

이재원(교수)

이재원은 ERICA캠퍼스 배터리소재화학공학과 [조교수](#)다.

학력

- Senior Researcher, KITECH, 2022~2024
- Ph.D. Yonsei University, 2022
- B.S. Hongik University, 2016

주요 연구

▶ "Machine learning-based energy optimization for on-site SMR hydrogen production"

J Lee et al., Energy Conversion and Management 244, 114438 (2021)

▶ "CFD modeling on natural and forced ventilation during hydrogen leaks in a pressure regulator process of a residential area"

J Lee et al., Process Safety and Environmental Protection 161, 436-446 (2022)

▶ "Advanced natural gas liquefaction and regasification processes: Liquefied natural gas supply chain with cryogenic carbon capture and storage"

J Lee et al., Energy Conversion and Management 292, 117349 (2023)

▶ "Enhanced ammonia-cracking process via induction heating for green hydrogen: A comprehensive energy, exergy, economic, and environmental (4E) analysis"

J Lee et al., Chemical Engineering Journal 491, 151875 (2024)

▶ "Hydrogen production from fishing net waste for sustainable clean fuel: Techno-economic analysis and life cycle assessment"

J Lee et al., Chemical Engineering Journal 481, 148741 (2024)

교내 매체

- <뉴스H> 2026.01.07 [이재원 교수 연구팀, 중소벤처기업부 주관 '2025년 딥테크 챌린지 프로젝트' 선정](#)