

团队成员

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个人信息
李可军, 山东潍坊人, 1972年生

学术身份
教授, 博士生导师
中国电机工程学会理事
山东电机工程学会理事长
中国电机工程学会理事
IEEE Senior Member

工作经历
2011/12-至今, 山东大学, 电气工程, 教授
2008/10-2011/12, 山东大学, 电气工程, 副教授
2007/1-2008/10, 美国弗罗里达州大学莱恩分校, 能源系统研究中心, 博士生
2001/9-2006/9, 山东大学, 电气工程, 教师

研究方向
高压电网、智能配电网、状态监测与故障诊断、可再生能源并网及高效利用等

学术著作 (部分)

代表性论文

- [1] Wu Q, Kang Sun, Ke-jun Li*, Yehuan Li, Junbo Duan and Kunzhi Zhu, "Cyber-Attack Detection, Modeling and Roof-PV Generation System Protection," 2022 IEEE SAS 5th Industrial and Commercial Power Systems Technical Conference (ICPST), 2022, pp. 1-6, doi: 10.1109/ICPST49075.2022.9773858
- [2] Liang Li, Ke-jun Li*, Kang Sun and Zhiqiang Liu, "A Three-port PSFB-DAB-MMC PFC with Reliability Under LVDC Disturbance," 2022 IEEE SAS 5th Industrial and Commercial Power Systems Technical Conference (ICPST), 2022, pp. 1-6, doi: 10.1109/ICPST49075.2022.9773912
- [3] Liu Lin, Kang Sun, Ke-jun Li* and Yehuan Li, "A Novel Power Injection Priority Optimization Strategy for Voltage Support Control of PSMO-based Wind Farm," 2022 IEEE SAS 5th Industrial and Commercial Power Systems Technical Conference (ICPST), 2022, pp. 1-8, doi: 10.1109/ICPST49075.2022.9773939
- [4] Zhai Lin, Ke-jun Li*, Zhonglin Guo, Jinyu Wang and Jianhua Qian, "A Comprehensive Study on the Modulation Ratio for Modular Multilevel Converters," in IEEE Transactions on Industry Applications, vol. 58, no. 3, pp. 3205-3216, May-June 2022, doi: 10.1109/TIA.2022.3148361
- [5] Liang Li, Ke-jun Li*, Kang Sun, Zhiqiang Liu and Wu-Jen Lee, "A Comparative Study on Voltage Level Standard for DC Residential Power Systems," in IEEE Transactions on Industry Applications, vol. 58, no. 2, pp. 1444-1455, March-April 2022, doi: 10.1109/TIA.2021.3140361
- [6] Kang Sun, Ke-jun Li*, Zhenqi Zhang, Yongfeng Liang, Zhiqiang Liu and Wu-Jen Lee, "An Integration Scheme of Renewable Energy, Hydrogen Plant, and Logistics Center in the Suburban Power Grid," in IEEE Transactions on Industry Applications, vol. 58, no. 2, pp. 2771-2779, March-April 2022, doi: 10.1109/TIA.2021.3111842
- [7] Zhai Lin, Ke-jun Li*, Jinyu Wang, Wintao Lin, Zhiqiang Liu, Zhiqiang Wang, General Model of Modular Multilevel Converter for Analyzing the Steady-State Performance Optimization, IEEE Transactions on Industrial Electronics, 2021, 68(2): 923-937
- [8] Yongfeng Liang, Ke-jun Li*, Zhao Ma, Wu-Jen Lee, Multilevel Classification Model for Type Recognition of Single-Phase-to-Ground Fault Based on KNN-Bayesian Method, IEEE Transactions on Industry Applications, 2021, DOI: 10.1109/TIA.2021.3049766
- [9] Zhai Lin, Ke-jun Li*, Jinyu Wang, Zhiqiang Liu, Meiyun Wang, Kang Sun, Research on Capacitance Selection for Modular Multi-Level Converter, IEEE Transactions on Power Electronics, 2019, 34(9): 8417-8424
- [10] Kang Sun, Ke-jun Li*, Jingping Pan, Yong Liu, An optimal coordinated operation scheme for pumped storage and hybrid wind-photovoltaic complementary power generation system, Applied Energy, 2019, 242: 1155-1163
- [11] Xiaoyan Yu, Ke-jun Li*, Mengqiang Wang, Zhiqiang Wang, Jie Lou, A Multistep Dynamic Equivalent Method for Urban Power Grid Based on District Dividing, IEEE Transactions on Industry Applications, 2017, 53(2): 908-917

专利

- [1] 李可军, 孙凯军, 刘智杰, 王美田, 王希成, 直流互联系统频率主动支撑与快速恢复控制方法及系统, 2020.11.27, 中国, ZL 201810826236.2
- [2] 李可军, 孙凯军, 刘智杰, 王美田, 王希成, 融合智能型可再生能源发电侧运行控制方法, 2020.07.31, 中国, ZL 201810839848.0
- [3] 李可军, 于子涛, 王希成, 孙凯军, 王正宏, 一种基于神经网络的状态预测方法, 2019.02.14, 中国, ZL 201610654283.4
- [4] 李可军, 孙凯, 任朝旭, 杜立军, 田彦军, 曹林博, 一种多馈入直流输电系统协调控制方法, 2016.01.15, 中国, ZL 201410251318.5
- [5] 李可军, 刘立军, 孙凯, 曹林博, 微电网运行控制系统中的改进下垂控制方法, 2012.11.18, 中国, ZL 201110349629.3
- [6] 李可军, 孙凯, 基于自适应神经网络的非线性系统辨识及模型预测控制方法, 2014.12.10, 中国, ZL 201210544935.9
- [7] 李可军, 孙凯, 闫文宇, 苏大威, 王希成, 曹雪松, 张明, 关博伟, 谭小斌, 基于附加有功信号的VSC-MDC系统平衡控制系统及其方法, 2016.06.11, 中国, ZL 201510038396.3
- [8] 李可军, 孙凯, 王梓强, 一种含有无功空气储能的双立筒自准直装置方法, 2016.02.03, 中国, ZL 201310567141.4

科研项目

- [1] 国家自然科学基金面上项目, 61777136, 用于城市核心区域电网的鲁棒型网络运行模式控制策略研究, 2018/02-2021/12, 157万, 主持
- [2] 国家自然科学基金专项基金项目, 61547003, 基于电压源变流器的多馈入直流输电系统协调控制优化策略研究, 2014/01-2014/12, 15万, 已结题, 主持
- [3] 国家自然科学基金面上项目, 60977053, TSC阻抗建模及其对系统稳定性和动态性能的影响研究, 2010/01-2012/12, 3670元, 已结题, 主持
- * 部分科研项目完成团队共同一作或项目

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