

## 网站栏目

- 团队新闻
- 学术活动
- 论文发表

## 团队研究方向

结构完整性理论  
先进连接/表面技术  
微(小)化学机械系统  
化学-机械力学行为  
后续能源与传感技术  
结构完整性监测技术  
材料细观设计理论

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姓名

密码

## 站内检索

## 站内链接

- 研究生园地
- 博士后科研流动站
- 教育部重点实验室
- 化工机械研究所

## 友情链接

- 华东理工大学
- 图书馆
- 机械与动力工程学院
- 中国结构完整性联盟

## Publications in 2013

- Wang HT, Wang GZ, Xuan FZ, Tu ST. Fracture mechanism of a dissimilar metal welded joint in nuclear power plant. *Engineering Failure Analysis* 2013; 28():134-148.
- Wang HT, Wang GZ, Xuan FZ, Tu ST. An experimental investigation of local fracture resistance and crack growth paths in a dissimilar metal welded joint. *Materials and Design* 2013; 44():179-189.
- Chen LY, Wang GZ, Tan JP, Xuan FZ, Tu ST. Effects of residual stress on creep damage and crack initiation in notched CT specimens of a Cr-Mo-V steel. *Engineering Fracture Mechanics* 2013; 97():80-91.
- Gong N, Wang GZ, Xuan FZ, Tu ST. Leak-before-break analysis of a dissimilar metal welded joint for connecting pipe-nozzle in nuclear power plants. *Nuclear Engineering and Design* 2013; 255():1-8.
- Guo SJ, Kang GZ, Zhang J. A cyclic visco-plastic constitutive model for time-dependent ratchetting of particle-reinforced metal matrix composites. *International Journal of Plasticity* 2013; 40():101-125.
- J.P. Tan, G.Z. Wang, F.Z. Xuan, S.T. Tu. An experimental investigation of local fracture resistance and crack growth paths in a dissimilar metal welded joint. *Engineering Fracture Mechanics* 2013; ():.
- H.T. Wang, G.Z. Wang, F.Z. Xuan, C.J. Liu, S.T. Tu. Local mechanical properties of a dissimilar metal welded joint in nuclear power systems. *Material Science and Engineering A* 2013; 568():108-117.
- Guo-Yan Zhou, Fakun Zhuang, Shan-Tung Tu, Fu-Zhen Xuan, Zhengdong Wang. Determination of creep parameters from three-point bending test with C-shape specimen. *International Journal of Pressure Vessels and Piping* 2013; ():1-4.
- Eung-Kyu Park, Honghong Fu, Mijung Choi, Weiling Luan, Yong-Sang Kim. Effects of Ligand-exchanged Cadmium Selenide Nanoparticles on the Performance of P3HT:PCBM:CdSe Ternary System Solar Cells. *Bull. Korean Chem. Soc.* 2013; 34(8):2321-2324.
- Guo-Yan Zhou, En Wu, Shan-Tung Tu. Optimum selection of compact heat exchangers using non-structural fuzzy decision method. *Applied Energy* 2013; ():1-9.
- Ning Wang, Shan-Tung Tu, Fu-Zhen Xuan. A novel prediction method of creep rupture life of 9-12% chromium ferritic steel based on abductive network. *Engineering Failure Analysis* 2013; 31():302-310.
- Xiang-hui Tan, Dong-sheng Zhu, Guo-yan Zhou, Liu Yang. 3D numerical simulation on the shell side heat transfer and pressure drop performances of twisted oval tube heat exchanger. *International Journal of Heat and Mass Transfer* 2013; 65():244-253.
- Xinhai Yu, Wei Yu, Hongliang Li, Shan-Tung Tu, Yi-Fan Han. Preparation, characterization and application of K-PtCo/Al<sub>2</sub>O<sub>3</sub> catalyst coatings for preferential CO oxidation. *Applied Catalysis B: Environmental* 2013; 140-141():588-597.