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Supplementary material

Comparative evaluation of iron leach from different sources of fly ash under atmospherically relevant conditions

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Product ratios on various metal oxide surfaces

In general, iron leached a higher fraction at pH 1 than that at pH 2. Fly ash from the US power plant showed a higher fraction of iron dissolved.

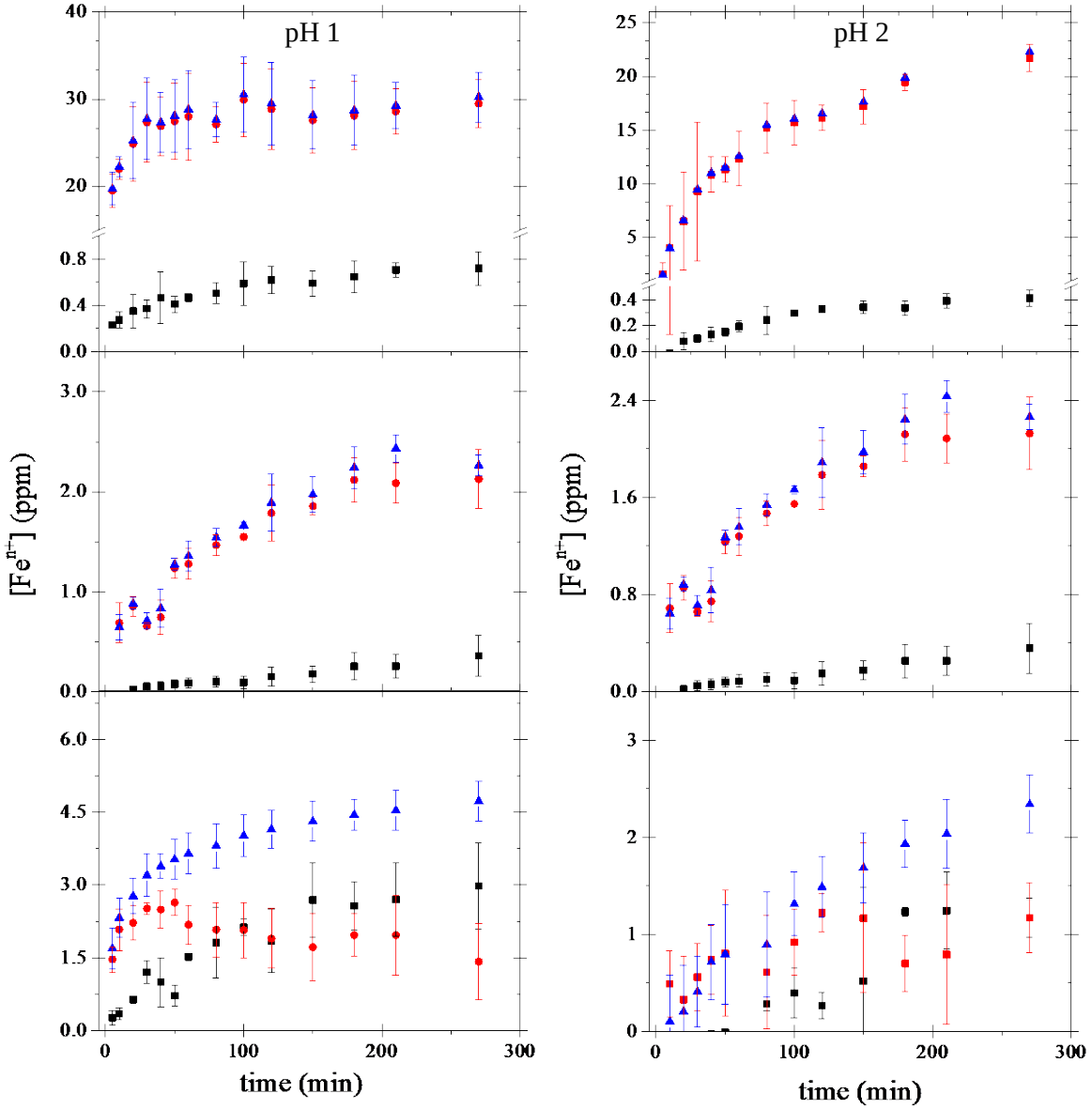

Figure S1. Time dependent iron dissolution of 1.0 g L^{-1} of fly ash samples in acidified 1.0 M NaCl solutions: Left column pH 1, right column pH 2. ■ Fe(II), ● Fe(III), and ▲ total iron. From top to bottom, dissolved iron in USFA, INFA, and EUFA. Error bars represent one standard deviation from triplicate experiments.