

**/ZIF -8 Core-Shell hollow ZIF -8 sphere**

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Metal -organic frameworks(MOFs) , cluster 가  
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 가 가 . Zeolitic imidazolate framework -8 (ZIF -8) MOFs  
 Zn 2-methylimidazole가 , 0.35 nm 가 . ZIF -8  
 , 가  
 Polystyrene(PS)/ZIF -8 core-shell hollow ZIF -8 sphere .  
 Core-shell ZIF -8 polystyrene 가 oil bath  
 . Hllow shell sphere core-shell N,N-  
 dimethylformamide(DMF) core . 3 가  
 core-shell , BET .  
 가 가 ZIF -8 가 가 . PS/ZIF -8  
 core-shell XRD, FE -SEM, BET, TEM, TGA .