

Supporting information

# Fabrication and Adsorption Behavior of Magnesium Silicate Hydrate Nanoparticles towards Methylene Blue

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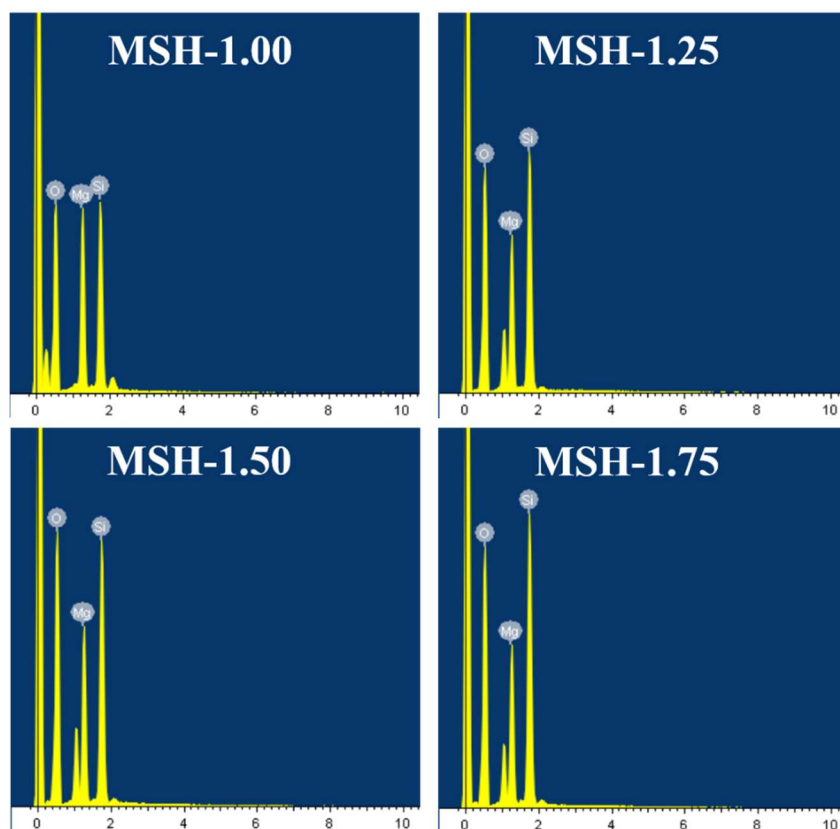
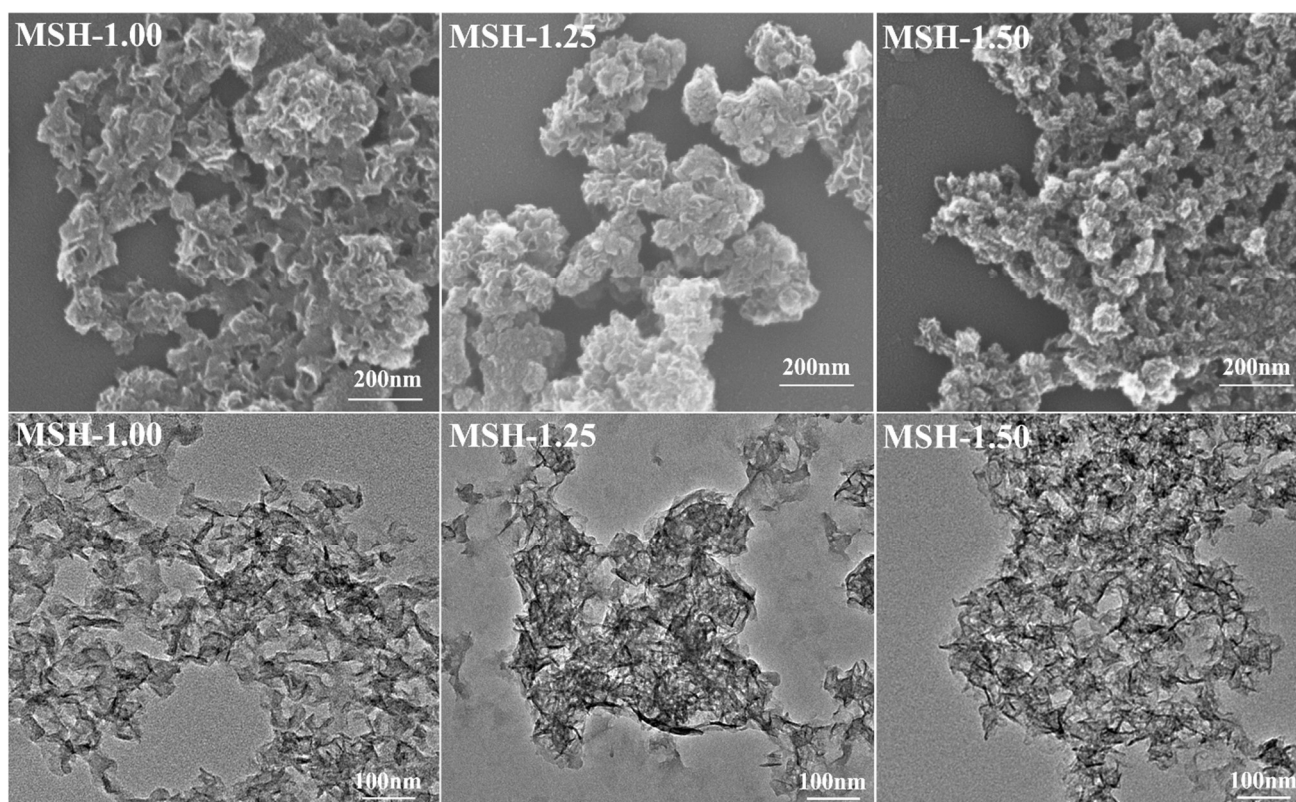
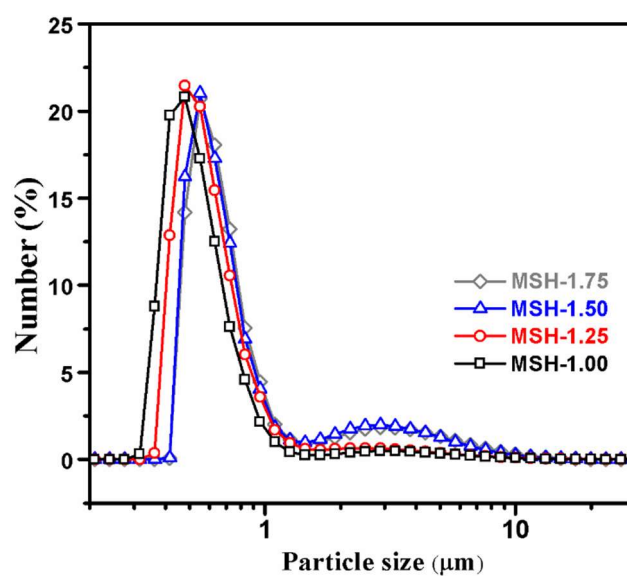


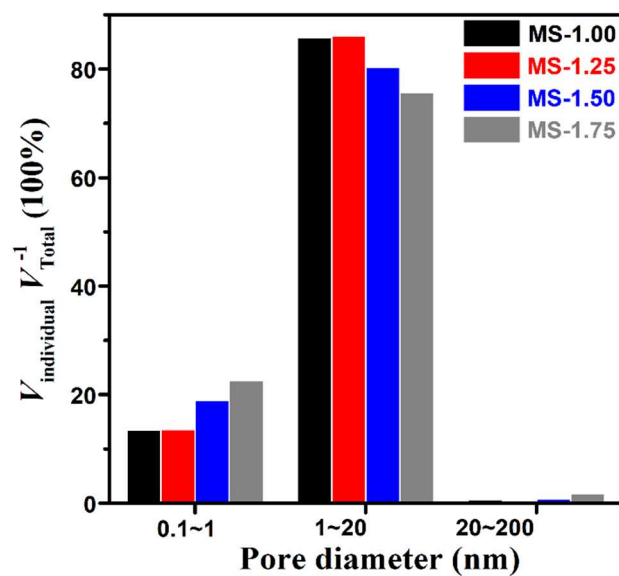
Figure S1. EDX of four magnesium silicate hydrate samples from MSH-1.00 to -1.75.



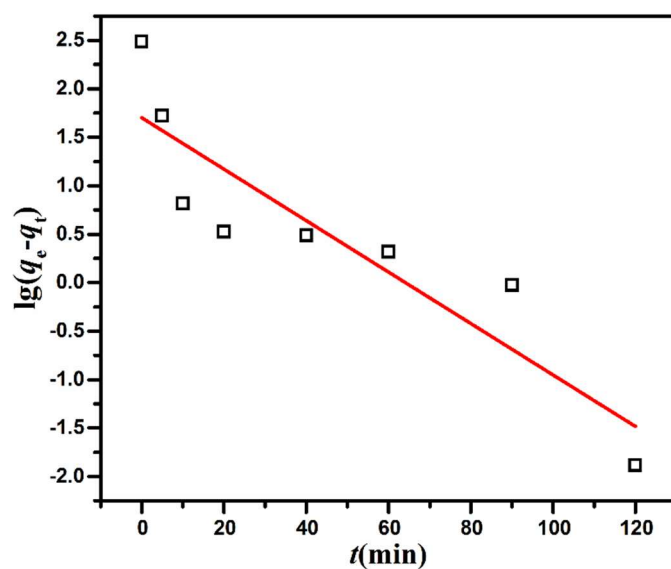
**Figure S2.** SEM images of three MSH samples with different Si/Mg ratios from 1.00 to 1.50.



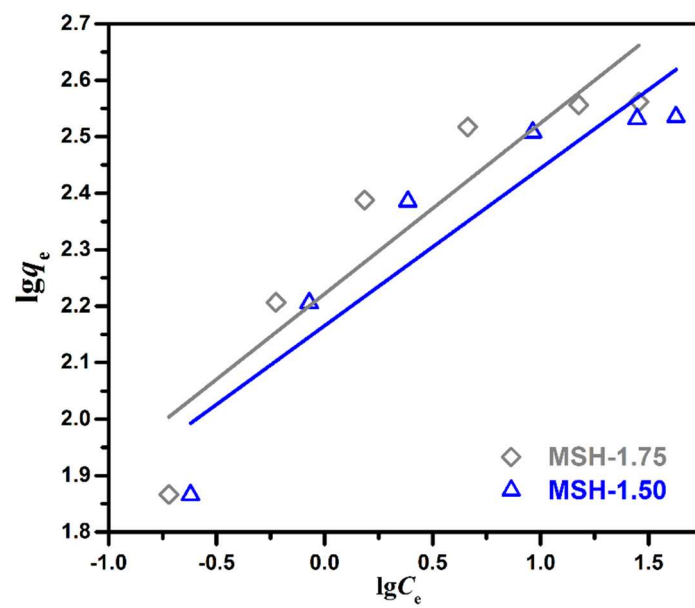
**Figure S3.** Particle size distribution of four magnesium silicate hydrate samples from MSH-1.00 to MSH-1.75.



**Figure S4.** The ratio of pore volume in a certain range of pore size over total pore volume as a function of pore diameter.



**Figure S5.** The liner fitting of pseudo-first-order kinetics of MSH-1.75 for MB adsorption.



**Figure S6.** The liner fitting of Freundlich isotherm for MB adsorption by MSH-1.50 and MSH-1.75.