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Exquisite stability and catalytic performance of immobilized lipase on novel fabricated nanocellulose fused polypyrrole/graphene oxide nanocomposite: characterization and application

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Abbreviations: Ppy/NCe/GO, Nanocellulose fused polypyrrole/graphene oxide nanocomposite; NCs, nanocomposites; NPs, nanoparticles; FT-IR, Fourier transform infrared spectroscopy; SEM, Scanning electron microscopy; EDAX, Energy-dispersive X-ray spectroscopy; TEM, Transmission electron microscopy; AFM, Atomic force microscopy; TGA, Thermogravimetric analysis; DTA, Differential thermal analysis;

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