

عنوان مقاله:

Silk-based nanofibers: Preparation, properties and applications

محل انتشار:

اولین کنفرانس فناوری نانو در محیط زیست (سال: 1385)

تعداد صفحات اصل مقاله: 11

نویسندگان:

Nasim Amiralyan

Mahdi Nouri - Textile Dep., Guilan university, rasht, Iran

Mohammad Haghhighatkish

خلاصه مقاله:

Scientists and engineers have long envied spiders' ability to manufacture a material that is simultaneously strong, fine, and tough. This combination of properties makes silk worm silk an extremely attractive candidate for numerous applications in medicine, defense, and the leisure industry. In this paper, the effect of electrospinning parameters on the fiber diameter of regenerated silk from Bombyx mori in various solutions and biomedical applications of silk fibroin was considered.

کلمات کلیدی:

nanofiber, silk, biopolymer, application

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