



肖维文

浙江大学百人计划研究员/博士生导师

2016- 浙江大学物理学系
2013-2016 博士后, 美国加州大学圣地亚哥分校
2010-2013 研究科学家, 韩国国家聚变研究所
2009-2009 访问学者, 法国原子能署
2008-2008 访问学者, 法国原子能署
2006-2009 核工业西南物理研究院, 博士
2003-2006 核工业西南物理研究院, 硕士
1996-2000 安徽理工大学, 学士



Weiwen Xiao

Professor Weiwen Xiao

2016- Department of Physics, Zhejiang University
2013-2016 Postdoc, UCSD, USA
2010-2013 Research scientist, NFRI, S. Korea
2009-2009 Visiting researcher, CEA, France
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2006-2009 Southwestern Institute of Physics, Ph.D
2003-2006 Southwestern Institute of Physics,
Master of Science
1996-2000 Anhui University of Science & Technology,
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Research Focus

研究领域

- 1、托卡马克等离子体边界物理
- 2、高温等离子体湍流输运
- 3、边缘局域模缓解和控制
- 4、外加三维场诱导的物理机制
- 5、微波诊断实验

1. Edge Plasma Physics in Tokamak
2. High Temperature Plasma Turbulence and Transport
3. Edge Localized Mode Mitigation and Control
4. Physics Mechanism Associated with 3D Resonant Magnetic Perturbation
5. Microwave Diagnostics in Plasmas

Representative Publications

代表出版物

- 1.W.W. Xiao, T.E. Evans, G.R. Tynan and D. Eldon Location of the first plasma response to resonant magnetic perturbations in DIII-D H-mode plasmas Nucl. Fusion (Letter) 56 (2016) 064001
- 2.W.W. Xiao, P.H. Diamond, W.C. Kim, L.H. Yao, S.W. Yoon, X.T. Ding et al., ELM mitigation by supersonic molecular beam injection: KSTAR and HL-2A experiments and theory Nucl. Fusion 54 (2014) 023003 (8pp)
- 3.Fadsfa K. Miki, P. H. Diamond, S. -H. Hahn, W. W. Xiao, O.D. Gurcan, and G.R. Tynan On the Physics of Stimulated L-H transitions Phys. Rev. Lett (2013) 110 195002
- 4.W.W. Xiao, P.H. Diamond, X.L. Zou, J.Q. Dong, X.T. Ding, L.H. Yao et al., ELM Mitigation by Supersonic Molecular Beam Injection into the H-mode Pedestal in HL-2A Tokamak Nuclear Fusion, (2012) 52 114027
- 5.S.D. Song, X.L. Zou, G. Giruzzi, W.W. Xiao, X.T. Ding, B.J. Ding et al., Analysis of electron heat transport with off-axis modulated ECRH in Tore Supra Nucl. Fusion, (2012) 52 033006
- 6.J. Kim, Y.M. Jeon, W.W. Xiao, S.W. Yoon, J.K. Park, G.S. Yun, et al., ELM Control Experiments in the KSTAR Device Nuclear Fusion, (2012) 52 114011
- 7.W.W. Xiao, X.L. Zou, X.T. Ding, L.H. Yao, B.B. Feng, X.M. Song, et al., Observation of Spontaneous Particle Transport Barrier on HL-2A Tokamak Physic Review Letters, (2010) 104 215001

Awards

奖励

- 1、2012 韩国杰出科技论文奖
- 2、2010 胡济民教育科学奖
- 3、2010 蔡诗东等离子体物理学奖
- 4、2006 国防科学技术三等奖

1. 2012 Excellent scientific paper award, Korean Nuclear Society, S. Korea
2. 2010 Hu Ji-Min Education and Science Award, China
3. 2010 S. T. Tsai Award for Young Chinese Plasma Physicists, China
4. 2006 National Defense Science and Technology Award (3rd class, Rank 2nd), China