

Circular production, designing, and mechanical testing of polypropylene-based reinforced composite materials : statistical analysis for potential automotive and nuclear applications

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Effect of protein surface hydrophobicity and surface amines on soy adhesive strength

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Efficient lignin fractionation from Scots pine (Pinus sylvestris) using ammonium-based protic ionic liquid : process optimization and characterization of recovered lignin

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Electrospinning polyvinyl alcohol reinforced with chitin: The effect of the degree of acetylation

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Ferrocene introduced into 5-methylresorcinol-based organic aerogels

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A finite element method for determining the mechanical properties of electrospun nanofibrous mats

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Impact of alkali and silane treatment on hemp/PLA composites' performance : from micro to macro scale

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Influence of protic ionic liquid-based flame retardant on the flammability and water sorption of alkalized hemp fiber-reinforced PLA composites

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Investigation of efficient alkali treatment and the effect of flame retardant on the mechanical and fire performance of frost-retted hemp fiber reinforced PLA

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Molecularly imprinted polymer-based electrochemical sensor for the detection of azoxystrobin in aqueous media

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A novel method to enhance the mechanical properties of polyacrylonitrile nanofiber mats: an experimental and numerical investigation

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Preparation of thermoplastic cellulose esters in [mTBNH][OAC] ionic liquid by transesterification reaction

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Synthesis and investigation of thermo-induced gelation of partially cross-linked poly-2-isopropyl-2-oxazoline in aqueous media

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Tensile and surface wettability properties of the solvent cast cellulose fatty acid ester films

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The effect of Zinc Oxide on DLP hybrid composite manufacturability and mechanical-chemical resistance

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