

List of KIER CPs

Department	CP #	KIER PI	Titel of Concept Paper (CP)
Conversion & Storage Materials Lab.	1	Jeong-gu Yeo	Enhancing linear alpha olefin-paraffin separations using membrane
	2	Ji Haeng Yu	Interface engineering for integration of a garnet-based solid electrolyte and a high-voltage cathode for all-solid-state batteries
Ulsan Advanced Energy Technology R&D Center	3	Joon-Ho OH	Investigation on perovskite/silicon heterojunction (SHJ) tandem solar cells made with thinner wafers
Fuel Cell Lab.	4	Jong-Eun Hong	Development of protonic conduction fuel cells (PCFCs) adopting an on-cell CO ₂ dry reforming of CH ₄
	5	Rak-Hyun Song	Design Flexibility and Manufacturing Reliability with 3D Printing for solid oxide fuel cell
Fuel Cell Research & Demonstration Center	6	Min Ho Seo	Durable hydrocarbon ionomers designed and optimized by developing neural network potential (NNP) for energy conversion systems with anion conducting polymer electrolyte (ACPE)
Greenhouse Gas Research Lab.	7	Chan Young Park	Reduction of Water Soluble Organic Species using Composite Materials
Carbon Conversion Research Lab.	8	Ki Tae Park	Photocatalytic Gaseous CO ₂ Conversion