## **Table of Contents**

rrelace	
Effect of Ultrasonic Vibration on Electrospun Poly(vinyl Alcohol) (PVA) Nanofibers N. Si, L. Xu, M.Z. Wang and F.J. Liu	1
Vibration and Heat Effect on Electrospinning Modeling Y.Q. Wan, J. Qiang, L.N. Yang, Q.Q. Cao and M.Z. Wang	9
Hierarchical Motion of Charged Jets in Electrospinning and Nanofibers with Minimal Diameter of about 5nm H.Y. Kong and J.H. He	14
High Orientation Ordered Nanofibers Fabricated by Electrospinning H.Y. Kong, H.Y. Liu and J.H. He	21
Multi-Bubble Electrospinning of Nanofibers X.F. Sun, Y. Liu, J. Liu, R. Wang and Y.L. Hu	26
Two Dimensional Nano-Net by Bubble Electrospinning H.Y. Liu, H. Dou and Z.F. Ren	34
Frequency of Bubble Formation in Modified Bubble Electrospinning H.Y. Kong and J.H. He	40
<b>Edible Starch for Fabrication of Nanoparticles by Electrospinning</b> C.H. He and X.C. Wang	49
Web-Like Nanofibers for Improving Fibroblast Growth F.J. Liu, J.H. He and L. Xu	53
<b>Antibacterial Activity of Polyester Fabric Treated with Nano-TiO<sub>2</sub> via One-Bath Process</b> F.L. Sun and M. Zheng	58
Fabrication and Preliminary Study of a Prototype Bi-Layered Small Diameter Vascular Prosthesis Composed of Nano-Fiber and Silk Fiber H.J. Zhao, G.L. Zhou and Z.Q. Yuan	66
Influence of Chemical Structure on Wetting Property of Down Fibers J. Gao	70
Fabrication of Micro Yarn Composed of Nanofibers by Blown Bubble Spinning H. Dou and H.Y. Liu	74
<b>Droplet-Like Beads in the Surface of Nanofibers by Bubble-Electrospinning</b> H. Dou, H.Y. Liu and J.H. He	78
A Belt-Like Superfine Film Fabricated by Bubble-Electrospinning H. Dou and B.Q. Zuo	82
Diffusion of Silver Ions in Hollow Cylinders with an Auxillary Cylinder L. Lin and M.Z. Wang	86
Change of Leaf Morphology along Altitudinal Gradients H.Y. Kong, R.X. Chen, J.H. He and L.F. Mo	92
An Exact Solution to the Local Fractional Richards' Equation for Unsaturated Soils and Porous Fabrics Z.B. Li, Y.S. Yun and H.Y. Luo	97
Experimental Verification and Theoretical Analysis of Silk Dyeing and Finishing Functions with Modified Natural Tea Polyphenols Dye Y.J. Zhou, W.L. Wang, T.J. Yi and G.H. Chen	102
Functionalization Research of Silk Fabrics with PVP/ZnO Nanoparticles for Improving Silk Dyeability with Natural Tea Polyphenol Dye T.J. Yi, W.L. Wang and Y.J. Zhou	106