



IUMRS-ICEM 2018

AUGUST 19(SUN.) - 24(FRI.), 2018 / DAEJEON, KOREA

Session Title	Solar Fuels	Session Code	Mo-J1
Date and Time	2018-08-20 / 10:30 - 12:30		
Place	Room J		
Session Chair	TBA		

Mo-J1-1

10:30 - 11:00

[Keynote] Materials for Solar Fuels: Coupling Efficient Water Splitting Catalysts and High-Performance Photovoltaics by Atomic Layer Deposition

Paul (Cameron) McIntyre
Stanford Univ., USA

Mo-J1-2

11:00 - 11:30

[Invited] Photoelectrochemical Water Splitting and CO₂ Reduction

Joel W. Ager
Univ. of California Berkeley, USA

Mo-J1-3

11:30 - 11:45

Reduced Graphene Oxide as a Catalyst Binder: Extended Photoelectrochemical Stability of Cu(In,Ga)Se₂ Photocathode for Solar Water Splitting

Bonhyeong Koo¹, Segi Byun¹, Sung-Wook Nam², Song-Yi Moon^{1,3}, Suncheul Kim⁴, Jeong Young Park^{1,3}, Byung Tae Ahn¹, and Byungha Shin¹
¹KAIST, Korea, ²Kyungpook Nat'l Univ., Korea, ³IBS, Korea, ⁴Samsung Electronics, Korea

Mo-J1-4

11:45 - 12:00

Solution Aging of Vanadyl Acetylacetonate in Methanol and their Effects on the Material and Photoelectrochemical Properties of the Solution Processed-BiVO₄ Photoanodes

Segi Byun, Gihun Jung, and Byungha Shin
KAIST, Korea

Mo-J1-5

12:00 - 12:15

Direct Chemical Bath Deposition of Mo:BiVO₄ Photoanode with Controllable Morphology and Texture for Photoelectrochemical Water-Oxidation

Bit Na Kim¹, Hyun Woo Lim¹, Hyun Soo Han², and In Sun Cho¹
¹Ajou Univ., Korea, ²Stanford Univ., USA