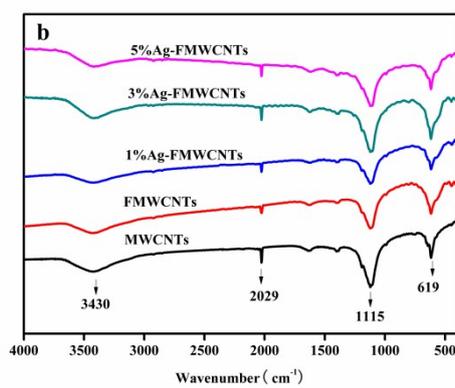


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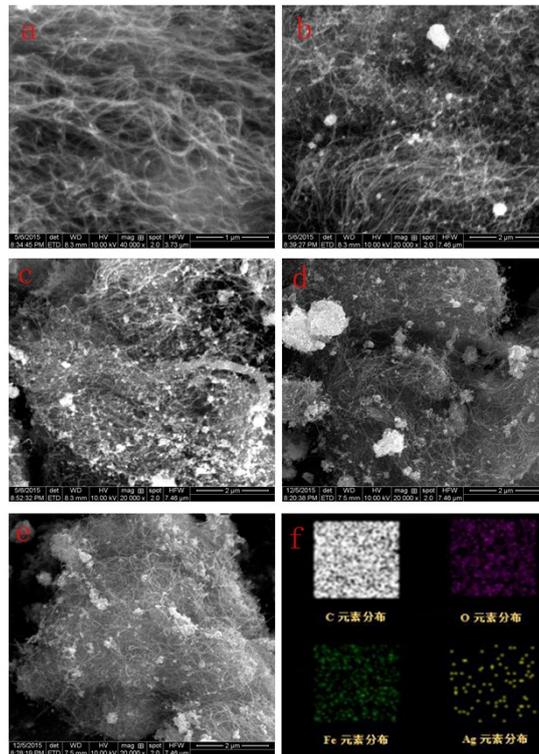


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3 **Fig. S1** FT-IR spectra of MWCNTs and modified MWCNTs composites before (a)

4

and after adsorption (b).



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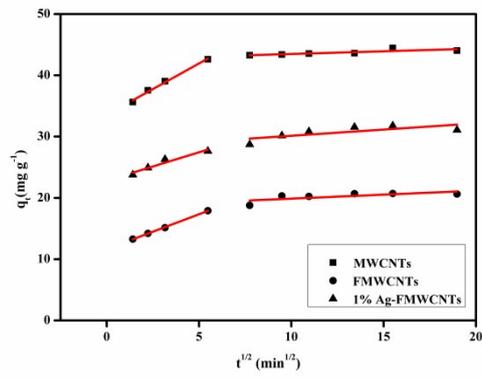
6 **Fig. S2** SEM image of prepared MWCNTs (a), FMWCNTs (b), 1% Ag-FMWCNTs

7 (c), 3% Ag-FMWCNTs (d) and 5% Ag-FMWCNTs (e). EDS image of 5% Ag-

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FMWCNTs (f).

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11 **Fig. S3** Intraparticle diffusion model plots of SMX adsorption on MWCNTs,

12 FMWCNTs and 1% Ag-FMWCNTs.

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