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个人简介		
05/2015 - 至今 上海大学 材料基因组工程研究院 讲师/副研究员 07/2012 - 04/2014 香港科技大学 机械与航空工程系 研究助理 09/2011 - 04/2015 河海大学 力学与材料学院 讲师 08/2008 - 08/2011 香港科技大学 博士学位 09/2001 - 04/2008 南京航空航天大学 学士/硕士学位		
研究方向		
1. 储能设备与电化学腐蚀中，材料及材料界面性质的跨尺度模拟计算和理论建模研究（第一性原理计算/分子动力学模拟/连续介质力学和热力学建模） 2. 力学信息学（基于人工智能方法的力学建模） (欢迎具有力学和材料背景的考生报考!)		
代表性成果		
工作研究项目： 材料环境失效过程的高通量计算模拟与高通量实验技术，国家重点研发计划，（骨干参与人员，2017-2021） 跨尺度高通量自动化流程功能材料集成计算算法与软件，国家重点研发计划，（骨干参与人员，2017-2021） 表面应力对纳尺度电极影响的跨尺度模拟和理论研究，国家自然科学基金面上项目，（2017-2020） 囊泡电穿孔和电融合的计算机模拟研究，国家自然科学基金青年基金项目，（2013-2015，已结题）		
代表性论文： 13. Sheng Sun , Liuyan Chen, Hongliang Sun, Tong-Yi Zhang, Adsorption and charge transfer of Lithium at electrified graphene/electrolyte interface. <i>Electrochim. Acta.</i> 259:1089-1094, 2018, DOI: 10.1016/j.electacta.2017.11.017 12. Xu-Sheng Yang, Sheng Sun (共同一作), Hai-Hui Ruan, San-Qiang Shi, Tong-Yi Zhang, Shear and shuffling accomplishing polymorphic fcc $\gamma \rightarrow$ hcp $\epsilon \rightarrow$ bct α martensitic phase transformation. <i>Acta Materialia</i> 136:347-354, 2017. DOI: 10.1016/j.actamat.2017.07.016 11. Kaikai Li, Xiaoye Zhou, Anmin Nie, Sheng Sun , Yan-Bing He, Wei Ren, Baohua Li, Feiyu Kang, Jang-Kyo Kim, Tong-Yi Zhang, Discovering A First-order Phase Transition in Li-CeO ₂ System. <i>Nano Letters</i> . 17:1282-1288, 2017. DOI: 10.1021/acs.nanolett.6b05126 10. Sheng Sun , Tong-Yi Zhang, Charge- and thickness-dependent inplane deformation of multilayer graphene thin films. <i>Physical Chemistry Chemical Physics</i> . 18:3694-3699, 2016.		

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