

据学校《中国矿业大学高水平成果奖励办法》（中矿大[2021]50号）文件精神 and 《关于开展 2024 年度高水平科研成果统计工作的通知》的要求，坚持公平、公正和公开原则，经个人申请，教授委员会评审，现将学院初评推荐结果予以公示。公示期：2024 年 9 月 8 日-2024 年 9 月 10 日，如有疑义，请实名向科研研究生办公室反映，联系电话：0516-83599938。

电气工程学院
2025 年 9 月 8 日

电气工程学院 2024 年高质量代表作推荐名单

序号	论文名称	发表期刊	发表时间	论文作者	负责人	负责人角色
1	Design, Analysis, and Comparison of a Novel Axial Flux Modular-double-stator Hybrid Excitation SRM	IEEE Transactions on Transportation Electrification	2024.9	Guoping Wang, Hao Chen* , Fengyuan Yu, Wenju Yan, Xing Wang, Mohamed Benbouzid, Adriano de A. Bresolin, Miguel Pablo Aguirre, Hossein Torkaman, Murat Shamiyev, Yokub Tairov, Mohamed Orabi, Mahmoud Abdelwahab Gaafar.	陈昊	通信作者
2	Development and Optimization Design of a Novel Double Stator Doubly Salient Variable Flux Memory Motor	IEEE Transactions on Energy Conversion	2024.1	He Cheng , Fandi Lin, Cheng Peng, Junhang Sun, Jinlong Chu	程鹤	第一及通讯作者
3	Design and Analysis of the Model Predictive Control Implemented by the ANN Technique for MMC-Based Rectifier With Improved Grid Adaptability	IEEE Transactions on Power Electronics	2024.9	公铮,拓平,郑长明,伍小杰	公铮	第一及通讯作者

4	Evaluation and Optimization of DFIG-Based WTs for Constant Inertia as Synchronous Generators	IEEE Transactions on Power Electronics	2024.8	郭祥,原熙博,朱东海,邹旭东,胡家兵	郭祥	第一作者
5	An Improved Virtual-shaft Control Strategy for Speed Synchronization of Dual-SRM Drive	IEEE Transactions on Industrial Electronics	2024.6	Guoqiang Han , Jingwei Hong, Bingnan Chen, Huimin Zhu, Beibei Zhu, Dongsheng Yu	韩国强	第一作者
6	Low/Middle-Frequency Positive External-Damping Design Under Self-Stability Constraint for Inner Control Loop of Grid-Forming Converters	IEEE Transactions on Industrial Electronics	2024.5	Xiaoqiang Li , Chu Chen, Yihe Sun, and Hao Cheng	李小强	第一及通讯作者
7	An Online Unified Delay and Slew Rate Regulation for Current Sharing in Paralleled SiC Power Modules With Active Gate Drivers	IEEE Transactions on Industrial Electronics	2024.9	李炎,原熙博,张永磊,王凯; ,王子豪,Olayiwola Alatise,Wenzhi Zhou	李炎	第一作者
8	煤流-潮流协同的矿山供电系统低碳优化运行	中国电机工程学报	2024.3	梁睿,张鸽,袁乐童,黄宏旭,张小彤,吕超贤,巩敦卫	梁睿	第一及通信作者
9	A Universal Mutual Inductance and Load Identification Methodology for MC-WPT Systems With Arbitrary Topology	IEEE Transactions on Power Electronics	2024.10	Zhi-juan Liao , Bin Gao, Fan Yi, Zhi-Peng Liu, Zhi-Yong Jin, Chen-yang Xia	廖志娟	第一及通讯作者

10	Critical and Parasitic Parameters Identification and Frequency Regulation Strategies for UWPT Systems	IEEE Transactions on Power Electronics	2024.8	刘旭, 鲁大民, 廖志娟, 荣灿灿, 夏晨阳	刘旭	第一作者
11	Optimized Design of Passive Array Coils for High-Efficiency and Anti-Misalignment WPT System	IEEE Transactions on Power Electronics	2024.5	Cancan Rong, Mengmeng Chen, Xiaoyu Duan, Yunhai Liu, Junhao Wu, Yingqin Zeng, Xiangrui He, Zhijuan Liao and Chenyang Xia	荣灿灿	第一及通讯作者
12	Variable Vector Model Predictive Control for Permanent Magnet Synchronous Motors Using a Single DC-Link Current Sensor	IEEE Transactions on Power Electronics	2024.5	田里思, 郭鑫, 刘立伟, 朱硕, 宗耐龙	田里思	第一及通讯作者
13	Broken Rotor Bars Detection in Inverter-Fed Induction Motors Under Continuous Switching of Different Speed Modes	IEEE Transactions on Industrial Electronics	2024.1	王攀攀, 王凯旋, 陈立正	王攀攀	第一及通讯作者
14	Planar Double-winding Foreign Object Detection for the EV wireless charging system Based on Time-division Multiplexing	IEEE Transactions on Power Electronics	2024.10	Chenyang Xia, Chenhao Lu, Shuze Zhao, Ziyue Yang, Yuheng Cao, Fuqian Liu, Yuxiang Gao,	夏晨阳	第一及通讯作者

15	Investigation on Different Stator Structures of the Axial-Radial Flux Switched Reluctance Motors	IEEE Transactions on Industrial Electronics	2024.6	Wenju Yan, Weichao Wang, Hailong Li, Hao Chen*, Fengyuan Yu, Dong Zhang, Hongwei Yang, Qing Wang	闫文举	第一作者
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