A. Shaw, A. Coleone, and J. Machado-Neto. (2016). “Permeation of Active Ingredient in Pesticide Formulations through Single-use and Reusable Chemical-Resistant Gloves.” STP1593 ASTM International, DOI: 10.1520/STP159320160018 Sept 2016.

Y. Yuan, S-O. Choi, **J. Kim**, Influence of electrospun morphology on superhydrophobicity*, International Textile and Apparel Association (ITAA) 2016 Annual Conference*, Vancouver, BC, Canada, Nov 8-11 (2016).

Y. Yuan, S-O. Choi, **J. Kim**, Characterization of wetted surface area from superhydrophobic polystyrene web, *51st American Chemical Society (ACS) Midwest Regional Meeting (MWRM)*, Manhattan, KS, USA, Oct 26-28 (2016).

Y. Yuan, S-O. Choi, **J. Kim**, Analysis of water contact area on a superhydrophobic web, *The Fiber Society 2016 Fall Meeting and Technical Conference*, Cornell University, USA, Oct 11-12 (2016).

Lin, S., Boorady, L., & Chang, C.P. (October, 2016). Preparation of Firefighting Hood for Cooling for Phase Change Materials, *International Journal of Engineering Research and Applications,* 6(10), 13-16. ISSN: 2248-9622, www.ijera.com

Lin, S., Kajiyama, K., & Wu, T.H. (2017). Smart Diaper: How it Works, The International Symposium on Wearable Computers (ISWC) conference. Maui, HI.

Lin, S., Boorady, L., & Chang, C.P. (2016). Firefighter hood for cooling by exploring Phase Change Materials, *International Textile and Apparel Association Annual Meeting*, Vancouver, Canada.

Lin, S. H., Chang, C. P., Boorady, L. M., & Ashdown, S. P. (2016). Exploring phase change materials in gloves to regulate body temperature. The 10th International Conferences on Design History and Studies (ICDHS) proceedings, P214-217, Taipei TW. (best presentation)

Boorady, L., & Lin, S. (2016).The design of fire retardant textile products: An exploration of design characteristics, The 10th International Conferences on Design History and Studies (ICDHS), Taipei TW.

Lin, S., & Boorady, L. (2016). Protective apparel design for household fire incidents, Poster section. The 10th International Conferences on Design History and Studies (ICDHS), Taipei TW.

Griffin, L. A. (Author & Presenter), Fiber Society, "Leveraging fiber and material development through interdisciplinary product development," Ithaca, New York, United States. (October 2016).

Griffin, L. A. (Author & Presenter), Bye, E. (Author), Labat, K. L. (Author), Lastovich, T. (Author), International Textiles and Apparel Association, "Sizing System Development and Testing for a Protective Coverall Design," Vancouver, Canada. (November 2016).

Griffin, L. A. (Author & Presenter), Bye, E. K. (Author), Labat, K. L. (Author), Lastovich, T. (Author), International Textiles and Apparel Association, "Protective Coverall Design Development and Testing," Vancouver, Canada. (November 2016).

Griffin, L., Compton, C., and Dunne, L.E. (2016) An Analysis of the Variability of Anatomical Body References within Ready-to-Wear Garment Sizes. *Proc. of the International Symposium on Wearable Computers,* Heidelberg, Germany.

Tian M., **Park, H**., \*Koo, H., \*Xu, Q., & Li, J. (2017). Effects of Load Carriage and Work Boots on Lower Limb Kinematics of Industrial Workers, *International Journal of Occupational Safety and Ergonomics*. 1-37. *(Impact factor: 0.35). DOI: http://dx.doi.org/10.1080/10803548.2017.1334336*

Tian M., **Park, H**., Koo, H., Xu, Q., & Li, J. (2017). Impacts of Work Boots and Load

Carriage on the Gait of Oil Rig Workers, *International Journal of Occupational Safety and*

*Ergonomics*. *23*(1), 118-126. *(Impact factor: 0.35)*

Pei, J., **Park, H.**, Ashdown, S., Arzu Vuruskan (2017, In press). A Sizing Improvement Methodology

Based on Adjustment of Interior Accommodation Rates across Categories within a Size Chart,

*International Journal of Clothing Science and Technology. 29(4), (Impact factor: 0.75)*

**Park, H**., Kakar, R., \*Pei J., Tome, J., & Stull, J. (Under review). Impact of Size of Fire Boots and

Self-Contained Breathing Apparatus on Firefighters’ Mobility*. Applied Ergonomics. (Impact*

*factor: 1.35)*

KPM Tang, C Kan, **J Fan**, [Comparison of test methods for measuring water absorption and transport test methods of fabrics](http://scholar.google.com.hk/citations?view_op=view_citation&hl=zh-TW&user=2agVWNUAAAAJ&sortby=pubdate&citation_for_view=2agVWNUAAAAJ:SAZ1SQo2q1kC), Measurement 97, 126-137.

B Xiao, W Wang, **J Fan**, H Chen, X Hu, D Zhao, X Zhang, W Ren, [Optimization of the fractal-like architecture of porous fibrous materials related to permeability, diffusivity and thermal conductivity](http://scholar.google.com.hk/citations?view_op=view_citation&hl=zh-TW&user=2agVWNUAAAAJ&sortby=pubdate&citation_for_view=2agVWNUAAAAJ:Og1tA8FjbJAC), Fractals, 1750030

L Wu, X Zhou, H Lu, Q Liang, J Kou, F Wu, **J Fan**, [A controllable water signal transistor](http://scholar.google.com.hk/citations?view_op=view_citation&hl=zh-TW&user=2agVWNUAAAAJ&sortby=pubdate&citation_for_view=2agVWNUAAAAJ:sJPMR1oEGYQC), Physical Chemistry Chemical Physics 19 (14), 9625-9629.

Vuruskan, A. and **Ashdown, S.P.**, (2017, in press) Modeling of half scale human bodies in active body positions for apparel design and testing. International Journal of Clothing Science and Technology.

Morris, K., Park, J., & Sarkar, A. (2017). Development of a nursing sports bra using an integrative co-design method. *Clothing and Textile Research Journal*. Advance Online Publication. doi: 10.1177/0887302X17722858

Park, J., & Fletcher, A. (2017). The U.S. firefighter’s perception and lived experience with station work uniform: Occupational safety concerns in public appearance. *International Journal of Fashion Design, Technology and Education*. Advance Online Publication. doi: 10.1080/17543266.2017.1332244

Park, J. (2017). Emotional reactions to the 3D virtual body and future willingness: The effects of self-esteem and social physique anxiety. *Virtual Reality*. Advance Online Publication. doi: 10.1007/s10055-017-0314-3

Park, J, & Langseth-Schmidt, K. (2016). Anthropometric fit evaluation of firefighters’ uniform pants: A sex comparison. *International Journal of Industrial Ergonomics, 56*, 1-8. doi: 10.1016/j.ergon.2016.08.011

Zhu, R., Yadama, V., **Liu, H**., Harper, DP., Lin, R. Fabrication and Characterization of Nylon 6/Cellulose Nanofibrils As-spun Nanocomposite Filaments, Composite: Part A. Applied Science and Manufacturing. 97, 111-119.

**2016** Ge Wu, Duan Li, Pengpeng Hu, Yueqi Zhong and Ning Pan, Automatic foot scanning and measurement based on multiple RGB-depth cameras, *Textile Research Journal*, DOI: 10.1177/0040517516677233.

**2016** Jinlian Hu, Shanshan Zhu, Robert J. Young, Ziqing Cai, Liangbin Li, Jianping Han and Ning Pan, Stress memory materials and their fundamental platform, *Journal of Materials Chemistry* A, DOI: 10.1039/c6ta08005g.

**2016** Huan Qi, Junbing Pan, Feng-ling Qing, Kelu Yan, Gang Sun. Anti-wrinkle and UV protective performance of cotton fabrics finished with 5-(carbonyloxy succinic)-benzene-1,2,4-tricarboxylic acid, *Carbohydrate Polymers,* 154 (2016) 313–319

**2016** Huan Qi, Cunyi Zhao, Feng-ling Qing, Kelu Yan, and Gang Sun, Anti wrinkle Finishing of Cotton Fabrics with 5-(Carbonyloxy succinic)-benzene-1,2,4-tricarboxylic Acid: Comparison with Other Acids, *Industrial and Engineering Chemistry Research,* *55* (46), pp 11850–11856

**2017** Yang Si, Andrea Cossu, Nitin Nitin, Yue Ma, Cunyi Zhao, Bor-sen Chiou, Trung Cao, Dong Wang, Gang Sun, Mechanically Robust and Transparent N-Halamine Grafted PVA-co-PE Films with Renewable Antimicrobial Activity, *Macromol. Biosci*. 2017, 17, 1600304.

**2017** Peixin Tang and Gang Sun, Generation of hydroxyl radicals and effective whitening of cotton fabrics by H2O2 under UVB irradiation, *Carbohydrate Polymers,* Volume 160, 15 March Pages 153–162

**2017** Maryam Tamizifar and Gang Sun, Control of surface radical graft polymerization on polyester fibers by using Hansen solubility parameters as a measurement of the affinity of chemicals to materials, *RSC Advances*, 2017, 7, 13299.

**2017** Yang Si, Jiaying Li, Cunyi Zhao, Yue Deng, Yue Ma, Dong Wang, Gang Sun, Biocidal and Rechargeable *N*-Halamine Nanofibrous Membranes for Highly Efficient Water Disinfection, *ACS Biomater. Sci. Eng*., 2017, *3* (5), pp 854–862

**2017** Jiwei Li, Yang Si, Cunyi Zhao , Jinmei He, Gang Sun, Yudong Huang, Spontaneous and efficient adsorption of lysozyme from aqueous solutions by naturally polyanion gel beads, Materials Science and Engineering C 76 (2017) 130–138

**2017** Ravandi Hosseini, Ning Pan, Frank Ko, Dynamic mechanical relaxations of electrospun poly(acrylonitrile-co-methyl acrylate) nanofibrous yarn, *Textile Research Journal*, DOI: 10.1177/0040517516665265.

**2017** Xinting He, Yangyu Guo, Min Li, Ning Pan, Moran Wang, Effective gas diffusion coefficient in fibrous materials by mesoscopic modeling, *International Journal of Heat and Mass Transfer*, 107 736–746.

**2017** Ge Wu, Duan Li, Pengpeng Hu, Yueqi Zhong and Ning Pan, Foot shape prediction using elliptical Fourier analysis, *Textile Research Journal*, DOI: 10.1177/0040517517693983.

**2017** Zhang, S., Lum, C. & Pan, N., Enhanced performance of carbon/carbon supercapacitors upon graphene addition, *Nanotechnol. Environ. Eng.*, 2: 9. doi:10.1007/s41204-017-0020-0.