Supplementary Information

Artificial neural network modeling and genetic algorithm optimization for cadmium removal from aqueous solutions by reduced graphene oxide-supported nanoscale zero-valent iron (nZVI/rGO) composites

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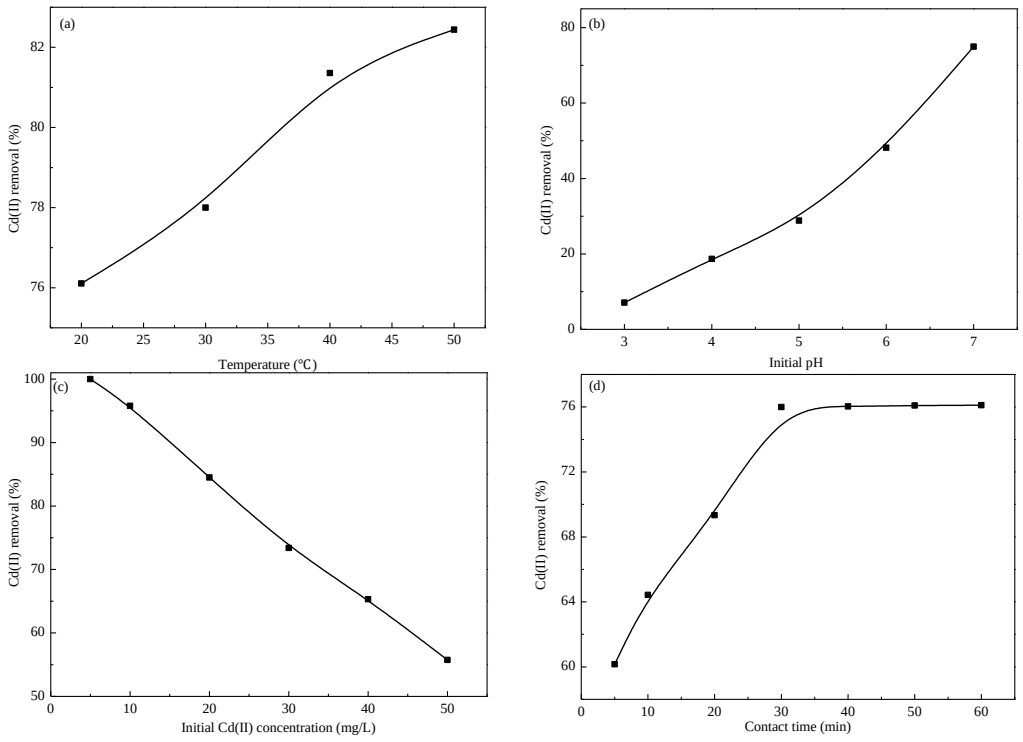

Figure S1. Effect of temperature on Cd(II) removal by nZVI/rGO composites: initial pH = 7.0; nZVI/rGO composites dosage = 30 mg; Cd(II) concentration = 20 mg/L; and time = 1h (a). Effect of initial pH on Cd(II) removal by nZVI/rGO composites: temperature = 20 °C; nZVI/rGO composites dose = 30 mg; Cd(II) concentration = 20 mg/L; and time = 1h (b). Effect of initial Cd(II) concentration removal by nZVI/rGO composites: temperature = 20 °C; initial pH =7.0; nZVI/rGO composites dose = 30 mg; and time = 1h (c). Effect of contact time on Cd(II) removal by nZVI/rGO composites: temperature = 20 °C; initial pH = 7.0; nZVI/rGO composites dose = 30 mg; and Cd(II) concentration = 20 mg/L (d).