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## 夏磊

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### 个人简介

夏磊，男，中共党员，副教授。2010年毕业于天津工业大学。主要从事规模化纳微米纤维的制备及改性研究。近年来主持或参与国家级、省部级和横向合作项目10余项，发表论文20余篇，授权发明专利5项。获省部级科技进步一等奖1项，二等奖一项。

研究方向：

闪蒸纺纳微纤维无纺布制备及性能研究

离心纺纳米纤维制备与应用

教学课程:

《非织造粘合剂与助剂》

《非织造实验》

《非织造认知实习》

获奖情况:

中国纺织工业联合会科技进步一等奖 (2015)

天津市科技进步二等奖 (2016)

发表文章:

1. Xia Lei, Ju Jing-ge, Xu Wei. Preparation and characterization of hollow  $\text{Fe}_2\text{O}_3$  ultra-fine fibers by centrifugal spinning, *Materials & Design*, 2016(96):439~445.
2. Xia Lei, Xi Peng, Cheng BoWen, High efficiency fabrication of ultrahigh molecular weight polyethylene submicron filaments/sheets by flash-spinning, *Journal of Polymer Engineering*, 2016(36):97~102.
3. Xu Wei, Xia Lei, Ju, Jing-ge, Xi Peng, Cheng Bowen, Liang Yuxia. Preparation and low-temperature gas-sensing properties of  $\text{SnO}_2$  ultra-fine fibers fabricated by a centrifugal spinning process, *Journal of Sol-Gel Science and Technology*, 2016(78):353~364.
4. Lian Yu-Xia, Xia Lei, Differences of integral-type operators from weighted Bergman spaces to Bloch spaces of the

unit ball, *Complex Variables and Elliptic Equations*, 2016(61):388~404.

5. Xu Wei, Xia Lei, Zhou Xinghai, Xi Peng, Cheng Bowen, Liang Yu-xia, Hollow carbon microfibres fabricated using coaxial centrifugal spinning, *Micro & Nano Letters*, 2016(11):74~76

6. Xu Wei, Xia Lei, Xi Peng, Cheng Bowen. Influence of spinning and pre-oxidation conditions on PAN-based carbon nanofibers fabricated by centrifugal spinning, *Journal of Textile Research*, 2016(37):7-12.

7. Lei Xia, Peng Xi, Bowen Cheng, A comparative study of UHMWPE fibers prepared by flash-spinning and gel-spinning, *Materials Letters*, 2015(147):79~81.

8. Lei Xia, Synthesis, characterization, and luminescence properties of a multi-benzoic acid rare earth complex applied to fluorescence nanometer and micrometer fiber, *Journal of Donghua University*, 2014(31):240~243.

9. Lei Xia, Peng Xi, Bowen Cheng, Study of Irradiation Hydrophilic Modification of polypropylene Meltblown Nonwovens, *Advanced Materials Research*, 2013(627):348~352.

10. Lei Xia, Peng Xi, Bowen Cheng, The Influence of Acrylic Acid Irradiation Grafting to the Hydrophilicity of Polypropylene Spunbonded Nonwovens, *Advanced Materials Research*, 2013(627):125~129.