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专 业: 功能纳米复合材料

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简 介: 李超, 男, 1989 年 8 月生, 博士, 副教授, 硕士生导师, 中共党员, 主持河南省高等学校重点科研项目一项, 入选信阳师范大学“南湖学者奖励计划”B 类人才。



个人经历

教育经历:

2008.9-2012.6	学士	信阳学院	理工系	化学
2012.9-2015.6	硕士	信阳师范学院	化学化工学院	高分子化学与物理
2015.9-2018.8	博士	韩国全北大学	生物信息纳米融合技术工程系	功能纳米复合材料

工作简历:

2018.9 至 2024.12	信阳师范学院化学化工学院	讲师
2025.1 至今	信阳师范大学化学化工学院	副教授

研究领域

1. 液态及全固态超级电容器
2. 钠离子电池
3. 钠离子电容器

主讲课程

本科生: 《工业催化》、《化学工程基础实验》、《化工原理实验》、《化工过程实训》

代表性研究成果

期刊论文:

1. **Chao Li**, Jayaraman Balamurugan, Tran Duy Thanh, Nam Hoon Kim*, Joong Hee Lee*, 3D hierarchical CoO@MnO₂ core-shell nanohybrid for high-energy solid state asymmetric supercapacitors, *J. Mater. Chem. A*, **2017**, 5, 397-408.
2. **Chao Li**, Jayaraman Balamurugan, Nam Hoon Kim*, Joong Hee Lee*, Hierarchical Zn-Co-S nanowires as advanced electrodes for all solid state asymmetric supercapacitors, *Adv. Energy Mater.*, **2018**, 8, 1702014.
3. **Chao Li**, Jayaraman Balamurugan, Dinh Chuong Nguyen, Nam Hoon Kim*, Joong Hee Lee*,

- Hierarchical manganese-nickel sulfide nanosheet arrays as an advanced electrode for all-solid-state asymmetric supercapacitors, *ACS Appl. Mater. Interfaces*, **2020**, 12, 21505-21514.
4. **Chao Li**, Tiantian Zhao, Xiaojie Feng, Shijia Liu, Longbo Li, Ruhua Zha, Yu Zhang*, Zhang Zhang*, Construction of hierarchical honeycomb-like MnCo_2S_4 nanosheets as integrated cathodes for hybrid supercapacitors, *J. Alloys Compd.*, **2021**, 859, 157815.
 5. **Chao Li***, Kangzhe Cao, Yang Fan, Qing Li*, Yu Zhang, Ziyang Guo*, Kinetically well-matched porous framework dual carbon electrodes for high-performance sodium-ion hybrid capacitors, *J. Colloid Interface Sci.* **2023**, 652, 1356-1366.
 6. **Chao Li***, Ran Jin, Shunan Ke, Sihan Liu, Qing Li, Qiong Liu, Yu Zhang, Sulfur vacancies reinforced cobalt molybdenum sulfide nanosheets integrated cathode for high energy density hybrid supercapacitors, *Electrochim. Acta*, **2024**, 475, 143594.
 7. **Chao Li***, Shunan Ke, Sihan Liu, Ge Wu, Qing Li, Yu Zhang, Kangzhe Cao*, Heterostructured Mn-Sn Bimetallic Sulfide Nanocubes Confined in N, S-co-Doped Carbon Framework as High-Performance Anodes for Sodium-Ion Batteries, *Langmuir* **2024**, 40, 15815-15823.
 8. Qing Li, Dan Zhao, Shijie Sun, Xing Zhang, Yu Zhang, **Chao Li***, Yifeng Cheng, Jincang Zhang, Renchao Che*, Polyvinylpyrrolidone-assisted synthesis of ultrathin multi-nanolayered $\text{Cu}_2\text{Nb}_{34}\text{O}_{87-x}$ for advanced Li^+ storage, *J. Colloid Interface Sci.* **2024**, 657, 716-727.
 9. Mingze Gao[#], **Chao Li[#]**, Ruiya Wang, Shiyang Xiao, Ziyang Guo*, Yonggang Wang*, Noble metal catalysts for metal-air batteries: From nano-level to atom-level, *Next Mater.* **2024**, 2, 100126.
 10. Qing Li, Qiyue Zhang, Wenyuan Yu, Xing Zhang, Yu Zhang, **Chao Li***, Kangzhe Cao, Renchao Che*, In-depth insight into the effects of oxygen vacancies on the excellent Li^+ -storage performances of $\text{Cu}_2\text{Nb}_{34}\text{O}_{87-x}/\text{N}$ -doped carbon composite, *J. Colloid Interface Sci.* **2025**, 686, 1043-1054.

个人主页

<http://cce.xynu.edu.cn/info/1012/1965.htm>