Cross-linked PS-DVB/Fe3O4 microspheres with quaternary ammonium groups and application in removal of nitrate from water

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ESI-1ǂ: (a) TEM and (b) SEM images of the PFM-3.

ESI-2ǂ: (a) SEM image of PFM-2, (b) SEM image of PFM-3, (c) SEM image of PFM-4
ESI-3#: Schematic of the formation process of PFM.

ESI-4#: Overview of PFM functionalization pathways.