

Session Code	[01] ThA1
Session Title	Catalyst 1
Date and Time	Thursday, October 7, 2021 / 10:40-12:15
Session Room	Room A (Samda A)
Session Chair(s)	Byungha Shin (KAIST, Korea) Jaeyeong Heo (Chonnam Nat'l Univ., Korea)

[[01] ThA1-1] Invited Talk **[Online] 10:40-11:05**

Biomass Reforming for Cogeneration of Commodity Chemical and Green Hydrogen
Hong Li (*Nanyang Tech. Univ., Singapore*)

[[01] ThA1-2] **11:05-11:20**

Accelerating the Discovery of Superior Oxygen Evolution Reaction Electrocatalysts Stable in Acid Medium via Machine Learning
Jaehyun Kim and Ho Won Jang (*Seoul Nat'l Univ., Korea*)

[[01] ThA1-3] **11:20-11:35**

Innovation of 2D Transition Tungsten Oxide Material with Ferric Nanocatalyst for Efficient Photoelectrochemical Methane Oxidation
Rana Basit Ali, Qadeer Akbar Sial, Shankara S. Kalanur, and Hyungtak Seo (*Ajou Univ., Korea*)

[[01] ThA1-4] Invited Talk **[Online] 11:35-12:00**

Controlled Synthesis of Two-Dimensional Materials with Tailored Properties
Zhengtang Luo (*Hong Kong Univ. of Sci. and Tech., Hong Kong*)

[[01] ThA1-5] **12:00-12:15**

Oxygen Ion Transport in Doped Ceria: Effect of Vacancy Trapping
Mehmet Emin Kilic and Kwang-Ryeol Lee (*KIST, Korea*)