



The Textile Institute

The Journal of **The Textile Institute**

2012 Vol 103 No 12 ISSN 0040-5000



Taylor & Francis
Taylor & Francis

The Journal of The Textile Institute

ISSN 0040-5000

VOLUME 103 · NUMBER 12 · 2012

- PAPERS**
- 1267 Textile design application via electroless copper plating**
R.H. Guo, S.X. Jiang, C.W.M. Yuen and M.C.F. Ng
 - 1273 Study of changes in 3D-woven multilayer interlock fabric preforms while forming**
Y. Nawab, X. Legrand and V. Koncar
 - 1280 Stress-strain behavior of polyamide 6 staple fibers of punch-needled press felts under simulated wet-pressing conditions**
T. Hakala, O. Kaleva and A. Harlin
 - 1294 Geotextile-microstrip-hybrid antennas for roadbed based wireless communication**
H. Li, D. Branscomb, G. Thomas, M. Baginski and L. Riggs
 - 1304 Bending and tensile properties of cotton/metal wire complex yarns produced for electromagnetic shielding and conductivity applications**
A. Bedeloglu, N. Sunter, B. Yildirim and Y. Bozkurt
 - 1312 Experimental investigation and numerical simulation of three-point bending fatigue of 3D orthogonal woven composite**
B. Sun, Z. Niu, L. Jin, Y. Zhang and B. Gu
 - 1328 Compression creep behaviour of polyester needle-punched nonwoven fabrics**
S. Debnath and M. Madhusoothanan
 - 1335 Global sourcing of South Korean apparel industry: sourcing trend and supplier selection**
S. Kim
 - 1352 Analysis of warp-knitted fabric structure part IV: modeling the initial Poisson's ratio in elastic deformation region**
H. Dabiryan and A.A.A. Jeddi
 - 1361 Effect of TiO₂ nanoparticles on basalt/polysiloxane composites: mechanical and thermal characterization**
R. Mishra, R. Tiwari, M. Marsalkova, B.K. Behera and J. Militky

- 1369 Effect of pile fiber cross section shape on compression properties of polypropylene carpets
Ü.H. Erdoğan
- 1376 A study by a genetic algorithm for optimizing the arrangement of the fibers on the damage to the fiber–matrix interface of a composite material
M. Allel, A. Mohamed and B. Ahmed