عنوان مقاله:

Degradation Pathway of Volatile OrganicCompounds of Bitumen in the Presence of Sulfur-Doped Phenol-Rich Bio-oils

محل انتشار:

هفتمین کنفرانس ملی شیمی و توسعه فناوری نانو (سال: 1402)

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خلاصه مقاله:

We have developed an efficacious methodology for degradation of volatile organic compounds (VOCs) from the matrix of bitumen under visible-light conditions which time dependent density functional theory (TD-DFT) analysis supports the degradation of VOCs by sulfur-doped phenol-rich bio-oil (S_\ff^\dagger^\dagg

كلمات كليدى:

Volatile Organic Compounds, Bitumen, Degradation, Phenol, Sulfur, Ultraviolet Aging

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