

عنوان مقاله:

Zn (II)-triazole-H3btc Nano scale Metal-Organic Framework as Efficient Material for Drug Delivery

محل انتشار:

کنفرانس بین المللی پژوهش در مهندسی، علوم و تکنولوژی (سال: 1394)

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خلاصه مقاله:

Herein, we describe the study of the adsorption and drug deliveries of Cephalexin, cefixime and amoxicillin as a model molecule for their simple structures by Zn (II)-triazole-H3btc MOFs. The results indicate that the nanostructured Zn(II)-triazole-H3btc MOFs with specially designed architectures as Cephalexin, cefixime and amoxicillin carriers have ultra high drug-loading capacity and sustainable drug release properties; therefore, they are promising drug carriers for Cephalexin, cefixime and amoxicillin

کلمات کلیدی:

Drug Delivery, Zn (II)-triazole-H3btc, Nano scale Metal-organic frameworks, Cephalexin, cefixime and amoxicillin

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