



The 17th Asian Textile Conference Oral Presentation

Date: 12/17/2024

Time: 15:20-18:00

Locations: Insky Hotel (2F)

ROOM-1

Session	Title	Author
OA-1	Flexible Puncture-Resistant Composites for Multifunctional Protection	Yabo Sun, Ting-Ting Li, Ching-Wen Lou, Jia-Horng Lin
OA-2	Self-healing Polyurethane for Puncture-resistant Fabric Composites	Xingteng Zhang, Ting-Ting Li, Ching-Wen Lou, Jia-Horng Lin
OA-3	Preparation and Properties of Super-tough and Fast Self-repairing Dual Nanocomposite Gel Soft Stab-proof Composites	Mingyuan Zhang , Ting-Ting Li , Ching-Wen Lou , Jia-Horng Lin
OA-4	Evaluation of the Influence of Water Content and Fabric Type on the Mechanical Properties of Polyurethane Composite Foam	Le-tian Li, Ting-Ting Li, Ching-Wen Lou, Jia-Horng Lin
OA-5	Spiral Fiber Structure/Bead Fiber Structure Composite Membrane for Efficient Air Filtration	Bingyan Duan, Sen Li, Ching-Wen Lou, Ting-Ting Li, Jia-Horng Lin
OA-6	Investigation of Urushiol's Role in Regulating the Degradation Performance of Polyethylene Glycol Nanofiber Membranes	Qian-Yu Yuan, Lan Yang, Ting-Ting Li, Bing-Chiuan Shiu, Ching-Wen Lou and Jia-Horng Lin
OA-7	PVA Fiber Doped Cellulose Aerogel with Porous Structure for Improved Low and Medium Frequency Sound Absorption and Flame Retardant, Compression Properties	Fei Tian, Shu-Feng Li, Lu Zhang, Jia-Horng Lin
OA-8	One-step Preparation of Self-heating Melamine Foam for Oil-water Separation	Mengdan Jia, Tingting-Li, Ching-Wen Lou, Jia-Horng Lin
OA-9	Abstract-Construction of Advanced ZnO/Resveratrol-Loaded PCL Nano-Micro Conjugated Fibrous Dressings for Accelerated Wound Healing	Qi Meng, Ting Dong, Jia-Horng Lin, Ching-Wen Lou and Shaohua Wu
OF-1	Developing and Evaluating Nonwoven Fabrics Infused With Antimicrobial Metal Particles Through Substitution Reactions and Various Mechanisms	Bingbing Shou, Ting-Ting Li, Liyan Liu, Ching-Wen Lou, Jia-Horng Lin
OF-2	An S-scheme TiO ₂ /g-C ₃ N ₄ Nanocomposite Effectively Degrades Phenanthrene Under Visible Light	Meng-Meng Xie, Ting-Ting Li, Ching-Wen Lou and Jia-Horng Lin



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ROOM-2

Session	Title	Author
OF-1	Developing and Evaluating Nonwoven Fabrics Infused With Antimicrobial Metal Particles Through Substitution Reactions and Various Mechanisms	Bingbing Shou, Ting-Ting Li, Liyan Liu, Ching-Wen Lou, Jia-Horng Lin
OF-2	An S-scheme TiO ₂ /g-C ₃ N ₄ Nanocomposite Effectively Degrades Phenanthrene Under Visible Light	Meng-Meng Xie, Ting-Ting Li, Ching-Wen Lou and Jia-Horng Lin
OG-1	The effect of stitch density on the seam opening and seam strength behavior of stitched denim fabrics with different weights	Saeed Shaikhzadeh Najari and Farnaz Inanloo
OG-2	A Study on the Application of Floral Image Leather Carving in Fashion Bag Design	Wan-Chen Tu, Miao-Tzu Lin
OH-1	Exploring Motivations for Online Fashion Shopping Among Elderly Women: A Theoretical Framework	Yushi Lin, Joe Au, and Jin Lam
OH-2	Research on the Differences between Consumer Preference Colors and Wearing Colors	Cui-Juan Fan and Chien-Teng Hsieh
OH-3	Compare the Differences between the Secondhand Clothing Market in Taiwan and Japan	Kozue Hinokidani and Chien-Teng Hsieh
OH-4	The Impact of Social Media Platforms on Women's Apparel Consumers' Purchase Intentions	Jing-Ying Wang and Chien-Teng Hsieh



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OE-1	Thermal Soft Actuator with Visible Temperature Perception	Houcai Zhang, Hongtao Zhao, Xueji Zhang, Lijun Qu
OE-2	Thermo-responsive and Strain Sensitive Hydrogel with Inscrutable Transparency-Based Dynamic Memory Behaviors	Huabiao Ye , Ting Dong, Ching-Wen Lou , Jia-Horng Lin
OE-3	Thermal insulation of aramid-reinforced MXene composite aerogels with Electromagnetic Interference Shielding Efficiency	Xiaomeng Wang, Ting-Ting Li, Chen-Hung Huang, Ching-Wen Lou, and Jia-Horng Lin
OE-4	Electrospun PVDF-HFP Nanofibers with MoS ₂ for Triboelectric Nanogenerators	Hao Zhao, Ting-ting Li, Chen-Hung Huang, Ching-Wen Lou, Hao-kai Peng and Jia-Horng Lin,
OE-5	PEDOT@Nb ₂ CTX/cotton fabric thermoelectric-supercapacitor for power generation and storage integration	Haiyu Fu, Yexiong Qi, Chen-Hung Huang, Ching-Wen Lou, Ting-Ting Li and Jia-Horng Lin
OE-6	Preparation of transition metal-based yarn sensors for enzyme-free glucose detection	Yuxin Wu, Ting-Ting Li, Ching-Wen Lou, Chen-Hung Huang, Jia-Horng Lin
OE-7	Carboxymethyl Chitosan-Based Aerogels: Multifunctional Materials for Enhanced Acoustic Insulation and Environmental Sustainability	Yanping Zhang , Liyan Liu , Ching-Wen Lou , Ting-Ting Li and Jia-Horng Lin
OE-8	Superhydrophobic cotton fabric with TiN-Based photothermal effect	Xin Qi, Chen-Hung Huang, Ching-Wen Lou, Ting-Ting Li and Jia-Horng Lin
OE-9	Fe-BiVO ₄ /BiOCl-CF/FeOOH nanofibre-based optoelectronic biosensors for ultrasensitive detection of dopamine	Wanying Li, Ting-Ting Li, Xing Liu, Chen-Hung Huang, Jia-Horng Lin
OE-10	PEDOT/CNT/PPY Flexible Photothermoelectric Conversion Fabrics for Green Energy Capture and Power Generation	Jiahui Li, Ting-Ting Li, Chen-Hung Huang, Ching-Wen Lou, Jia-Horng Lin



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Session	Title	Author
OA-10	Silk Revitalization for Bactericidal Suture Applications	LIU Chang, YU Rujun, FEI Bin
OA-11	Stereocomplex Crystallization in Sheath/Core and Sea/Island Poly(L-lactic acid)/Poly(D-lactic acid) Ultra-Fine Fibers via Laser-Heated Melt Electrospinning and Subsequent Annealing	Zongzi Hou, Haruki Kobayashi, Katsufumi Tanaka, Wataru Takarada, Takeshi Kikutani, and Midori Takasaki
OA-12	Effect of Molecular Orientation on the Crystallization Rate of Poly(ethylene terephthalate) and Poly(L-lactic acid)	Seiji Shibata, Yuki Fukuda, Wataru Takarada, Takeshi Kikutani
OA-13	Enhanced Mechanical and Electrical Properties of Carbon Nanotube Fibers through Surface Defect Engineering	Yong Kim, Seung-Yeol Jeon, Woong-Ryeol Yu
OA-14	Analysis of the Physicochemical Properties and Biocompatibility of Ferulic Acid Impregnation/Copper Mesoporous Hydroxyapatite Composite Calcium Phosphate Bone Cement	Sen-Chi Yang Shih-Ming Liu1Wei-Chi Chuang and Wen-Cheng Chen
OA-15	Degree of Deacetylation of Chitin in Alkaline Aqueous Solvent System	Vivian Christabel, Min-Lang Tsai
OA-16	Development of down-like insulation with excellent tensile, compression recovery, and good air permeability	Chung-Shan Peng
OA-17	Preparation and Characteristics of Hybrid Scaffold Composed of Deacetylated- β -chitin and Gelatin	Siti Ayu Ulfadillah, Ru-Ting Xu, Min-Lang Tsai, and Fwu-Long Mi



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OB-1	Wrinkle Recovery and Folding Force Properties of Extensible Denim Fabrics	Saeed Shaikhzadeh Najar, , Sara Amir-Jamshidi and Ezzatollah Haghighat
OC-1	Development of Hydrophilic, Durable, and Flame-Retardant PA6.6 Fabrics Using a Simple Dip-Coating Strategy with Renewable Biobased Materials	Mohammad Ziaur Rahman
OC-2	Fabrication of Fiber Materials Exhibiting Structural Colors by Using Nature Technology	Kazumasa Hirogaki, Kazushi Sekiguchi, Hinata Tsuruo, Moeka Nishio, Katsumi, Ajikawa and Isao Tabata
OC-3	Development of scouring, dyeing, and functional finishing technology using supercritical carbon dioxide	Teruo Hori, Isao Tabata, and Kazumasa Hirogaki
OD-1	Advanced failure prediction of short fiber-reinforced plastics using progressive damage accumulation in a two-step homogenization framework	Hyonwoo Pang, Minjun Kwak, Wonjun Lee, Sangwoo Kim, Woong-Ryeol Yu
OD-2	Processing Technique and Impact Resistance of Kevlar/BF/LPET Impact resistance Nonwoven Fabrics	Kuang-Hui Chou, Ching-Wen Lou, Jia-Horng Lin



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E-11	Facile fabrication of photo-thermoelectric fabrics for energy harvesting and self-powered respiratory tactile sensing	Yazhou Zhang, Ting-Ting Li, Chen-Hung Huang, Ching-Wen Lou, Jia-Horng Lin,
OE-12	Research on the Protective Performance of F-SiC/TPU Composite Coating on Aramid Fabric	Jiajing Dong, Ting-ting Li, Ching-Wen Lou, Jia-Horng Lin
OE-13	Preparation of piezoelectric core-shell braided scaffolds for bone regeneration	Jinlong Zhou, Ting-Ting Li, Xing Liu, Ching-Wen Lou, Jia-Horng Lin
OE-14	Preparation and properties of TOCNFS/PANI/CNT self-healing conductive materials based on hydrogen bonding and reversible imine bonding	Yu Zhou, Hai-Tao Ren, Chen-Hung Huang, Ching-Wen Lou, Ting-Ting Li, and Jia-Horng Lin
OE-15	All-organic electroactive interactive textiles using thermo-programmed shape-memory fibers spun by 3D printing	Mutsumi Kimura
OE-16	Development of shape memory carbon fiber-reinforced smart textile composites via 4D printing and frontal polymerization	Hyeon-Ju Jang, Woong-Ryeol Yu
OF-3	Lignin Valorization: Fungal Laccase Modification of Industrial Lignin with Antimicrobial Activity	WONG Lan Heung, XIN Haozhong John
OF-4	One-step fabrication of graphene quantum dots using liquid-phase atmospheric pressure plasma jet	Kai-Lin Cheng, Hung-Cheng Chien, Yong-Rui Liu, Dong-Liang Tsai and Jason H.C. Yang