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讲师

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教育背景

大连理工大学理学博士（2015）
大连理工大学理学硕士（2011）
大连理工大学理学学士（2009）

研究领域

磁约束聚变等离子体不稳定性研究；
霍尔推力器等离子体放电数值模拟研究；
尘埃/复杂等离子体物理研究。

代表性成果

[1] 论文类：

Long Chen, Jinyuan Liu, Guanglan Sun, Ping Duan, and Jizhong Sun. “Modeling of the influences of electron cyclotron current drive on neoclassical tearing modes”, *Phys. Plasmas*, 2015, 22, 052120

[2] **Long Chen**, Jinyuan Liu, Ping Duan, Aohua Mao, and Jizhong Sun. “Numerical study on the influence of electron cyclotron current drive on tearing mode”, *Phys. Plasmas*, 2014, 21, 102106

[3] Jinyuan Liu, **Long Chen***, Aohua Mao, Guanglan Sun and Ping Duan. “Charging, Movement and Lifetime Characteristics of Dust in Magnetic Fusion Devices”, *Vacuum*, 2013, 88, 177-181

[4] Jinyuan Liu, **Long Chen**, Feng Wang, Nan Wang, Duan

- Ping. “Characteristics of charging, motion and temperature of dust particulates in magnetic fusion devices”, *Acta Phys. Sin.* 2010, 59, 8693-8700
- [5] Duan Ping, Zhou Xinwei, Liu Yuan, Cao Anning, Qin Haijuan, **Chen Long**, Yin Yan. “Effects of Magnetic Field and Ion Velocity on SPT plasma Sheath Characteristics”, *Plasma Sci. Tech.*, 2014 16, 161
- [6] Duan Ping, Qin Hai-Juan, Zhou Xin-Wei, Cao An-Ning, **Chen Long** and Gao Hong. “Characteristics of wall sheath and secondary electron emission under different electron temperatures in a Hall thruster”, *Chin. Phys. B*, 2014 23, 075203
- [7] Duan Ping, Li Xi, Shen Hongjuan, **Chen Long**, E Peng. “Characteristics of a Sheath with Secondary Electron Emission in the Double Walls of a Hall Thruster”. *Plasma Sci. Tech.*, 2012 14, 9
- [8] 段萍, 沈鸿娟, 刘金远, 李肸, 鄂鹏, **陈龙**. “霍尔推进器等离子体磁鞘特性”. *推进技术* 2011 32, 800-805
- [9] DUAN Ping, LIU Guangrui, BIAN Xingyu, **CHEN Long***, YIN Yan, CAO Anning. Effect of the Discharge Voltage on the Performance of the Hall Thruster, *Plasma Science and Technology*, 2016, 18:382-387.
- [10] DUAN Ping, BIAN Xingyu, CAO Anning, LIU Guangrui , **CHEN Long***, YIN Yan. Effect of Segmented Electrode Length on the Performances of an Aton-Type Hall Thruster, *Plasma Science and Technology*, 2016, 18:525-530.
- [11] **Long CHEN**, Jinyuan LIU, Ping DUAN*, Guangrui LIU and Xingyu BIAN. Modeling of the influences of multiple modulated electron cyclotron current drive on NTMs in rotating plasma, *Plasma Science and Technology*, 2017, 19, 024002.

著作类:

《计算物理习题指导》（副主编），大连理工大学出版社

代表性项目

(1) 国家自然科学基金青年项目, 11605021, 多空间相位调制电流驱动抑制新经典撕裂模的数值研究, 2017/01-2019/12, 在研, 主持。

(2) 中国博士后科学基金项目, 调制射频波电流驱动对撕裂模极向旋转磁岛影响的研究, 2017M621120, 2017/11-2018/11, 在研, 主持。

