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陈希亮

的个人主页 <http://teacher.nwpu.edu.cn/2021010066>

基本信息 The basic information

姓名: 陈希亮

学院: 自动化学院

学历: 博士研究生毕业

学位: 工学博士

职称: 副教授

职务:

学科: 电气工程-电力电子与电力传动

邮箱: chenxiliang@nwpu.edu.cn



[相册 \(../user/photos/2021010066.html\)](#)

工作经历 Work Experience

2021.04 - 至今 西北工业大学, 自动化学院, 副教授, 硕士生导师 办公室: 自动化学院楼326室

教育经历 Education Experience

2016.03 - 2021.03 西安交通大学 电气工程学院 工学博士

2018.10 - 2019.10 University of Tennessee 国家公派联合培养博士研究生

2014.09 - 2016.03 西安交通大学 电气工程学院 工学硕士

2010.09 - 2014.07 西安交通大学 电气工程学院 工学学士

招生信息 Admission Information

欢迎对电力电子变换器、宽禁带功率半导体器件应用、电机驱动系统控制、电磁兼容感兴趣的同学报考研究生。

固定招收硕士研究生: 2~3名/年

固定指导本科毕业设计: 2~3名/年

固定指导课程设计/科研训练: 2~3名/年

科学研究 Scientific Research

研究方向:

- (1) 电力电子技术领域的电磁兼容性问题;

- (2) 宽禁带功率半导体器件串并联应用;
- (3) 电机驱动系统建模与控制策略研究;
- (4) 航空电源系统电磁干扰建模与抑制技术。

学术成果 Academic Achievements

以第一作者发表学术论文:

- [1] **X. Chen**, W. Chen, X. Yang, Y. Han, X. Hao and T. Xiao, "Research on a 4000-V-Ultrahigh-Input-Switched-Mode Power Supply Using Series-Connected MOSFETs," in IEEE Transactions on Power Electronics, vol. 33, no. 7, pp. 5995-6011, July 2018. DOI: 10.1109/TPEL.2017.2747542. (SCI, 中科院一区, TOP期刊)
- [2] **X. Chen**, W. Chen, X. Yang, Y. Ren and L. Qiao, "Common-Mode EMI Mathematical Modeling Based on Inductive Coupling Theory in a Power Module With Parallel-Connected SiC MOSFETs," in IEEE Transactions on Power Electronics, vol. 36, no. 6, pp. 6644-6661, June 2021. DOI: 10.1109/TPEL.2020.3046658. (SCI, 中科院一区, TOP期刊)
- [3] **X. Chen**, W. Chen, Y. Ren, X. Yang and L. Qiao, "DM Interference Propagation Mathematical Modeling in SiC Wirebond Multichip Power Module," in IEEE Transactions on Circuits and Systems II: Express Briefs, vol. 68, no. 6, pp. 2077-2081, June 2021. DOI: 10.1109/TCSII.2020.3041675. (SCI, 中科院二区)
- [4] **X. Chen**, W. Chen, Y. Han, Y. Sha, X. Yang and X. Li, "Common-mode interference study of an auxiliary power supply based on the serialization of SiC MOSFETs for MMC-HVDC system," 2016 IEEE 8th International Power Electronics and Motion Control Conference (IPEMC-ECCE Asia), Hefei, 2016, pp. 31-36. (EI)
- [5] **X. Chen**, W. Chen, Y. Han, Y. Sha, H. Qi and X. Yang, "Predictive current control method to reduce common-mode interference for three-phase induction motor," 2016IEEE 8th International Power Electronics and Motion Control Conference(IPEMC-ECCE Asia), Hefei, 2016, pp. 2859-2862. (EI)

[6] **X. Chen**, W. Chen, Y. Sha, Z. Zhao, Y. Han and X. Li, "A novel driving method based on the integration of pulse transformer for ultra-high voltage input applications," 2017 IEEE 3rd International Future Energy Electronics Conference and ECCE Asia (IFEEEC 2017 - ECCE Asia), Kaohsiung, 2017, pp. 1846-1849. (EI)

[7] **X. Chen**, W. Chen, Z. Zhao, L. Dai, R. Wang and Y. Yang, "Reduction of common-mode interference under different working modes of induction machine based on improved predictive torque control method," IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society, Beijing, China, 2017, pp. 7034-7039. (EI)

[8] **X. Chen**, W. Chen, "EMI Analysis of Full-SiC Integrated Power Module," The 2018 International Power Electronics Conference (IPEC-ECCE Asia 2018), Niigata, May 20-24. (EI)

[9] **X. Chen**, W. Chen, "An Advanced Design of Power Module with EMI Reduction Method," 2018 10th Annual IEEE Energy Conversion Congress & Exposition (ECCE 2018), Portland, Sept. 23-27. (EI)

以第一作者授权发明专利:

[1] 陈希亮, 陈文洁, 沙意林, 祁鹤媛, 赵子峰. 一种降低逆变感应电机EMI的预测控制算法: 中国, ZL201710035586.9[P]. 2020-05.

社会兼职 Social Appointments

IEEE会员

IEEE Power Electronics Society 会员

中国电源学会会员

IEEE Transactions on Power Electronics、IEEE Transactions on Circuits and Systems II 等SCI索引期刊审稿人

APEC, ECCE等国际顶级会议审稿人

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