

Development of Functional Composite Cu(II)-Polyoxometalate/PLA with Antimicrobial Properties

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New antimicrobial CU(II)-polytungstate/polylactic acid films

Duvanova, Ella; Krasnou, Illia; Knyzhnyk, Ivan; Radio, Serhii V.; Karpichev, Yevgen Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 15 I. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

Synthesis and antibacterial properties of lignin-based amino and quaternary ammonium surfactants

Kothottil Mohan, Mahendra; Duvanova, Ella; Lukk, Tiit; Karpichev, Yevgen 5th International Caparica Symposium on Nanoparticles, Nanomaterials and Applications 2022 : book of abstracts 2022 / p. 208

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

Mohan, Mahendra Kothottil; Kaur, Harleen; Duvanova, Ella; Rosenberg, Merilin; Dahlem, Marcos; Ivask, Angela; Raimundo, Jean-Manuel; Lukk, Tiit; Karpichev, Yevgen International Conference EcoBalt 2023 "Chemicals&Environment" 2023 / 2 p. <https://doi.org/10.3390/proceedings2023092058>

Synthesis and antibacterial properties of novel quaternary ammonium lignins

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