


研究生导师信息简介

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主要研究方向（内容）	水下电弧、等离子弧、激光切割技术，水下作业装备			
个人工作经历、学术兼职等	2025 年 3 月至今，山东交通学院			
代表性科研成果及奖励（包括项目、论文、专著、专利等）	<p>论文：</p> <p>[1] Peng Liu, Yonghong Liu, Qiang Sun, et al. Study of underwater plasma arc ignition and cutting process for surface nonconductive steel structures for offshore decommissioning. Journal of Manufacturing Processes, 2023, 101: 1581-1591.</p> <p>[2] Peng Liu, Yonghong Liu, Chao Zheng, et al. Underwater plasma arc cutting process of oil casing in shallow water environment. Applied Ocean Research, 2024, 153: 104302.</p> <p>[3] Peng Liu, Yonghong Liu, Qingxiang Wang, et al. Study on plasma arc penetration process of abandoned offshore wells. Marine Structures, 2025, 104: 103889.</p> <p>[4] Peng Liu, Yonghong Liu, Yanzhen Zhang, et al. Experimental study of underwater plasma arc penetration parameters for oil wellheads. Geoenery Science and Engineering, 2023, 229: 212153.</p> <p>[5] Peng Liu, Yonghong Liu, Chao Zheng, et al. Study on thermal penetration process of oil casing in shallow water environment by plasma arc based on heat source simulation and experiments. Geoenery Science and Engineering, 2024, 238: 212848.</p> <p>[6] Peng Liu, Qingxiang Wang, Yufei Xu, et al. Study of plasma arc underwater penetration processes in steel structures covered with non-conductive materials. Journal of Physics: Conference Series, 2023, 2594: 012014.</p> <p>[7] 刘鹏, 刘永红, 孙强, 等. 海底弃井等离子弧切割装备研究[J]. 电加工与模具, 2022, (4): 61-65.</p> <p>专利：</p> <p>[1] 刘永红, 刘鹏, 朱业俊, 等. 一种基于等离子弧切割的海洋废弃井口切割装置.</p>			