Supplementary Information

Adsorption characteristics of graphene oxide nanosheets on cement

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Fig. S1 The FTIR spectra of graphite and GO.

Fig. S2 The microstructure of GO.
Fig. S3 The Langmuir-Freundlich isotherm model for the adsorption of the GO nanosheets on cement.

\[ Q_e = \frac{Q_m \cdot C}{K_f + C} \]

\[ Q_m = 313.183 \text{ mg/g} \]
\[ K_f = 0.041 \]
\[ b = 1.2444 \]
\[ R^2 = 0.960 \]