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中国计量学院硕士生导师信息表

基本信息

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职称:	副教授	一级学科:	数学	二级学科:	应用数学
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在研课题

1. 基于分形理论的肺器官非线性气体渗流特性的细观研究, 国家自然科学基金青年基金, 25万, 2013.1-2015.12
2. 支气管分叉网络中颗粒多相流的输运特性研究, 浙江省自然科学基金一般项目, 8万, 2011.1-2012.12
3. 分形微通道网络的传热机理研究, 浙江省钱江人才计划B类, 10万, 2011.7-2013.7

获奖情况

1. 湖北省优秀博士论文(2010)
2. 2010年度高等学校科学研究优秀成果奖(自然科学二等奖, 第二完成人, 2010-095)
3. 2011年度湖北省自然科学三等奖(第二完成人)

近期发表的主要成果

1. Peng Xu, Boming Yu, Xianwu Qiao, Shuxia Qiu, Zhouting Jiang, Radial permeability of fractured porous media by Monte Carlo simulations, International Journal of Heat and Mass Transfer, 57 (2013) 369-374 (SCI)
2. Peng Xu, Shuxia Qiu, Mingzhou Yu, Xianwu Qiao, A.S. Mujumdar, A Study on the Heat and Mass Transfer Properties Multiple Pulsating Impinging Jets, International Communications in Heat and Mass Transfer, 39 (2012) 378-382. (SCI)
3. Peng Xu, Ming-Zhou Yu, Shu-Xia Qiu, Bo-Ming Yu, Monte Carlo simulation of a two-phase flow in an unsaturated porous media, Thermal Science, 16 (2012) 1382-1385. (SCI)
4. Peng Xu, Boming Yu, Shuxia Qiu, H.J. Poh, A.S. Mujumdar, Turbulent impinging jet heat transfer enhancement due to intermittent pulsation, International Journal of Thermal Science, 49 (2010) 1247-125. (SCI)
5. Peng Xu, A.S. Mujumdar, H.J. Poh, Boming Yu, Heat transfer under a pulsed slot turbulent impinging jet at large temperature differences, Thermal Science, 14 (2010) 271-281. (SCI)

6. Peng Xu, Shuxia Qiu, Zhouting Jiang, Ying Jiang, Fractal analysis of Kozeny-Carman constant in the homogenous porous media, Journal of Chongqing University 34 (2011) 78-82. (EI)
7. Peng Xu, Boming Yu, Shuxia Qiu, Plane-radial seepage flow in fractured porous media, Huazhong Keji Daxue Xuebao (Ziran Kexue Ban) 40 (2012) 100-103. (EI)
8. Shuxia Qiu, Peng Xu*, Zhouting Jiang, and Arun S. Mujumdar, Numerical modeling of pulsed laminar opposed impinging jets, Engineering Applications of Computational Fluid Mechanics, 6 (2012) 195-202. (SCI)
9. Ying Jiang, Peng Xu*, Arun S. Mujumdar, Shuxia Qiu and Zhouting Jiang, A numerical study on the convective heat transfer characteristics of pulsed impingement drying, Drying Technology, 30 (2012) 1056-1061. (SCI)
10. Shuxia Qiu, Peng Xu*, Xianwu Qiao, Arun S. Mujumdar, Flow and mixing characteristics of pulsed confined opposed jets in turbulent flow regime, Heat and Mass Transfer, 49 (2013) 277-284 (SCI)
11. Xiangqi-Wang, Peng Xu, Arun S. Mujumdar, Christopher Yap, Flow and thermal characteristics of offset branching network, International Journal of Thermal Science 49 (2010) 272-280. (SCI)
12. Peng Xu, Arun S. Mujumdar and Boming Yu, Drying-induced cracks in thin film fabricated from colloidal dispersions, Drying Technology 27 (2009) 636-652. (SCI)
13. Peng Xu, Xiangqi Wang, Arun S. Mujumdar and C. Yap, Thermal characteristics of tree-shaped microchannel nets with/without loops, International Journal of Thermal Science 48 (2009) 2139-2147. (SCI)
14. Peng Xu, Arun S. Mujumdar and Boming Yu, Innovative hydrocyclone inlet designs to reduce erosion-induced wear in mineral dewatering processes, Drying Technology 27 (2009) 201-211. (SCI)

主持完成的科研项目

1. 生物分叉网络的输运特性, 国家自然科学基金科学部主任基金, 2010.1-2010.12

个人简历
