

Cellulose Chitosan And Keratin Composite Materials.pdf

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Natural and synthetic polymers for wounds and burns ...

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1. Introduction. During the wound healing process, dressings are used for the regeneration and repairing of dermal and epidermal tissues. Wound dressing materials, as physical barriers permeable for moisture and oxygen, protect the wound mainly against microorganisms (Adamian et al., 2004). For the stimulation of wound healing, a passive dressing is essential for maintaining an optimally moisture.

Chitosan—A versatile semi-synthetic polymer in biomedical ...

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Chitin - Wikipedia

Wed, 10 Oct 2018 08:55:00 GMT

Chitin (C₈H₁₃O₅N)_n (/ ? k a ? t ? n / KY-tin), a long-chain polymer of N-acetylglucosamine, is a derivative of glucose. It is a primary component of cell walls in fungi, the exoskeletons of arthropods, such as crustaceans (e.g., crabs, lobsters and shrimps) and insects, the radulae of molluscs, cephalopod beaks, and the scales of fish and lissamphibians. The structure of chitin is ...

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Nanofiber - Wikipedia

Thu, 11 Oct 2018 06:59:00 GMT

History of nanofiber production. Nanofibers were first produced via electrospinning more than four centuries ago. Beginning with the development of the electrospinning method, English physicist William Gilbert (1544-1603) first documented the electrostatic attraction between liquids by preparing an experiment in which he observed a spherical water drop on a dry surface warp into a cone shape ...

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