

자성 나노 Core/Shell 표면 리간드 구조 변화에 따른
고정화 효소의 성능 비교

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The surface of Magnetite-mesoporous silica composites particles grafted with three different ligands. They were prepared by a simple procedure using pre-made nano-sized magnetite as seeds for the formation of mesoporous silica. Lipase of 6-histidine was immobilized onto the Magnetite-mesoporous silica composites particles with ligand, which was to catalyze hydrolysis of olive oil and showed enhanced durability in the reuse after recovered by magnetic separations.