

## 常州大学材料学院教师信息表

姓 名	丁正平	性 别	男	学历/学位	博士研究生/博士
专 业	材料科学与工程		专业技术职务		讲师
所在学科	材料科学与工程		材料学		
联系方式	<a href="mailto:dingzhengping@live.cn">dingzhengping@live.cn</a> ; 15501290288				
					
教育背景及工作经历	(1) 2020-12至今, 常州大学, 材料科学与工程学院 (2) 2018-10至2020.10, 北京大学, 物理学院, 博雅博士后, 合作导师: 高鹏 (3) 2012-09至2017-12, 中南大学, 粉末冶金研究院, 博士, 导师: 韦伟峰 (4) 2008-09至2012-06, 中南大学, 化学化工学院, 本科				
研究领域及研究方向	主要从事新能源材料与先进电子显微学的研究, 着重于新能源材料的合成与改性研究, 并采用原位透射电镜等先进原位方法实时研究材料的电化学反应。目前, 已在 <i>Advanced Materials</i> 、 <i>Energy Storage Materials</i> 、 <i>NPG Asia Materials</i> 、 <i>Journal of Materials Chemistry A</i> 、 <i>ACS Applied Materials &amp; Interfaces</i> 、 <i>Journal of Power Sources</i> 等国际知名权威期刊发表论文 30 余篇。				
代表荣誉及奖励	1. 2020 中国有色金属学会青年科技论坛优秀报告奖 2. 2019 年中南大学校优秀博士论文				
代表性论文	1. <b>Ding Zhengping<sup>#*</sup></b> ; Yang Chen <sup>#</sup> ; Zou Jian; Chen Shulin; Qu Ke; Ma Xiumei; Zhang Jingmin; Lu Jing; Wei Weifeng; Gao Peng <sup>*</sup> ; Wang Liping <sup>*</sup> ; Reaction mechanism and structural evolution of fluorographite cathodes in solid-state K/Na/Li batteries, <i>Advanced Materials</i> , 2020, 33(3): 2006118. 2. <b>Ding Zhengping<sup>#</sup></b> ; Zhang Chunxiao <sup>#</sup> ; Xu Sheng; Liu Jiatu; Liang Chaoping; Chen Libao;				

- Wang Peng<sup>\*</sup>; Ivey Douglas G.; Deng Yida; Wei Weifeng<sup>\*</sup>; Stable heteroepitaxial interface of Li-rich layered oxide cathodes with enhanced lithium storage, *Energy Storage Materials*, 2018, 21: 69-76.
3. **Ding Zhengping<sup>#</sup>**; Feng Yiming<sup>#</sup>; Zhang Datong; Ji Ran; Chen Libao; Ivey Douglas G.; Wei Weifeng<sup>\*</sup>; Crystallographic habit tuning of Li<sub>2</sub>MnSiO<sub>4</sub> nanoplates for high-capacity lithium battery cathodes, *ACS Applied Materials & Interfaces*, 2018, 10(7): 6309-6316.
  4. **Ding Zhengping<sup>#</sup>**; Zhang Datong<sup>#</sup>; Feng Yiming; Zhang Fan; Chen Libao; Du Yong; Ivey Douglas G.; Wei Weifeng<sup>\*</sup>; Tuning anisotropic ion transport in mesocrystalline lithium orthosilicate nanostructures with preferentially exposed facets, *NPG Asia Materials*, 2018, 10: 606-617.
  5. **Ding Zhengping<sup>#</sup>**; Xu Mingquan<sup>#</sup>; Liu Jiayu<sup>#</sup>; Huang Qun; Chen Libao; Wang Peng<sup>\*</sup>; Ivey Douglas G.; Wei Weifeng<sup>\*</sup>; Understanding the enhanced kinetics of gradient-chemical-doped lithium-rich cathode material, *ACS Applied Materials & Interfaces*, 2017, 9(24): 20519-20526.
  6. **Ding Zhengping<sup>#</sup>**; Feng Yiming<sup>#</sup>; Ji Ran; Zhang Datong; Chen Libao; Wang Shangbao<sup>\*</sup>; Ivey Douglas G.; Wei Weifeng<sup>\*</sup>; Improving the electrochemical cyclability of lithium manganese orthosilicate through the pillaring effects of gradient Na substitution, *Journal of Power Sources*, 2017, 349: 18-26.
  7. **Ding Zhengping**; Liu Jiayu; Ji Ran; Zeng Xiaohui; Yang Shuanglei; Pan Anqiang; Ivey Douglas G.; Wei Weifeng<sup>\*</sup>; Three-dimensionally ordered macroporous Li<sub>2</sub>FeSiO<sub>4</sub>/C composite as a high performance cathode for advanced lithium ion batteries, *Journal of Power Sources*, 2016, 329: 297-304.
  8. Qu Ke<sup>#</sup>; **Ding Zhengping<sup>#</sup>** (共同一作); Wu Mei<sup>#</sup>; Liu Pengfei; Chen Shulin; Zhu Ruixue; Han Bo; Ma Xiumei; Gao Peng<sup>\*</sup>; Li Jiangyu<sup>\*</sup>; Unraveling atomic-scale lithiation mechanisms in a NiO thin film electrode, *Journal of Materials Chemistry A*, 2020, 8(47): 25198-25207.
  9. Chen Cheng<sup>#</sup>; **Ding Zhengping<sup>#</sup>** (共同一作); Han Zhen<sup>#</sup>; Liang Chaoping; Lan Xinyue; Wang Peng<sup>\*</sup>; Gao Peng<sup>\*</sup>; Wei Weifeng<sup>\*</sup>; Unraveling atomically irreversible cation migration in sodium layered oxide cathodes, *The Journal of Physical Chemistry Letters*, 2020, 11(14): 5464-5470.
  10. Xiao Lei<sup>#</sup>; **Ding Zhengping<sup>#</sup>** (共同一作); Huang Qun<sup>#</sup>; Chen Cheng; Feng Yiming; Liang Chaoping; Gao Peng<sup>\*</sup>; Wei Weifeng<sup>\*</sup>; Electronic-structure tuning of honeycomb layered oxide cathodes for superior performance, *Acta Materialia*, 2020, 199: 34-41.
  11. Zhao Yajing<sup>#</sup>; Min Xin<sup>#</sup>; **Ding Zhengping<sup>#</sup>** (共同一作); Chen Shuang; Ai Changzhi; Liu Zhengliao; Yang Tianzi; Wu Xiaowen; Liu Yangai; Lin Shiwei<sup>\*</sup>; Huang Zhaohui; Gao Peng<sup>\*</sup>; Wu Hui<sup>\*</sup>; Fang Minghao<sup>\*</sup>; Metal-based nanocatalysts via a universal design on cellular structure, *Advanced Science*, 2020, 7(3): 1902051.
  12. Xiao Lei<sup>#</sup>; **Ding Zhengping<sup>#</sup>** (共同一作); Chen Cheng; Han Zhen; Wang Peng; Huang Qun; Gao Peng<sup>\*</sup>; Wei Weifeng<sup>\*</sup>; Insight into the structural disorder in honeycomb-ordered sodium-layered oxide cathodes, *iScience*, 2020, 23(3): 100898.
  13. Zhang Datong<sup>#</sup>; **Ding Zhengping<sup>#</sup>** (共同一作); Yang Ying; Zhao Shuai; Huang Qun; Chen Cheng; Chen Libao; Wei Weifeng<sup>\*</sup>; Fabricating 3D ordered macroporous Na<sub>2</sub>MnSiO<sub>4</sub>/C with hierarchical pores for fast sodium storage, *Electrochimica Acta*, 2018, 269: 694-699.

	<p>14. Zhang Datong<sup>#</sup>; <b>Ding Zhengping<sup>#</sup></b> (共同一作); Zhao Shuai; Yang Ying; Feng Yiming; Xiao Lei; Ji Ran; Chen Libao; Wei Weifeng<sup>*</sup>; Morphological evolution and kinetic enhancement of <math>\text{Li}_2\text{Fe}_x\text{Mn}_{1-x}\text{SiO}_4/\text{C}</math> cathodes for Li-ion battery. <i>Progress in Natural Science-Materials International</i>, 2018, 28(5): 535-541</p> <p>15. Ji Ran<sup>#</sup>; <b>Ding Zhengping<sup>#</sup></b> (共同一作); Zhao Ying; Ma Cheng; Zeng Xiaohui; Chen Libao; Ivey Douglas G.; Wei Weifeng<sup>*</sup>; Manipulating the crystalline structure and electrochemical performance of a dilithium manganese silicate cathode material by polyanion doping, <i>ChemElectroChem</i>, 2016, 3(11): 1805-1812.</p>
<p>近年主持的科研项目</p>	<p>1. 中国博士后科学基金会, 第 65 批面上资助二等, 2019M650333, 新型高容量富锂氟氧化物材料的结构设计及储锂机制研究, 2019-01 至 2020-09, 已结题, 主持;</p> <p>2. 纳米矿物材料及应用教育部工程研究中心 2019 年度开放研究课题, NGM2019KF007, 层状富锂锰基氧化物材料的微结构调控与循环稳定性研究, 2019.01 至 2020.12, 已结题, 主持;</p> <p>3. 国家科学技术部, 国家重点研发计划, 2019YFA0708200, “石墨烯基第三代+”深紫外固态光源器件, 2020-06 至 2025-05, 在研, 参加 (项目骨干);</p>
<p>其他成果</p>	<p>授权专利:</p> <ol style="list-style-type: none"> <li>1. 一种对锂离子电池用正极活性材料进行表面修饰的方法, 中国, ZL201710245472.7.</li> <li>2. 一种(001)晶面暴露的纳米硅酸盐材料及制备方法, 中国, ZL201710124148.X.</li> <li>3. 一种掺杂硅酸锰锂/碳复合材料及制备方法, 中国, ZL201610771910.9.</li> <li>4. 结晶态 Li-Sn-S 系无机锂离子固体电解质的制备方法, 中国, ZL201510197400.0.</li> <li>5. 硫化物固体电解质的制备方法, 中国, ZL201510196872.4.</li> <li>6. 一种碱土金属离子掺杂的硅锰酸基锂/碳复合材料及制备方法, 中国, ZL201710818746.7.</li> </ol>
<p>社会兼职</p>	<p>担任 Applied Surface Science, Journal of Alloys and Compounds, Advanced Energy and Sustainability Research 等期刊审稿人。</p>