<table>
<tr><td rowspan="4">个人简介</td><td>职称/职务</td><td>副教授</td><td>电子邮件</td><td>luochunhuan@ustb.edu.cn</td></tr>
<tr><td>办公电话</td><td>01062332741</td><td>办公地点</td><td>机电楼1218A</td></tr>
<tr><td>主讲课程</td><td colspan="3">工程流体力学；新型能源系统</td></tr>
<tr><td>科研方向</td><td colspan="3">制氢及新能源材料；新型节能及储能技术；危险气体泄漏防控技术</td></tr>
<tr><td>教育及工作经历</td><td colspan="4">教育经历：
2003.09—2007.07，北京科技大学，热能工程，学士
2007.09—2014.01，北京科技大学，动力工程及工程热物理，博士
工作经历：
2014.05—2016.05，北京科技大学 ，机械工程，博士后
2016.06—2018.02，北京科技大学，能源与环境工程，讲师
2018.03—2019.03，亚利桑那州立大学，化学工程，访问学者
2019.04—今，北京科技大学，能源与环境工程，副教授</td></tr>
<tr><td>代表性成果（包含论文、著作、获奖、专利、项目等）</td><td colspan="4">近五年论文：
1.Yongsheng Li, Chunhuan Luo*, Qingquan Su . Cold start-up study of methanol reformer based on chemical-looping combustion, Fuel, 2022, 317：122850.
2.黄尚, 王晓雪, 罗春欢, 苏庆泉. Cu 基催化剂脱除逃逸氨的机理研究, 天然气化工—C1 化学与化工，2022.
3.Wei Bai, Junxiao Feng, Chunhuan Luo, Panpan Zhang, Hailiang Wang, et al. A comprehensive review on oxygen transport membranes: Development history, current status, and future directions, International Journal of Hydrogen Energy, 2021, 46(73):36257-36290.
4.Xiangguo Zhang, Yuqing Li, Chunhuan Luo*, Chongchao Pan. Fabrication and properties of novel tubular carbon fiber-ionic liquids/stearic acid composite PCMs, Renewable Energy, 2021, 177: 411-421.
5.Xingguo Zhang, Yuqing Li, Yanan Wang, Fuqiang Qi, Haibo Zhao, Chunhuan Luo*. Double-effect/two-stage compression-assisted absorption thermal energy storage using $LiNO_3$-ionic liquids/H_2O working fluids[J]. Applied Thermal Engineering, 2020, 181: 116003.
6.Yanan Wang, Na Li, Chunhuan Luo*. Thermodynamic performance of absorption-compression hybrid refrigeration cycles based on lithium nitrate+1-butyl-3-methylimidazolium nitrate/water working fluid[J]. International Journal of Energy Research, 2020, 44: 10394-10413.
7.Yongjian Wu , Chunhuan Luo, Wei Wu , Qingquan Su . Denitration of the gas-fired boiler flue gas based on chemical-looping combustion, Chemical Engineering Journal, 2019, 361: 41-49.</td></tr>
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代表性成果（包含论文、著作、获奖、专利、项目等）	8.Yongjian Wu , **Chunhuan Luo**, Qingquan Su . Study of NH_3 removal based on chemical-looping combustion. *Industrial & Engineering Chemistry Research*, 2019, 58: 5054-5063. 9.**罗春欢**,王亚楠,韩旭,李艺群,苏庆泉.LiBr-[BMIM]Cl/H_2O 新型三元工质对的密度、黏度、比热及比焓，*工程科学学报*，2019, 41: 731-740. 10.武永健,**罗春欢**, 魏琳, 朱探金,苏庆泉.基于化学链燃烧的转炉放散煤气利用研究，*化工学报*, 2019. 70(5): 1923-1931. 11.**Chunhuan Luo**, Yanan Wang, Yiqun Li, Yongjian Wu, Qingquan Su, Tianyu Hu. Thermodynamic properties and application of $LiNO_3$-[MMIM][DMP]/H_2O ternary working pair, *Renewable Energy*, 2019, 134: 147-160. 12.Dongtai Yang, Yajun Zhu, Sicong Liu, Haoxiang Lv, **Chunhuan Luo***. Thermodynamic properties of a ternary AHP working pair: Liuthium bromide + 1-Ethyl-3-methylimidazolium chloride + H_2O, *Journal of Chemical and Engineering Data*, 2019, 64: 574-583. 13.Na Li, **Chunhuan Luo**, Qingquan Su. A working pair of $CaCl_2$-LiBr-$LiNO_3$/H_2O and its application in a single-stage solar-driven absorption refrigeration cycle, *International Journal of Refrigeration*, 2018, 86: 1-13. 14.**Chunhuan Luo**; Yiqun Li; Kang Chen; Na Li; Qingquan Su*. Thermodynamic properties and corrosivity of a new absorption heat pump working pair: lithium nitrate + 1-butyl-3-methylimidazolium bromide + water. *Fluid Phase Equilibria*, 2017, 451: 25-39. 15.**Chunhuan Luo,** Yiqun Li, Na Li, Qingquan Su. Thermodynamic properties and evaluation of the lithium nitrate-imidazole IL-water ternary systems as new working fluids for a double-effect AHP cycle, *International Journal of Refrigeration*, 2018, 90: 58-72. 16.**Chunhuan Luo***, Changchang Yang, Yichan Zhang, Zerong Xing, Yuanying Zhang. A novel chemical heat pump cycle for cooling and heating, Applied Thermal Engineering, 2018, 144: 59-64. 17.**Chunhuan Luo**, Yiqun Li, Na Li, Yanan Wang, Qingquan Su. Thermophysical properties of lithium nitrate + 1-ethyl-3-methylimidazolium diethylphosphate + water system, *The Journal of Chemical Thermodynamics*, 2018, 126: 160-170. 18.**Chunhuan Luo**, Kang Chen, Yiqun Li, Qingquan Su. Crystallization Temperature, Vapor Pressure, Density, Viscosity, and Specific Heat Capacity of $LiNO_3$-[BMIM]Cl-H_2O Ternary System. *Journal of Chemical and Engineering Data*, 2017, 62: 3043-3052. **近五年项目：** 1. 国家重点研发计划，“高盐废水蒸发结晶及回用技术与示范”； 2. 国家自然科学基金，“$LiNO_3$ - Ionic Liquids/H_2O 新型吸收式热泵工质对的物性与应用研究”； 3.北京市科技计划项目，河北雄安高铁站片区能源优化运行平台； 4.张家港晓电分布式能源有限公司“天然气化学链制氢技术开发”； 5.中央高校基本科研业务费“太阳能驱动的 LiX-Ionic Liquids/C2H5OH 地源吸收式热泵系统研究。