1. Record Nr. UNINA9910815040403321

Titolo	Electrospun nanofibers and nanotubes research advances / / A.K. Haghi, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-60876-762-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (218 p.)
Collana	Nanotechnology science and technology series
Altri autori (Persone)	HaghiA. K
Disciplina	620/.5
Soggetti	Nanofibers - Design and construction Nanotubes - Design and construction Electrospinning - Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The reinforcing of polyaniline fibres using single walled carbon nanotubes / V. Mottaghitalab, B. Xi, G.M. Spinks and G.G. Wallace -- The development and characterisation of polyaniline-single called carbon nanotube composite fibres using 2-acrylamido-2 methyl -1-propane sulfonic acid (AMPSA) through one step wet spinning process / V. Mottaghitalab G.M. Spinks and G.G. Wallace -- A new approach for measurement of electrospun fiber diameter in nonwoven webs / M. Ziabari, V. Mottaghitalab, A.K. Haghi and S.T. McGovern -- Polyaniline and polyaniline-carbon nanotube composite fibres as battery materials in ionic liquid electrolyte / C.Y. Wang et al -- Control of elctrospun nanofiber diameter using distance transform method : a novel approach / M. Ziabari, V. Mottaghitalab, A.K. Haghi and S.T. McGovern -- Nanotube orientation and load transfer in polyaniline/single walled carbon nanotube composite fibre / V. Mottaghitalab, P.G. Whitten, G.M. Spinks and G.G. Wallace -- A novel image analysis for control of electrospun nanofiber web pores structure / M. Ziabari, V. Mottaghitalab, A.K. Haghi and S.T. McGovern -- Charge transport regime in polyaniline/carbon nanotube composite fibre systems / V. Mottaghitalab, A.I. Minett, G.M. Spinks and G.G. Wallace -- A new methodology for control of governing parameters in electrospinning process / M. Ziabari, V. Mottaghitalab, A.K. Haghi and S.T. McGovern -- Carbon nanotube reinforced polyaniline composite fibres for high

strength artificial muscles / G.M. Spinks et al -- A novel antibacterial electrospun nanofiber / M. Nouri.