厉松芮

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研究兴趣

能源经济与政策

能源环境与可持续发展

能源系统分析与优化

教育经历

2019-2024年，华北电力大学，管理学博士（管理科学与工程）

2015-2019年，华北电力大学，工科学士（工程管理）

参与项目

1. 国家自然科学基金面上项目：碳中和愿景下能源系统“源网荷储”互补运行优化模型与机制研究，2022-至今（参与）

2. 国家发展和改革委员会国际合作中心委托课题：海外清洁能源与电网联网项目风险收益评价体系与量化模型研究，2021-2023（参与）

3. 国网河南省电力公司委托课题：以县城为重要载体的城镇化与能源低碳化协同推进关键技术研究，2022-至今（参与）

发表论著

1. **厉松芮**,朱春旭,张立辉等,2025. 农村清洁能源多能互补系统多主体协同运行优化模型 **系统工程理论与实践,** 1-19.
2. **SR Li**, LH Zhang, XL Liu, 2023. Collaborative operation optimization and benefit sharing strategy of rural hybrid renewable energy systems based on a circular economy: a Nash bargaining model. ***Energy Conversion and Management*** 283,116918.
3. **SR Li,** LH Zhang, XJ Wang, CX Zhu, 2022. A decision-making and planning optimization framework for multi-regional rural hybrid renewable energy system. ***Energy Conversion and Management*** 273, 116402.
4. **SR Li**, LH Zhang, L Nie, JN Wang, 2022. Trading strategy and benefit optimization of load aggregators in integrated energy systems considering integrated demand response: A hierarchical Stackelberg game. ***Energy*** 189, 744–61.
5. **SR Li**, LH Zhang, L Su, QY Nie, 2023. Exploring coupling coordination

relationship between eco-environment and renewable energy development in rural areas: a case of China. ***Science of the Total Environment*** 880,163229.

6. **SR Li**, YT Hu, LH Zhang, 2022. Coupling coordination relationship of pumped storage power station and eco-environment system. ***Journal of Energy Storage*** 52, 105029.
7. LH Zhang, **SR Li***, YT Hu, QY Nie, 2022. Economic optimization of a bioenergy-based hybrid renewable energy system under carbon policies—from the life-cycle perspective. ***Applied Energy*** 310,118599.
8. LH Zhang, **SR Li***, QY Nie, YT Hu, 2022. A two-stage benefit optimization and multi-participant benefit-sharing strategy for hybrid renewable energy systems in rural areas under carbon trading. ***Renewable Energy*** 189,744–61.
9. QY Nie, LH Zhang, **SR Li**, 2022. How can personal carbon trading be applied in electric vehicle subsidies? A Stackelberg game method in private vehicles. ***Applied Energy*** 313, 118855.
10. LH Zhang, JN Wang, **SR Li**, 2022. Regional suitability analysis of the rural biogas power generation industry: A case of China. ***Renewable Energy*** 05, 073.
11. LH Zhang, KQ Leng, **SR Li**, JN Wang, 2023. Comparative analysis of comprehensive benefits of Beijing's taxi electrification paths. ***Transportation Research Part D: Transport and Environment*** 115,103612.

奖励和荣誉

北京市优秀毕业生

国家奖学金

学术兼职

Applied Energy, Journal of Energy Storage等期刊的匿名审稿人。