

عنوان مقاله:

Efficient removal of organic pollutants by a Ce-on-Zr-MOF- λ photocatalyst

محل انتشار:

سومین کنفرانس کاتالیست انجمن شیمی ایران (سال: 1401)

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خلاصه مقاله:

Herein, Zr-MOF- λ and Ce-MOF- λ are combined to construct a MOF-on-MOF hybrid named Ce-on-Zr-MOF- λ as an efficient photocatalyst. UV-visible spectra showed that Ce-on-Zr-MOF- λ harvests solar light effectively compared to bare MOFs. The photocatalytic experiment indicated that the Ce-on-Zr-MOF- λ (۱:۱) exhibited superior reduction efficiency of Cr(VI) (۱۰۰%) at pH ۲.

کلمات کلیدی:

;Photodegradation; Pollutants; Sunlight; MOF-on-MOF

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