

## 常州大学材料学院教师信息表

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专 业	材料科学与工程		专业技术职务		中级
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教育背景及工作经历	2017~2021 东南大学 博士（导师：储成林） 2021~至今 常州大学 讲师（硕导）				
研究领域及研究方向	高熵合金表面改性研究、高熵合金强韧性、耐腐蚀性与耐磨性能研究、高熵合金相稳定性研究、先进高强钢强韧化机理等研究。				
代表荣誉及奖励	2022 年江苏省双创博士				
代表性论文	<p>[1] <b>An X.L.</b>; Liu Z.D; Zhang Y; Wei W; Bai J; Hu J; Xu Z.X; Wei K.X; Wei W; Chu C.L; Sun W.W* ; Mechanical property regulation of transformation induced plasticity (TRIP) multi-principal element alloys through multi-phase microstructural design, <i>Intermetallics</i>, 2023, 152: 107754.</p> <p>[2] <b>An X.L.</b>; Liu Z.D; Zhang L.T; Zou Y; Xu X.J; Chu C.L; Wei W; Sun W.W* ; A new strong pearlitic multi-principal element alloy to withstand wear at elevated temperatures, <i>Acta Materialia</i> , 2022, 227: 117700</p> <p>[3] <b>An X.L.</b>; Zhang R.M; Wu Y.X; Zou Y; Zhang L.T; Zhang K; Wang L.Y; Li Y.S; Hutchinson C.R; Sun W.W*; The role of retained austenite on the stress-strain behaviour of chemically patterned steels, <i>Materials Science and Engineering A</i> , 2021, 831(1): 142286</p> <p>[4] <b>An X. L.</b>; Chu C. L.*; Zhou L.; Ji J.; Shen B.L.; Paul K. Chu; Controlling the corrosion</p>				

	<p>behavior of CoNiFe medium entropy alloy by grain boundary engineering, <i>Materials Characterization</i>, 2020, 164, 110323: 1-6.</p> <p>[5] <b>An X. L.</b>; Chu C. L.*; Zhao H.; Shen B. L.; Zhou L.; Paul K. Chu; CoNiFeNb0.45 eutectic multi-principal element alloy with excellent mechanical properties and corrosion resistance, <i>Materials Science and Engineering A</i>, 2020, 777, 13926: 1-7.</p> <p>[6] <b>An X. L.</b>; Zhao H.; Chu C. L.*; Dai T.; Lu T.; Huang Z. H.; Guo C.; Paul K. Chu; Hall-Petch relationship and corrosion behavior of cold-rolled CoNiFe medium entropy alloy. <i>Journal of Alloy and Compounds</i>, 2020, 807, 151698: 1-7.</p> <p>[7] <b>An X. L.</b>; Zhao H.; Dai T.; Yu H. G.; Huang Z. H.; Guo C.; Paul K. Chu; Chu C. L.*; Effects of heat treatment on the microstructure and properties of cold-forged CoNiFe medium entropy alloy, <i>Intermetallics</i>, 2020, 110, 106477: 1-6.</p> <p>[8] <b>An X. L.</b>; Zhang B.; Chu C. L.*; Zhou L.; Paul K. Chu; Evolution of microstructures and properties of the GH4169 superalloy during short-term and high-temperature processing, <i>Materials Science and Engineering A</i>, 2019, 744, 255-266: 1-8.</p> <p>[9] <b>An X. L.</b>; Zhang B.; Chu C. L.*; Zhou L.; Paul K. Chu; Inconel 718 treated with two-stage solution and aging processes: microstructure evolution and enhanced properties, <i>Materials Research Express</i>, 2019, 6(7):075803.</p> <p>[10] Du L; Jin C; Cheng Y; <b>An X.L.</b>; et al; Improvement of anti-bacterial activity of hydrothermal treated TC4 substrate through an in-situ grown TiO<sub>2</sub>/g-C<sub>3</sub>N<sub>4</sub> Z-scheme heterojunction film, <i>Journal of Alloys and Compounds</i>, 2020, 842:155612.</p> <p>[11] Yu H.G; <b>An X.L.</b>; Chu C;L Enhanced visible-light-driven photocatalytic activity of F doped reduced graphene oxide - Bi<sub>2</sub>WO<sub>6</sub> photocatalyst, <i>Applied Organometallic Chemistry</i>, 2018, 33(1): 4682</p>
<p>近年主持的科研项目</p>	<ul style="list-style-type: none"> <li>➤ 江苏省青年基金项目</li> <li>➤ 江苏省高等学校自然科学研究面上项目</li> <li>➤ 常州市应用基础研究计划</li> <li>➤ 产学研合作项目</li> </ul>
<p>其他成果</p>	<p>获授权中国发明专利 5 项、申请中国发明专利 7 项。</p>
<p>社会兼职</p>	<p>江苏省科技副总</p>
<p>招生需求</p>	<p>每年可招 1-2 名研究生、欢迎加盟、共创未来</p>
<p>合作</p>	<p>也欢迎相关企业洽谈合作</p>