

Antibacterial Properties of Heteronium Lignin Containing Materials Against ESKAPE Pathogens

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Chloromethylation of lignin as a route to functional material with catalytic properties in cross-coupling and click reactions

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A compared study of esterified lignin for thermoplastic applications

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Greener protocol for chloromethylation of lignin and its diverse applications

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Synthesis and antibacterial properties of lignin-based quaternary ammonium and phosphonium salts

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Synthesis and antibacterial properties of novel quaternary ammonium lignins

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Tuning ester derivatives of organosolv vs technical lignin for improved thermoplastic materials

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