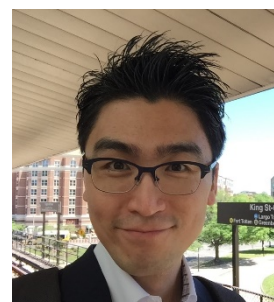


Curriculum Vitae

■ Personal Information

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■ Details of Education

1. **Doctor of Philosophy:** Department of Materials Science and Engineering, Korea Advanced Institute of Science and Technology (Republic of Korea), **2003–2007**.
2. **Master of Science:** Department of Materials Science and Engineering, Korea Advanced Institute of Science and Technology (Republic of Korea), **2001–2003**.
3. **Bachelor of Science:** Department of Materials Science and Engineering, Korea Advanced Institute of Science and Technology (Republic of Korea), **1997–2001**.

■ Career to Date

1. **Professor:** Energy Engineering, University of Science and Technology (Republic of Korea), **2018-Now**.
2. **Principal Researcher/Chief:** Carbon Conversion Research Laboratory, Korea Institute of Energy Research (Republic of Korea), **2017–Now/2022-Now**.
3. **Associate Professor:** Advanced Energy and System Engineering, University of Science and Technology (Republic of Korea), **2014-2018**.
4. **Senior Researcher:** Clean Fuel Laboratory, Korea Institute of Energy Research (Republic of Korea), **2007–2017**.
5. **Guest Scientist:** Fuel Cell Materials Center, National Institute for Materials Science (Japan), **2004–2006**.

■ Honors and Awards – Selected

1. **Ministerial Citation, Ministry of Science and ICT**, “Excellent Outcome of 2019 National Research and Development Program”, Republic of Korea (2019).
2. **TechConnect Global Innovation Award, TechConnect World Innovation Conference & Expo 2018** “Fischer-Tropsch Synthesis using KIER SponCat Technology for Flexible Production of Liquid Fuels and Chemicals from Syngas”, Anaheim, CA, USA (2018).
3. **TechConnect Innovation Award, TechConnect World Innovation Conference & Expo 2017** “Fischer-Tropsch Synthesis using Spontaneously Activatable Catalysts”, Washington D.C., USA (2017).
4. **Ph.D. Thesis Award, Korea Advanced Institute of Science and Technology, 2007** “Development of New Catalytic Foils of Intermetallic Compounds for Highly Efficient Hydrogen Generators in the Fuel Cell System”, Ph.D. Thesis, Department of Materials Science and Engineering, Korea Advanced Institute of Science and Technology (2007).
5. **Article of the Year Award, Korean Institute of Metals and Materials, 2006** “Catalytic Properties of Cold-Rolled Ni₃Al Thin Foils for Methanol Decomposition”, Journal of the Korean Institute of Metals and Materials 43(2005) 801-809.
6. **Recipient of Grant, Korea Research Foundation, 2005** “Development of catalytic micro-reactor for hydrogen production from Ni₃Al thin foils”, International Research Collaboration Program, 1,783,752 JPY (2005).

■ Social and Academic Activity

1. Councilor, **Korean Institute of Chemical Engineers (Republic of Korea)**, 2020–2021.
2. Secretary General Affairs: Division of Energy and Environment, **Korean Institute of Chemical Engineers (Republic of Korea)**, 2014–2015.
3. A Member of an Editorial Committee: Division of Catalysis and Reaction Engineering, **Korean Institute of Chemical Engineers (Republic of Korea)**, 2010–2011.

■ Original Papers: Thesis

1. **Dong Hyun Chun**, “Development of New Catalytic Foils of Intermetallic Compounds for Highly Efficient Hydrogen Generators in the Fuel Cell System”, **Ph.D. Thesis**, Department of Materials Science and Engineering, **Korea Advanced Institute of Science and Technology** (2006) November.
2. **Dong Hyun Chun**, “Effects of Zr addition on the phase stability of L1₂-based Al-Ti-Cr alloys”, **M.S. Thesis**, Department of Materials Science and Engineering, **Korea Advanced Institute of Science and Technology** (2002) December.

■ Original Papers: Articles

1. Kyoung-Jin Kim, Kwang Young Kim, Geun Bae Rhim, Min Hye Youn, Yeol-Lim Lee, **Dong Hyun Chun***, Hyun-Seog Roh*, “Nano-catalysts for gas to liquids: A concise review”, **Chemical Engineering Journal** 468 (2023) July 143632.
2. Young-eun Kim, Unho Jung, Dahye Song, Hyo Been Im, Tae Ho Lee, **Dong Hyun Chun**, Min Hye Youn, Ki Bong Lee*, Kee Young Koo*, “Dual-bed catalytic system comprising Al₂O₃ and Ba/Al₂O₃ with enhanced 1-octene productivity in 1-octanol dehydration for linear α -olefin production”, **Journal of Industrial and Engineering Chemistry** 119 (2023) March 376-385.
3. Ji Hee Kim, Geun Bae Rhim, Naeun Choi, Min Hye Youn, **Dong Hyun Chun***, Seongmin Heo*, “A hybrid modeling framework for efficient development of Fischer-Tropsch kinetic models”, **Journal of Industrial and Engineering Chemistry** 118 (2023) February 318-329.
4. Dong-Wook Lee*, Min-Ho Jin, Ju-Hyoung Park, Young-Joo Lee, Young-Chan Choi, Young-Eun Kim, Kee Young Koo, Ji Chan Park, Min Hye Youn, **Dong Hyun Chun***, “Production of linear α olefin 1-octene through 1-octanol dehydration in packed-bed membrane reactors with large mesoporous membranes (PMRL) for remarkable improvement in 1-octanol conversion and 1-octene yield”, **Fuel** 333 (2023) February 117397.

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8. Ho Won Ra, Tae-Young Mun, Sung Jun Hong, Dong Hyun Chun, Ho Tae Lee, Sung Min Yoon, Ji Hong Moon, Sung Jin Park, Seok Hyeong Lee, Jung Hoon Yang, Jae-Kon Kim, Heon Jung*, Myung Won Seo*, “Indirect coal liquefaction by integrated entrained flow gasification and Rectisol/Fischer–Tropsch processes for producing automobile diesel substitutes”, **Energy** 219 (2021) March 119597.
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