

Supplementary Materials: Quaternized Chitosan-Capped Mesoporous Silica Nanoparticles as Nanocarriers for Controlled Pesticide Release

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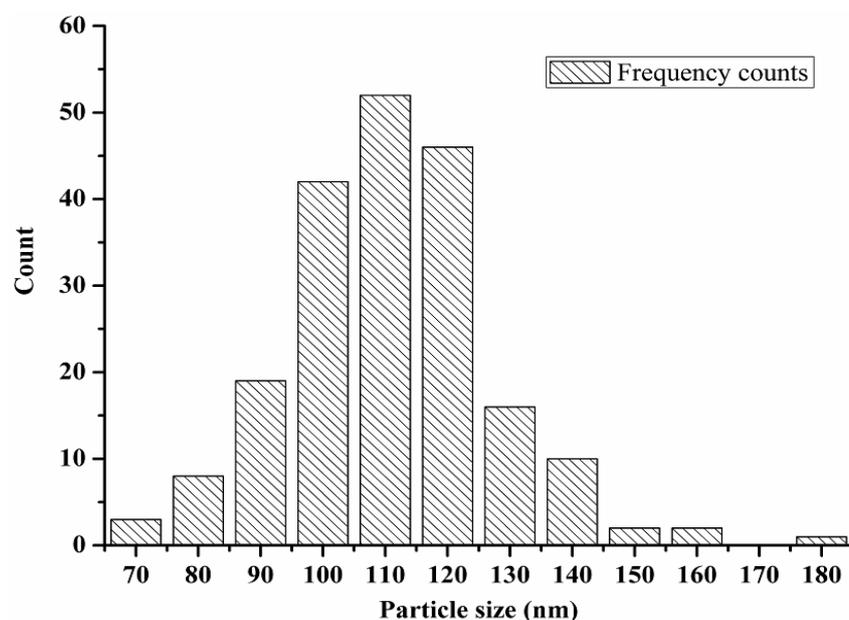


Figure S1. The distribution of particle size of Mesoporous silica nanoparticle (MSNs) based on the specimen numbers of 201.

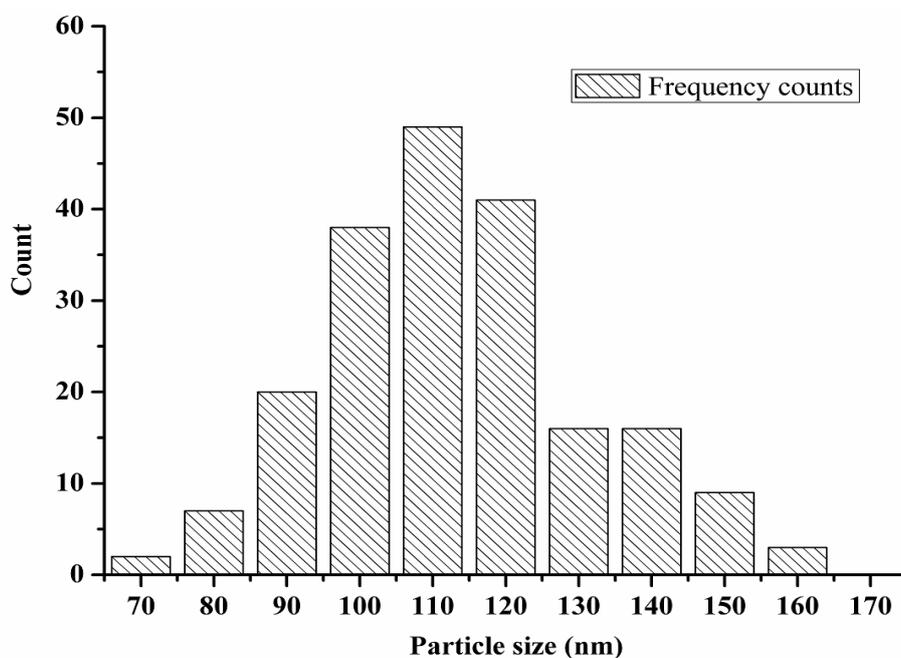


Figure S2. The distribution of particle size of pyraclostrobin-loaded HTCC-capped MSNs (Py@MSNs-HTCC) based on the specimen numbers of 201. HTCC: *N*-(2-Hydroxyl)propyl-3-trimethylammonium chitosan chloride.

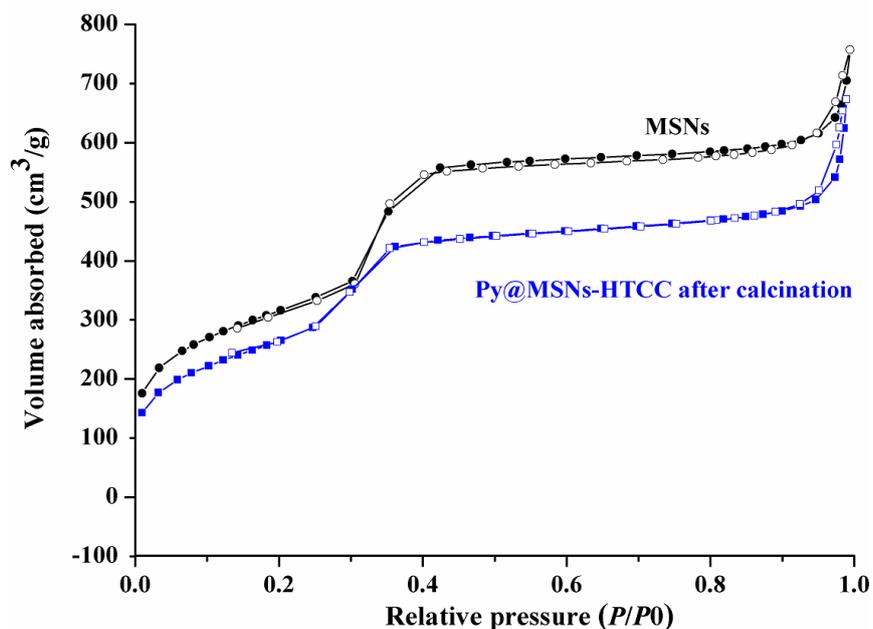


Figure S3. Nitrogen adsorption-desorption isotherms of MSNs and Py@MSNs-HTCC after calcination.

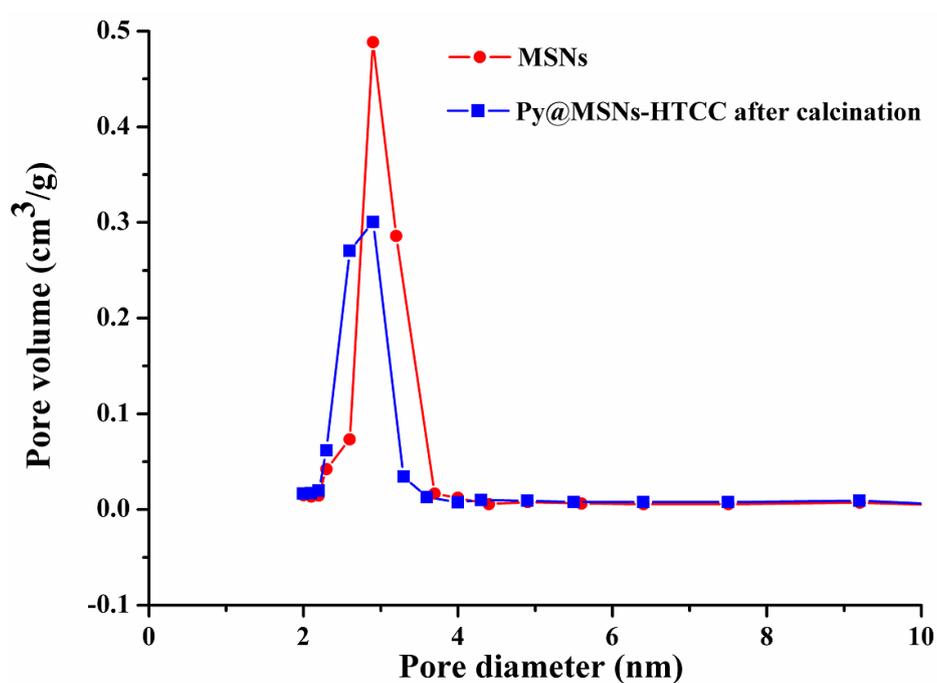


Figure S4. Barrett-Joyner-Halenda (BJH) pore-size-distribution curves of MSNs and Py@MSNs-HTCC after calcination.

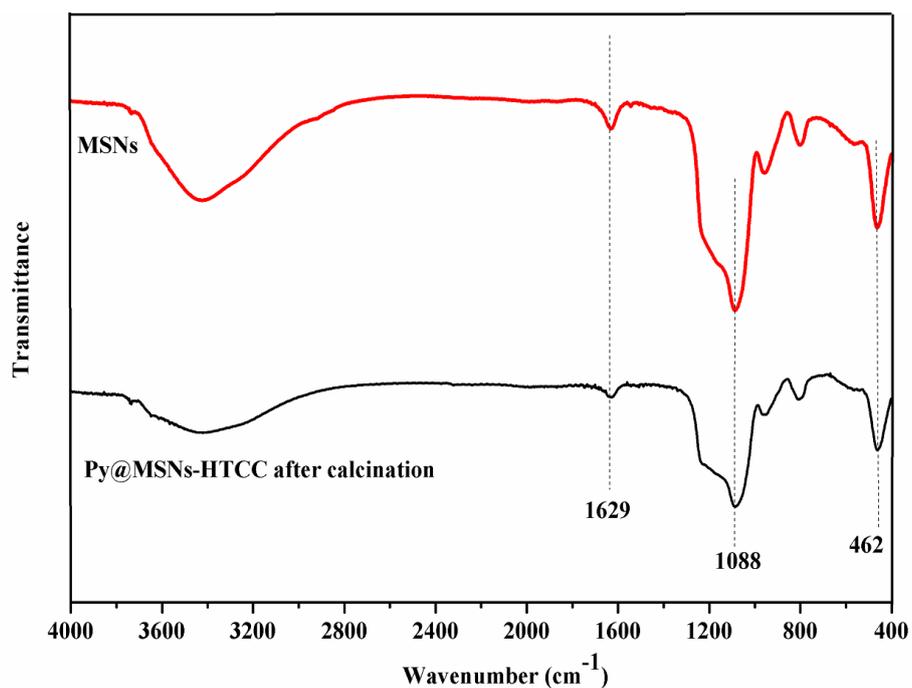


Figure S5. Fourier transform infrared (FTIR) of MSNs and Py@MSNs-HTCC after calcination.

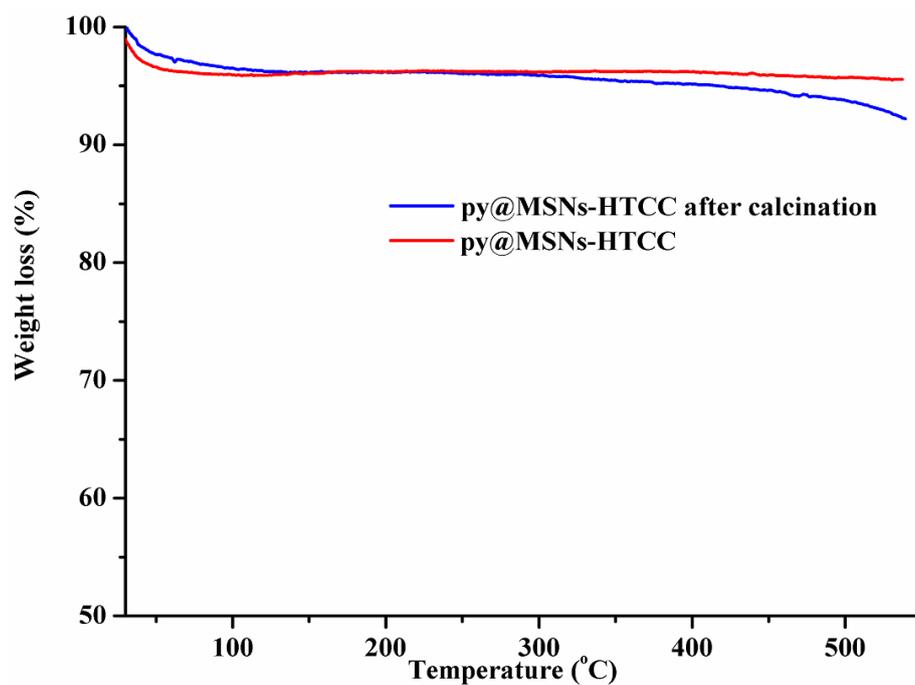


Figure S6. Thermogravimetric analysis (TGA) of MSNs and Py@MSNs-HTCC after calcination.

