

# CURRICULUM VITAE (CV)

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## Personal Data

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## Work Experiment and Education

- Oct.2014- , School of textile and Material Engineering, Dalian Polytechnic University

**Lecturer**

- June.2012-Sep.2014, Department of Biological Chemistry, Sinopec Fushun Research Institute of Petroleum and Petrochemicals

**Research Fellow**

- Sep. 2007-June.2012, College of Polymer Sci.& Eng., Sichuan University

**PHD Degree of Materials (polymer) Processing Engineering**

- Oct. 2010-Oct.2011, Department of Chemistry, Stony Brook University

**Visiting Scholar**

- Sep.2003-Jul.2007, School of Material Sci.& Eng., Zhengzhou University

**Bachelor Degree of Engineering in Polymer Materials. Sci. & Eng.**

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## Research Funding

- (1) National Natural Science Foundation of China (No. 50503023);
- (2) Opening Project of State Key Laboratory of Polymer Materials Engineering (Sichuan University)(Grant NO. sklpme 2014-4-28);
- (3) Key Natural Science Foundation of Liaoning Province (No. 20170520305)

And other cooperative research projects with companies (not referred here)

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## Research Interests

Morphology, structure, and properties of polymers;

Manipulation of morphology and structure of polymers during processing;

Material development of 3D printing.

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## Publications

- [1] **Yan Wang**, Jian Zhao, Minjie Qu, Jing Guo, Shu-Gui Yang, Jun Lei, Jia-Zhuang Xu\*, Yan-Hui Chen, Zhong-Ming Li\*, Benjamin S. Hsiao, An unusual promotion of  $\gamma$ -crystals in metallocene-made isotactic polypropylene from orientational relaxation and favorable temperature window induced by shear, *Polymer*, Available online.
- [2] Jian Zhao, Hengyang Li, **Yan Wang**, Na Feng, Minjie Qu, Lihao Wu, Mathematical Modeling for Mechanical Properties of Polyvinylchloride Ternary Composites, *Polymer Engineering and Science*, 56(10):1109~1117, 2016
- [3] **Yan Wang**, Jia-Zhuang Xu, Yan-Hui Chen, Kai Qiao, Ling Xu, Xu Ji, Zhong-Ming Li\*, Benjamin S. Hsiao\*. Crystalline Structure Changes in Pre-Oriented Metallocene-Based Isotactic Polypropylene upon Annealing. *Journal of Physical Chemistry B*, 2013,117: 7113,
- [4] **Yan Wang**, Chen Chen, Jia-Zhuang Xu, Jun Lei, Yimin Mao, Zhong-Ming Li\*, Benjamin S. Hsiao\*. Suppressing of  $\gamma$ -Crystal Formation in Metallocene-Based Isotactic Polypropylene during Isothermal Crystallization under Shear Flow. *Journal of Physical Chemistry B*, 2012, 116: 5056
- [5] **Yan Wang**, Ji-Lin Pan, Yimin Mao, Zhong-Ming Li\*, Liangbin Li, Benjamin S. Hsiao\*. Spatial Distribution of  $\gamma$ -Crystals in Metallocene-Made Isotactic Polypropylene Crystallized under Combined Thermal and Flow fields. *The Journal of Physical Chemistry B*, 2010, 114: 6806
- [6] Hu Tang, Jing-Bin Chen, **Yan Wang**, Jia-Zhuang Xu, Benjamin S. Hsiao, Gan-Ji Zhong\*, Zhong-Ming Li\*. Shear Flow and Carbon Nanotubes Synergistically Induced Nonisothermal Crystallization of Poly(lactic acid) and Its Application in Injection Molding. *Biomacromolecules*, 13: 3858, 2012
- [7] Huan Pang, Gan-Ji Zhong, **Yan Wang**, Jia-Zhuang Xu, Zhong-Ming Li, Jun

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- Lei, Chen Chen\*, Xu Ji\*. In-situ Synchrotron X-ray Scattering Study on Isothermal Crystallization of Ethylene-vinyl Acetate Copolymers Containing a High Weight Fraction of Carbon Nanotubes and Graphene Nanosheets. *Journal of Polymer Research*, 2012, 19: 9837
- [8] Jia-Zhuang Xu, Chen Chen, **Yan Wang**, Hu Tang, Zhong-Ming Li\*, and Benjamin S\*. Hsiao. Graphene Nanosheets and Shear Flow Induced Crystallization in Isotactic Polypropylene Nanocomposites. *Macromolecules*, 2011, 44: 2808
- [9] Yan-Hui Chen, Gan-Ji Zhong, **Yan Wang**, Zhong-Ming Li\*, Liang-Bin Li. Unusual Tuning of Mechanical Properties of Isotactic Polypropylene Using Counteraction of Shear Flow and Beta-nucleating Agent on  $\beta$ -form Nucleation. *Macromolecules*, 2009, 42: 4343
- [10] Shu-Gui Yang, Zhengchi Zhang, Dong Zhou, **Yan Wang**, Jun Lei,\* Liangbin Li, Zhong-Ming Li\*. Flow and Pressure Jointly Induced Ultrahigh Melting Temperature Spherulites with Oriented Thick Lamellae in Isotactic Polypropylene. *Macromolecules*, 2015, 48: 5834
- [11] Shu-Gui Yang, Zhengchi Zhang, Liang-Qing Zhang, Dong Zhou, **Yan Wang**, Jun Lei,\* Liangbin Li, Zhong-Ming Li\*. Unexpected Shear Dependence of Pressure Induced  $\gamma$ -crystals in Isotactic Polypropylene. *Polymer Chemistry*, 2015, 6:4588

And other Chinese articles (not referred here)