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Chitosan nanoparticles affect polymorph selection in crystallization of calcium carbonate

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Graphical abstract



Abstract. Stable suspensions of chitosan nanoparticles were produced by the inverse miniemulsion technique and used as substrates for the crystallization of various polymorphs of calcium carbonate (CaCO₃). These bioinspired chitosan nanoparticles were cross-linked with 1,4-butanediol diglycidyl ether, had an average particle diameter of 100–350 nm, and displayed

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