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RESEARCH INTEREST

Design and modification of Environmental functional materials,

Electrocatalysis and other Pollution control technologies

Molecular simulation

EDUCATION

2008.09-2013.09 Zhejiang University, China Ph.D in Environmental Engineering

Thesis: Preparation and modification of nanotubes based sorbents for CO₂ capture

2004. 09-2008.07 Haerbin University of Science and Technology, China B.S. in Environmental Engineering

WORKING EXPERIENCES

2013.09- Chengdu University of Information Technology, Lecturer

ACTIVITIES & TRAINING EXPERIENCES

2015.07 15th National Youth Conference on Catalysis

2014. 04 18th National seminar about the treatment technology on SO₂, NO_x, Hg and fine particles

2012.10 National training classes on catalytic characterization technique

2011.11 18th National conference on atmospheric environmental science and technology

2010.11 Cluster maintenance and management training by Shanghai supercomputer center

2009.10 16th National conference on atmospheric environmental science and technology

2009.08 Summer class on computational physics/chemistry by Tsinghua University

SKILLS

Mass transfer and reaction mechanisms in adsorption/catalysis,

Air pollution control technology,

Characterization techniques, like GC-MS, TP, TG-DSC, BET-BJH, in-situ FTIR and so on,

IMPORTANT PUBLICATIONS as the first or corresponding author

1. Li Li, Nian Tang, Yaxue Wang, Wanglai Cen, **Jie Liu**^{*}, Yongyan Zhou, Investigation of hexagonal mesoporous silica-supported composites for trace moisture adsorption, *Nanoscale Research Letters*, 2015, 10: 445-451
 2. **Jie Liu**, Dandan Cheng, Yue Liu^{*}, Zhongbiao Wu, Adsorptive removal of carbon dioxide using polyethyleneimine supported on propanesulfonic-acid-functionalized mesoporous SBA-15, *Energy & Fuels*, 2013, 27: 5416-5422
 3. Yue Liu[#], **Jie Liu**[#], Weiyuan Yao, Wanglai Cen, Haiqiang Wang, Xiaole Weng, Zhongbiao Wu^{*}, The effects of surface acidity on CO₂ adsorption over amine functionalized protonated titanate nanotubes, *RSC Advances*, 2013, 3: 18803-18810
 4. **Jie Liu**, Yue Liu, Zhongbiao Wu^{*}, Xiongbo Chen, Haiqiang Wang, Xiaole Weng, Polyethyleneimine functionalized protonated titanate nanotubes as superior carbon dioxide adsorbents, *Journal of Colloid and Interface Science*, 2012, 386(1): 392-397
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