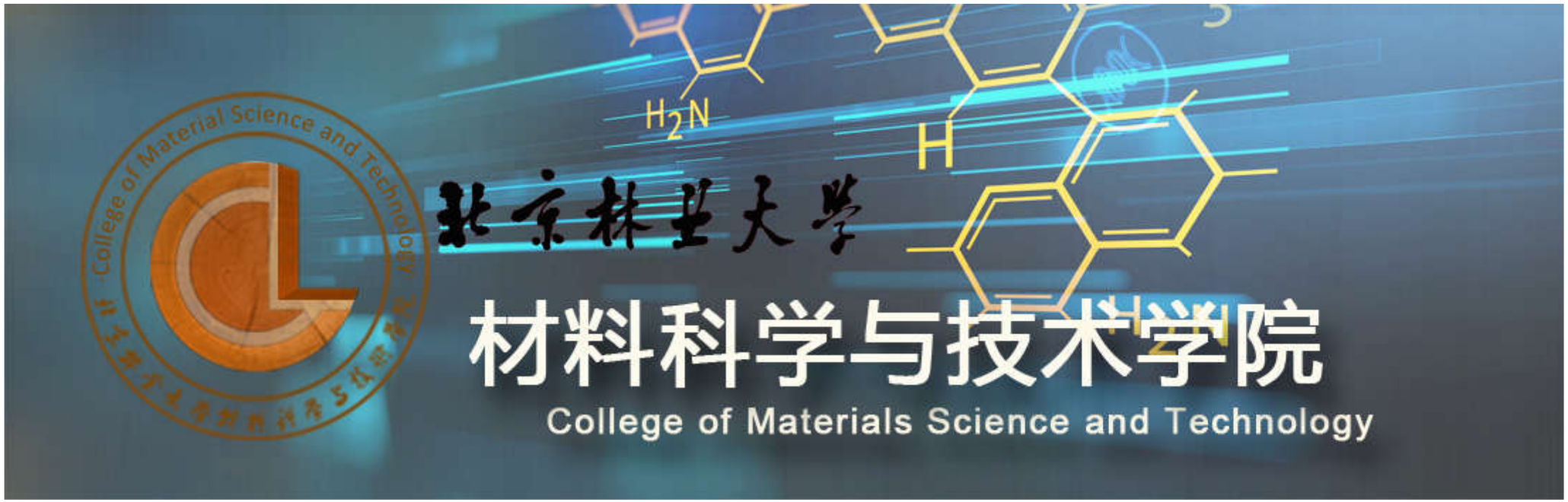
北京林业大学
材料科学与技术学院
College of Materials Science and Technology

李建章

教授
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李建章　教授、博士生导师

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研究方向：木材胶黏剂与复合材料

详细资料

教育/工作经历

2001.09-至今 北京林业大学材料科学与技术学院副教授、教授、博士生导师

1996.10-2001.09 日本岛根大学/鸟取大学，获硕士/博士学位

1988.07-1996.10 北京林业大学木材科学与工程系讲师

1984.09-1988.07 天津大学高分子化工专业

主讲课程

《胶黏剂与涂料》、《高分子概论》、《木质复合材料与胶黏剂》

科研工作及成果

从事环保型木材胶黏剂、环保型木质复合材料研究工作，主持完成及在研国家重点研发计划、科技支撑计划、林业公益性科研专项（重大）、国家自然科学基金、教育部“优秀青年教师资助计划”等课

题20多项；获国家发明专利授权40余件；发表论文220多篇，其中SCI收录113篇。第一完成人获得国家技术发明二等奖、北京市科学技术三等奖、北京市首届发明专利三等奖，第二、第三完成人获得省部级科技进步奖一等奖、二等奖，等。培养研究生40多名。

奖励及荣誉称号

（1）教育部“长江学者奖励计划”特聘教授

（2）国家百千万人才工程人选

（3）有突出贡献中青年专家

（4）海峡两岸林业敬业奖励基金获得者

（5）北京市高校优秀共产党员

（6）宝钢优秀教师奖

（7）首都教育先锋科技创新先进个人

学术/社会兼职

（1）中国林学会木材工业分会副理事长

（2）中国复合材料学会天然纤维复合材料专业委员会副主任委员

（3）中国林产工业协会专家咨询委员会专家

（4）《林业工程学报》副主编

（5）《北京林业大学学报》编委

学术成果展示（不超30个）

1. Cheng Yuan, Mingsong Chen,Jing Luo,Qiang Gao,Jianzhang Li.A novel water-based process produces eco-friendly bio-adhesive made from green cross-linked soybean soluble polysaccharide and soy protein. **Carbohydrate Polymers**,2017.

2. Xu FJ, Dong YM, Zhang W, Zhang SF, Li L, Li JZ. Preparation of cross-linked soy protein isolate-based environmentally-friendly films enhanced by PTGE and PAM. **Industrial Crops and Products** 2015;67:373?380.

3. Hongyan Li, Congcong Li, Derong Zhang, Shifeng Zhang, and Jianzhang Li. Properties of soybean-flour-based adhesives enhanced by attapulgite and glycerol polyglycidyl ether. **Industrial Crops and Products**. 2014, 59 (8):35-40.

4. Ying Li, Hui Chen, Kuang Li, Li Li, Jianzhang Li. Carbon nanoparticles/soy protein isolate biocomposite films. **Industrial Crops and Products**. 2016

5. Hui Chen, Qiang Gao, Jianzhang Li, Jin-Ming Lin. Graphene materials-based chemiluminescence for sensing. **Journal of Photochemistry & Photobiology, C**. 2016

6. Zhong Wang,Haijiao Kang,Wei Zhang,Shifeng Zhang,Jianzhang Li.Improvement of interfacial interactions using natural polyphenol-inspired tannic acid-coated nanoclay enhancement of soy protein isolate biofilms. **Applied Surface Science**, 2017

7. Chen H, Lin L, Li HF, Li JZ, Lin JM. Aggregation-induced structure transition of protein-stabilized zinc/copper nanoclusters for amplified chemiluminescence. **ACS Nano** 2015;9(2):2173?2183.

8. Zhang SF, Xia CL, Dong YM, Yan Y, Li JZ, Shi SQ. Soy protein isolate-based films reinforced by surface modified cellulose nanocrystal. **Industrial Crops and Products**.2016.

9. Luo J, Luo JL, Gao Q, Li JZ. Effects of heat treatment on wet shear strength of plywood bonded with soybean meal-based adhesive. **Industrial Crops and Products** 2015;63:281?286.

10. Yutao Yan. Hassan Amer. Thomas Rosenau . Cordt Zollfrank .Jo¨rg Do¨rrstein . Cornelia Jobst . Tanja Zimmermann. Jozef Keckes. Stefan Veigel. Wolfgang Gindl-Altmutter. Jianzhang Li. Dry, hydrophobic microfibrillated cellulose powder obtained in a simple procedure using alkyl ketene dimer. **Cellulose**.2016

11. Li JJ, Luo J, Li XN Yi Z, Gao Q, Li JZ. Soybean meal-based wood adhesive enhanced by ethylene glycol diglycidyl ether and diethylenetriamine. **Industrial Crops and Products** 2015;74: 613?618.

12. Youming Dong, Kaili Wang, Yutao Yan, Shifeng Zhang, and Jianzhang Li. Grafting polyethylene glycol dicrylate (PEGDA) to wood cell walls in two steps for improving dimensional stability and durability of wood polymer composites. **Holzforschung**,2016

13. Dong YM, Yan YT, Zhang Y, Zhang SF, Li JZ.Combined treatment for conversion of fast-growing poplar wood to magnetic wood with high dimensional stability. **Wood Science and Technology**. 2016

14. Wang W, Zhang W, Chen H, Zhang SF, Li JZ. Synergistic effect of synthetic zeolites on flame-retardant wood-flour/polypropylene composites. **Construction and Building Materials** 2015;79:337?344.

15. Yizhao, zhangwei, lijianzhang. Preparation of tannin-formaldehyde-furfural resin with pretreatment of depolymerization of condensed tannin and ring opening of furfural. **JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY.**2016,

16. Yi Z, Li C, Jiang JX, Zhang JZ, Zhang W, Li JZ. Pyrolysis kinetics of tannin-phenol-formaldehyde resin by non-isothermal thermogravimetry analysis. **Journal of Thermal Analysis and Calorimetry** 2015;121(2):867?876.

17. Jianlin Luo, Jing Luo, Xiaona Li, Qiang Gao, and Jianzhang Li. Effects of polyisocyanate on properties and pot life of epoxy resin cross-linked soybean meal-based bioadhesive. **Journal of applied polymer science**. 2016

18. Xiaorong Liu,Ruyuan Song,Wei Zhang,Shifeng Zhang,Jianzhang Li.Development of Eco-friendly Soy Protein Isolate Films with High Mechanical Properties through HNTs, PVA, and PTGE Synergism Effect. **Scientific Reports** ,2017

19. Youming Dong, Yutao Yan, Huandi Ma, Shifeng Zhang, Jianzhang Li, Changlei Xia, Sheldon Q. Shi, Liping Cai. In-situ chemosynthesis of ZnO nanoparticles to endow wood with antibacterial and UV-resistance properties. **Journal of Materials Science & Technology**. 2016.

20. Jianlin Luo · Jing Luo · Xiaona Li · Qiang Gao · Jianzhang Li. Toughening improvement to a soybean meal-based bioadhesive using an interpenetrating acrylic emulsion network. **Journal of Materials Science**. 2016 ·

21. Shen XY, Huo F, Kang HJ, Zhang SF, Li JZ, Zhang WQ. Modification of block copolymer vesicles: What will happen when AB diblock copolymer is block-extended to ABC triblock terpolymer? **Polymer Chemistry** 2015;6:3407?3414.

22. Haijiao Kang · Xiangshuo Song · Zhong Wang · Wei Zhang ·Shifeng Zhang · Jianzhang Li. High-Performance and Fully Renewable Soy Protein Isolate-based Film from Microcrystalline Cellulose via Bio-Inspired Poly(Dopamine) Surface Modification. **ACS Sustainable Chemistry & Engineering**. 2016

23. Haijiao Kang · Zhong Wang · Wei Zhang · Jianzhang Li · Shifeng Zhang*. Physico-chemical properties improvement of soy protein isolate films through caffeic acid incorporation and tri-functional aziridine hybridization. **Food Hydrocolloids,** 2016

24. Kang HJ, Su Y, He X, Zhang SF, Li JZ, Zhang WQ.In situ synthesis of ABA triblock copolymer nanoparticles by seeded RAFT polymerization: Effect of the chain length of the third A block on the triblock copolymer morphology. **Journal of Polymer Science Part A: Polymer Chemistry** 2015;53:1777?1784.

25. Kang HJ, Song ZF, Shen XY, Zhang SF, Li JZ, Zhang WQ. Reversible complexation/disassembly of thermo-responsive vesicles and nanospheres of diblock copolymers synthesized by dispersion RAFT polymerization. P**olymer** 2015;66:8?15.