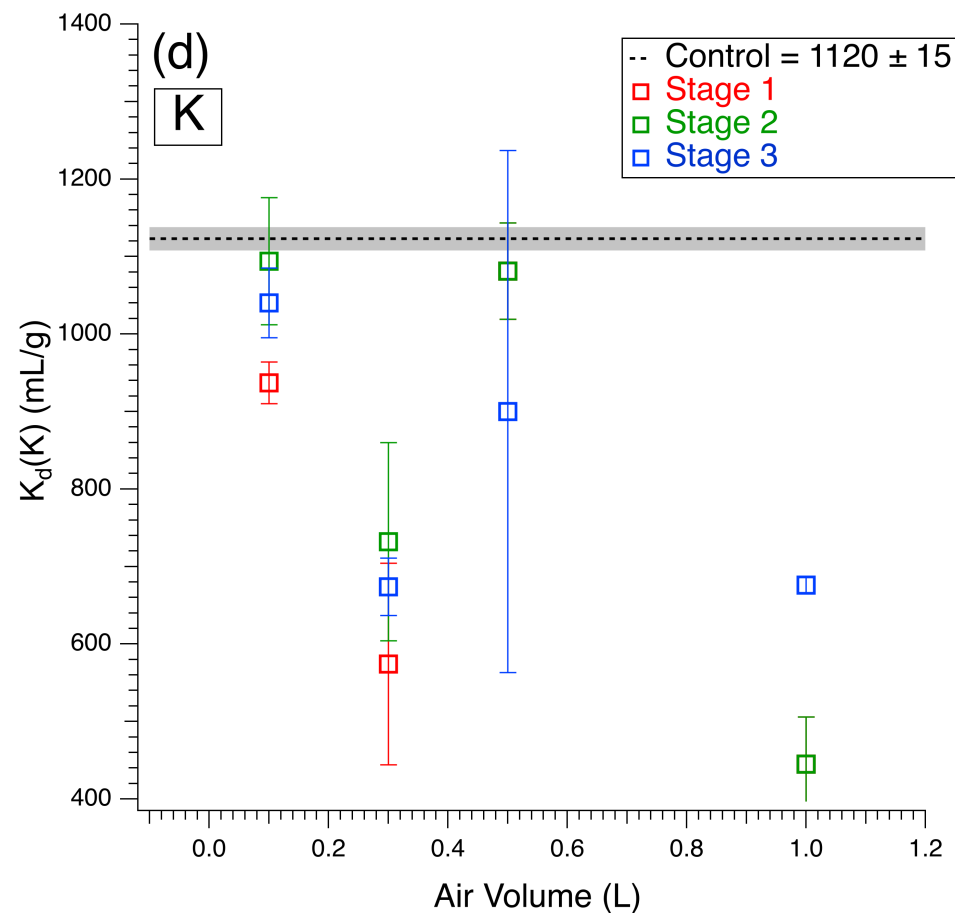
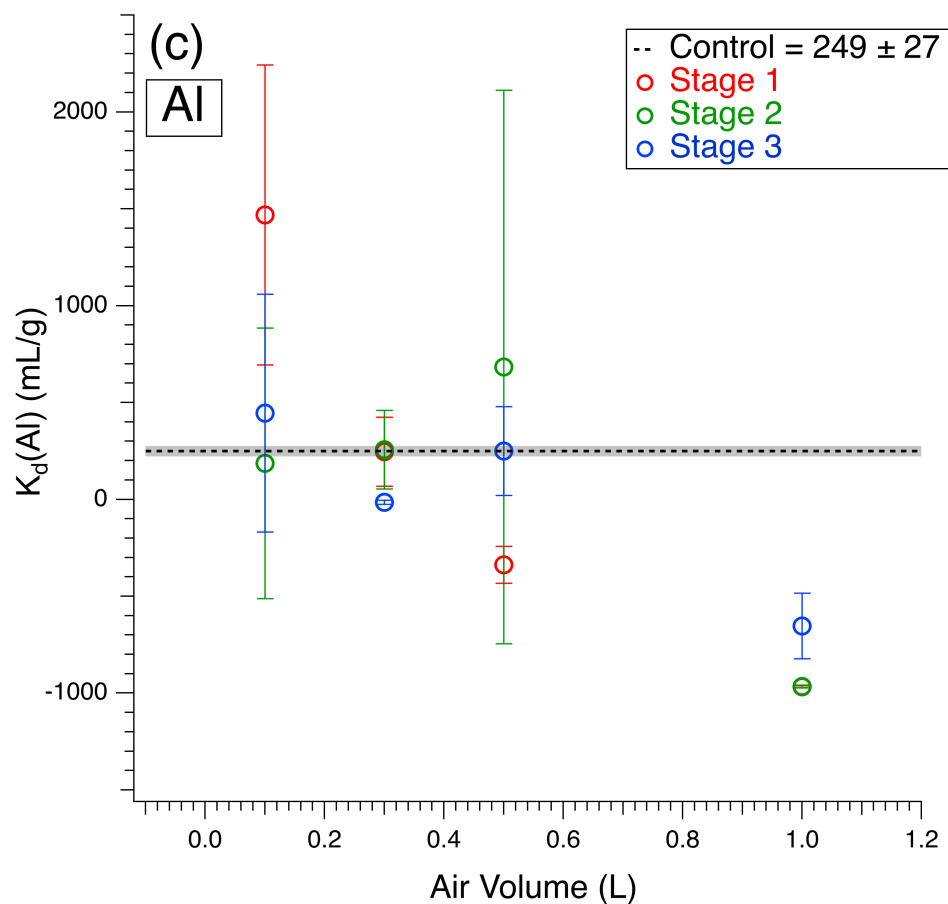


Fig. S1 (a) Variation of the distribution coefficient $K_d(\text{Al})$ as a function of air bubbling volume.
(b) Variation of the distribution coefficient $K_d(\text{K})$ as a function of air bubbling volume.



(c) Variation of the distribution coefficient $K_d(\text{Al})$ as a function of CO_2 bubbling volume.

(d) Variation of the distribution coefficient $K_d(\text{K})$ as a function of CO_2 bubbling volume.

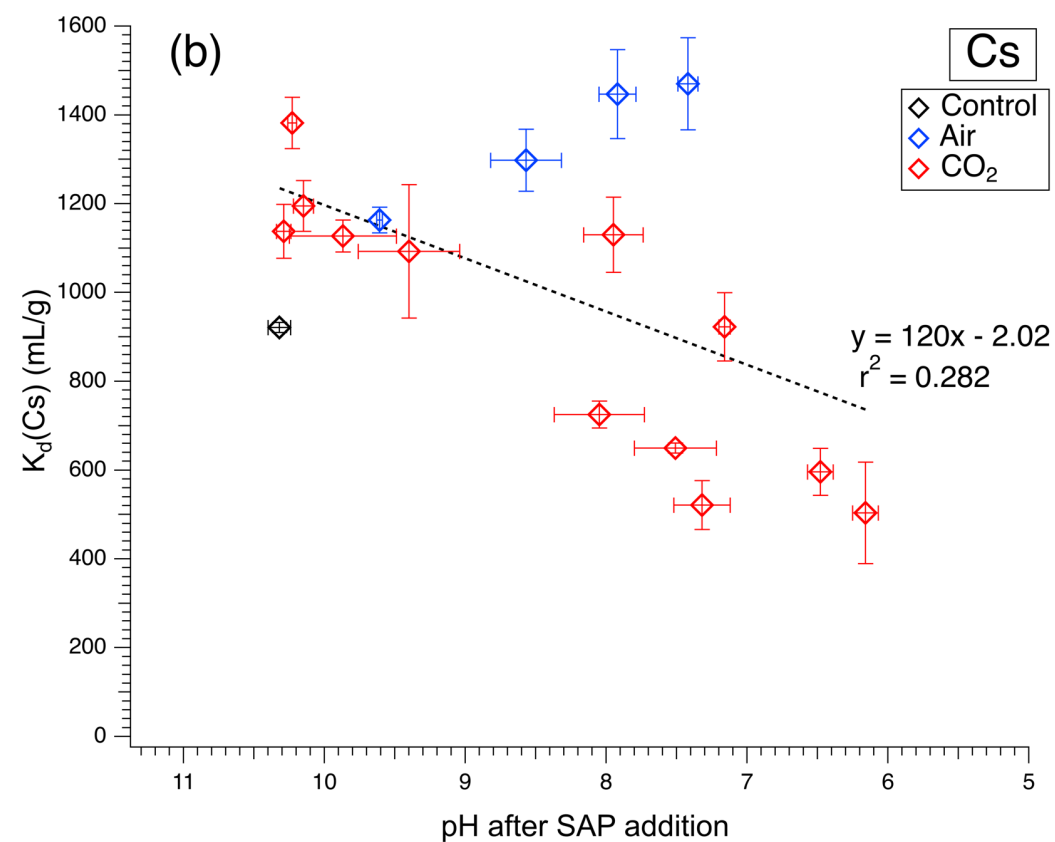
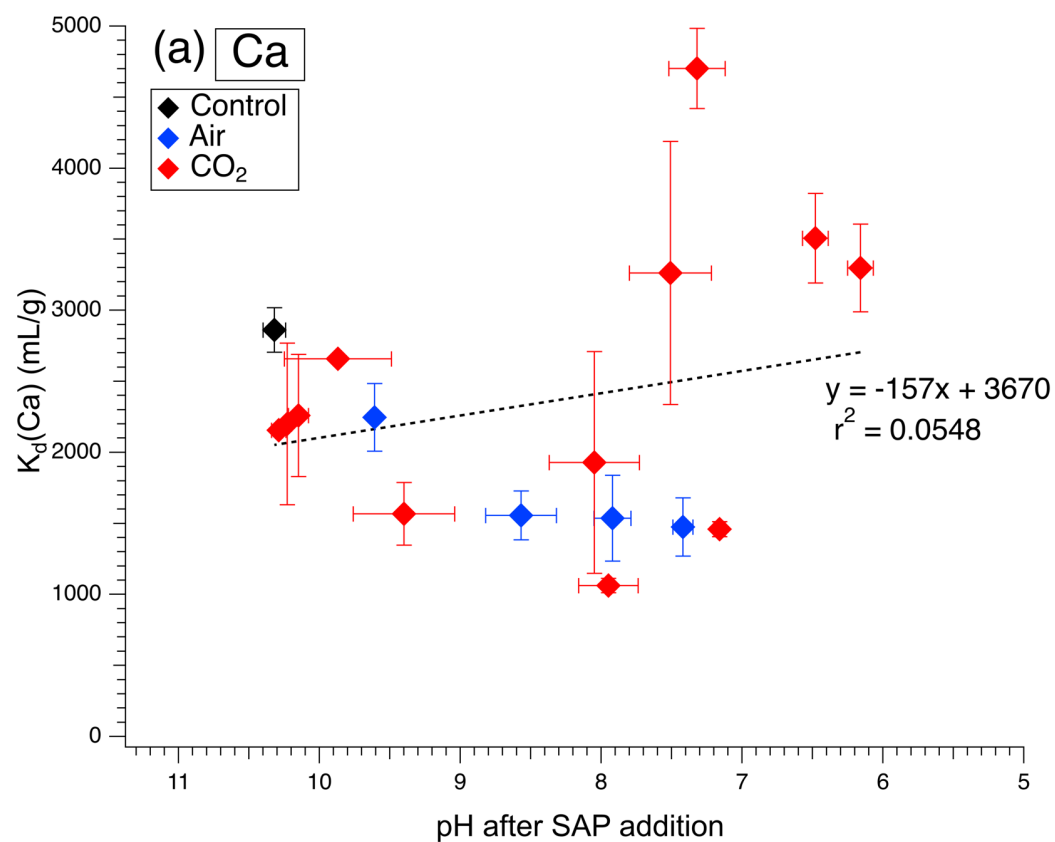


Fig. S2 (a) $K_d(\text{Ca})$ as a function of pH after SAP addition and equilibration.
(b) $K_d(\text{Cs})$ as a function of pH after SAP addition and equilibration.