Supplementary Information for

Porous Fe0/C ceramsites for removal of aqueous Pb(II) ions: equilibrium, long-term performance and mechanism studies

Pingfeng Fu*, Xiaofeng Lin, Zihao Chen

[a] *School of Civil and Resources Engineering, University of Science and Technology Beijing, Beijing 100083, China.*

Corresponding author (P.F. Fu): E-mail: pffu@ces.ustb.edu.cn

Table S1 Physical and chemical parameters of fabricated Fe^0/C ceramsites

Parameters	Values
Metallic iron content (%)	51.18
Carbon content (%)	6.82
Fe/C mass ratio	7.5:1
Grain density (g cm^{-3})	1.76
Porosity (vol.%)	46.37
Compressive strength (MPa)	53.9

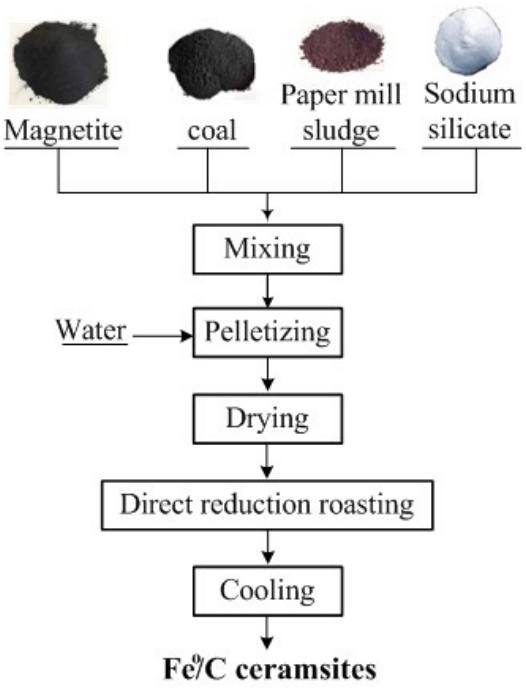

Fig. S1 Fabrication procedure for Fe^0/C ceramsites

Fig. S2 Photograph of fabricated Fe^0/C ceramsites

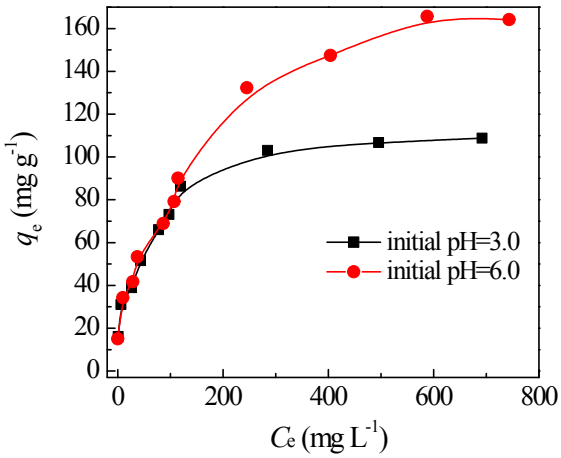

Fig. S3 Variations of adsorption capacity (q_e) with Pb(II) concentration at equilibrium (C_e) by Fe^0/C ceramsite

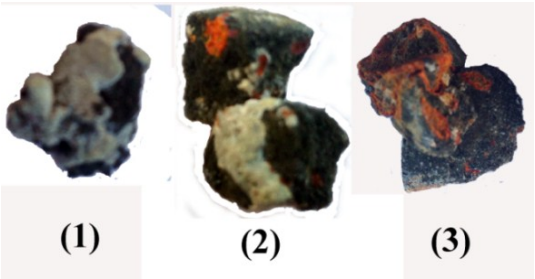

Fig. S4 Photograph of Fe^0/C ceramsites after the Pb(II) removal for 12 days. White coating in particles (1) and (2) is lead oxides, and red coating in particles (2) and (3) is iro hydroxides.