

Program of ICEC2022

Special Session of Applied Catalysis B

Session Coordinator: Hiromi Yamashita (Osaka University)
(Room D)
(Japan Standard Time)

Aug 1st (Mon) 13:00-13:10 Room D

Opening of Session
In-Sik Nam (Pohang University of Science and Technology)
Natalia Lee (Elsevier)

Aug 1st (Mon) 13:10-13:35 Room D

SIL-1	Catalyst advances for highly performing and durable anion exchange membrane fuel cells	William E. Mustain	University of South Carolina
--------------	---	---------------------------	-------------------------------------

Aug 1st (Mon) 13:35-14:00 Room D

SIL-2	Challenges of photocatalysis and their coping strategies	Hexing Li	Shanghai Normal University
--------------	---	------------------	-----------------------------------

Aug 1st (Mon) 14:00-14:25 Room D

SIL-3	Photocatalytic self-Fenton high-throughput mineralization of organic pollutants in water	Yongfa Zhu	Tsinghua University
--------------	---	-------------------	----------------------------

Aug 1st (Mon) 14:25-14:50 Room D

SIL-4	Heterogenous reaction mechanism of typical VOCs for SOA formation and implication for VOCs catalytic abatement	Taicheng An	Guangdong University of Technology
--------------	---	--------------------	---

Aug 1st (Mon) 14:50-15:15 Room D

SIL-5	Nanocatalyst engineering for CO₂ hydrogenation to formic acid as a promising hydrogen storage material	Kohsuke Mori	Osaka University
--------------	--	---------------------	-------------------------

Program of ICEC2022

Special Session of Applied Catalysis B

Session Coordinator: Hiromi Yamashita (Osaka University)
(Room D)
(Japan Standard Time)

Aug 1st (Mon) 15:50-16:15 Room D

SIL-6	Scale-up and demonstration of photocatalytic nanofiltration reactor for water purification and reuse	Polycarpos Falaras	Institute of Nanoscience and Nanotechnology
--------------	---	---------------------------	--

Aug 1st (Mon) 16:15-16:40 Room D

SIL-7	CO₂ reduction to fuels by water driven by photocatalysis	Junwang Tang	University College London
--------------	--	---------------------	----------------------------------

Aug 1st (Mon) 16:40-17:05 Room D

SIL-8	Novel multifunctional microbial photo-electro-catalytic systems for conversion of inorganic carbon to acetate using semiconductor z-scheme heterojunctions	Gianluca Li Puma	Loughborough University
--------------	---	-------------------------	--------------------------------

Aug 1st (Mon) 17:05-17:30 Room D

SIL-9	Modifications of porous Ti-based photocatalysts and applied in CO₂ photocatalytic reduction	Jinlong Zhang	East China University of Science and Technology
--------------	---	----------------------	--

Aug 1st (Mon) 17:30-17:55 Room D

SIL-10	Design and preparation of efficient heterogeneous catalysts for full oxidation of HCHO: from Pt-based to Ag-based catalysts	Feng-Shou Xiao	Zhejiang University
---------------	--	-----------------------	----------------------------

Aug 1st (Mon) 17:55-18:05 Room D

Closing of Session

Xenophon Verykios (University of Patras)