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职称：讲师，硕士生导师

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■ 学习工作经历

隋裕雷，男，1989 年出生，工学博士/博士后。2012 年在中南大学获得学士学位，2018 年于中南大学/加拿大阿尔伯塔大学获联合培养工学博士学位。2018 年入职苏州大学。先后在国内外核心期刊如 *Materials Today*, *Journal of Catalysis*, *Applied Surface Science*, *Journal of Alloys and Compounds*, *Rare Metals* 等期刊发表论文 20 篇，其中 SCI 检索论文引用次数超过 180 次，他引超过 165 次(截止至 2020 年 8 月)。学术兼职包括：中国有色金属学会会员，*Journal of Alloys and Compounds*, *Journal of Power Sources* 等学术期刊审稿人。

■ 主要研究方向

1. 新能源材料
2. 冶金物理化学·复杂难处理资源综合利用

■ 承担科研项目

1. MOF 衍生中空核壳型 Ni-Co-P@TiO_{2-x} 负极材料设计合成与储钠特性研究. 国家自然科学基金项目 (No.51904194) 主持
2. 电磁感应强化钒钛磁铁矿还原球团铁颗粒聚集长大研究. 中国博士后基金面上项目 (No.2018M642310) 主持
3. 氧缺陷二氧化钛包覆中空 Ni-Co-P 复合材料设计合成与储钠特性研究. 江苏省高校自然科学面上项目 (No.19KJB450001) 主持
4. 新型动力锂离子电池负极材料可控制备及应用研究. 苏州市重点产业技术创新项目 (No.SYG201931) 主持
5. 高性能锂离子电池负极材料 MXene/Si@C 复合体系的构筑及储能特性研究. 国家自然科学基金项目 (No.51974190) 参与 (排序二)

■ 代表性论著

1. Yulei Sui, Jian Zhou, Xiaowei Wang, Ling Wu*, et al., Recent advances in black phosphorus based materials for electrochemical energy storage, *Materials Today*, 2020. (IF=26.416)
2. Yulei Sui, Yueying Hao, Xiaoping Zhang, Shengkui Zhong, Jiabin Chen, Jiangpeng Li, Ling Wu*, Spray-drying synthesis of P2-Na_{2/3}Fe_{1/2}Mn_{1/2}O₂ with improved electrochemical properties, *Advanced Powder Technology*, 2020, **31**, 190-197.
3. Yulei Sui, Yueying Hao, Gongyu Wen, Yong Hu, Ling Wu*, et al., Synthesis and photocatalytic properties of Fe-doped TiO₂ nanoparticles with highly exposed (001) facets from Ti-bearing

- tailings, Applied Surface Science, 2019, **475**, 880-886. (IF=6.182)
4. **Yulei Sui**, Ling Wu, et al., Carbon quantum dots/TiO₂ nanosheets with dominant (001) facets for enhanced photocatalytic hydrogen evolution, Applied Surface Science, 2019, **480**, 810-816. (IF=6.182)
 5. **Yulei Sui**, Wei Chen, Shibao Tang, Ling Wu*, et al., Spray-drying synthesis of LiFeBO₃/C hollow spheres with improved electrochemical and storage performances for Li-ion batteries, Frontiers in Chemistry, 2019, **7**:379.
 6. **Yulei Sui**, Yufeng Guo, Tao Jiang, Guanzhou Qiu, Separation and recovery of iron and titanium from oxidized vanadium titano-magnetite by gas-based reduction roasting and magnetic separation, Journal of Materials Research and Technology, 2019, **8**, 3036-3043.
 7. **Yulei Sui**, Ling Wu*, et al., Synthesis and electrochemical properties of spherically shaped LiVPO₄F/C cathode material by a spray drying-roasting method, Rare Metals, 2019, in press. <https://doi.org/10.1007/s12598-019-01340-0>
 8. **Yulei Sui**, Qingxia Liu, Tao Jiang, Yufeng Guo, One-step preparation of Ti³⁺ self-doped TiO₂ single crystals with internal-pores and highly exposed {001} facets for improved photocatalytic activity, Applied Surface Science, 2017, **426**, 116-122. (IF=6.182)
 9. **Yulei Sui**, Subiao Liu, Tengfei Li, Qingxia Liu, Tao Jiang, Yufeng Guo, Jing-li Luo, Atomically dispersed Pt on specific TiO₂ facets for photocatalytic H₂ evolution, Journal of Catalysis, 2017, **353**, 250-255. (IF=7.888)
 10. **Yulei Sui**, Qingxia Liu, Tao Jiang, Yufeng Guo, Synthesis and photocatalytic properties of Fe-doped nano-TiO₂ photocatalysts from Ti-bearing tailings, Applied Surface Science, 2018, **428**, 1149-1158. (IF=6.182)
 11. **Yulei Sui**, Yufeng Guo, Tao Jiang, Guanzhou Qiu, Reduction kinetics of oxidized vanadium titano-magnetite pellets using carbon monoxide and hydrogen, Journal of Alloys Compounds, 2017, **706**, 546-553.
 12. **Yulei Sui**, Yufeng Guo, A. Y. Travyanov, Tao Jiang, Feng Chen, Guanzhou Qiu, Reduction roasting-magnetic separation of vanadium tailings in presence of sodium sulfate and its mechanisms, Rare Metals, 2016, **35**, 954-960.
 13. **Yulei Sui**, Yufeng Guo, Tao Jiang, Xiaolin Xie, Shuai Wang, Fuqiang Zheng, Gas-based reduction of vanadium titano-magnetite concentrate: behavior and mechanisms, International Journal of Minerals Metallurgy and Materials, 2017, **24**, 10-17.
 14. **Yulei Sui**, Yufeng Guo, Tao Jiang, Guanzhou Qiu, Sticking behaviour of vanadium titano-magnetite oxidised pellets during gas-based reduction and its prevention, Ironmaking & Steelmaking, 2017, **44**, 185-192.
 15. Ling Wu, Yueying Hao, Shaonan Shi, Xiaoping Zhang, Huacheng Li, **Yulei Sui***, et al., Controllable synthesis of Na₃V₂(PO₄)₃/C nanofibers as cathode material for sodium-ion batteries by electrostatic spinning, Frontiers in Chemistry, 2018, **6**:617.
 16. Shengkui Zhong, Xiaoping Zhang, Jiequn Liu*, **Yulei Sui***, Study on xLiVPO₄F yLi₃V₂(PO₄)₃/C composite for high-performance cathode material for lithium-ion batteries, Frontiers in Chemistry, 2020, **8**:361.

■ 获奖情况

1. 第三届全国大学生冶金科技竞赛，二等奖，指导教师，2020年。