

刘文博

工学博士

教授；博士生导师

+86-451-86403189

liuwenbo@hit.edu.cn

主要研究方向

树脂基纤维复合材料设计与制备技术及其结构性能表征、演化与评价。

社会兼职

黑龙江省复合材料学会理事；

哈尔滨市复合材料协会理事。

主要学术成果

1. **Liu WB**, Wang RG, Zhang HT, Jia J, Jiao WC, Xie HQ. Studies on Interfacial Structures and High Temperature Mechanical Properties of CF/PPEK and CF/PPES Composites. *Composite Interfaces*. 2004, 11(7):441-452.
2. R.G. Wang, **W.B. Liu**, H.Y. Li et al. Preparation and Characterization of Properties of Microcapsules for Polymeric Composites Self-repairing. *Key Engineering Materials*. 2007, (334~335): 569-572.
3. R.G. Wang, **W.B. Liu**, F.H. Zhang et al. Dispersibility and Degradation Properties Characterization of Nano Titanium Dioxide Photocatalysis Material. *Key Engineering Materials*. 2007, (334~335): 565-568.
4. XD He, FH Zhang, RG Wang, **WB Liu**. Preparation of a carbon nanotube/carbon fiber multi-scale reinforcement by grafting multi-walled carbon nanotubes onto the fibers. *Carbon*. 2007,45(13):2559-2563.
5. Rongguo Wang, **Wenbo Liu** et al. Study on Adhesion Properties of Adhesive Materials Used for Carbon Fiber Reinforced Concrete Structure. *Composites in Construction 2005 Third International Conference*. 2005: 789-792.
6. Li HY *, Wang RG, Hu HL, **Liu WB**. Surface modification of self-healing poly(urea-formaldehyde) microcapsules using silane-coupling agent. *APPLIED SURFACE SCIENCE*. 2008,255(5):1894-1900.
7. Wang R.G. ; Li HY;Hu H.L.;He X.D.;Liu W.B. Preparation and Characterization of Self-Healing Microcapsules with Poly(urea-formaldehyde) Grafted Epoxy Functional Group Shell. *JOURNAL OF APPLIED POLYMER SCIENCE*. 2009,113(3):1501-1506.
8. **刘文博**,王荣国,矫维成,江龙. CF/PPEK 复合材料界面结构与性能研究. *复合材料学报*. 2008, 25(4): 45-50.
9. **刘文博**,张洪涛,王荣国,矫维成.有限元法计算 CF/PPEK 热塑性复合材料有效弹性模量. *哈尔滨工业大学学报*. 2006, 38(4): 535-537.
10. **刘文博**,王荣国,谢怀勤,贾近. 碳纤维增强杂萘联苯聚醚酮或杂萘联苯聚醚砜复合材料. 发明专利:ZL200410044114.2.
11. 赫晓东,王荣国, **刘文博**. 碳纤维复合材料高压气瓶. 发明专利:ZL200510010152.0.
12. 赫晓东,王荣国, **刘文博**. 大尺寸、超薄金属内衬的复合材料压力容器及其制造方法. 发明专利:ZL200510010151.6.
13. 刘瑞堂, **刘文博**,刘锦云. 工程材料力学性能. 2001, 哈尔滨工业大学出版社.
14. 获得国防技术发明二等奖 1 项、黑龙江省科技进步三等奖 2 项、哈尔滨市科技进步二等奖 1 项。