

iWMK2025 Poster presentation

Friday, 13 Nov, 17:00-18:15 @Rokko hall 2F



1	2	3
Hofmeister effect of anions on the layer-by-layer nanofiltration membranes: Assembly kinetics and micropollutant removal Quan Yuan University of Chinese Academy of Sciences	Fluoride-mediated hydrophobic zeolite incorporated PDMS membrane for highly selective separating ethanol from aqueous solution Jiali Yu Nanjing Tech University	Photo-enhanced electrocatalytic activities of Zn-In-Se photocathodes in Zn-CO₂ batteries Tzu-Chiang, Lin Chang Gung University
4	5	6
Development of a Highly Durable Pore-Filling Anion Exchange Membrane Incorporating Carbazole and Cross-Linked Structures for Water Electrolysis Applications TaeKyung Lee Gyeongsang National University	Fabrication of novel mixed-matrix membrane and its pervaporation process integration with distillation Yuanhang Jin Nanjing Tech University	Regulation of interlayer channels of graphene oxide nanosheets in ultra-thin Pebax mixed-matrix membranes for CO₂ capture FeiFan Yang Nanjing tech university
7	8	9
High-performance PES-b-PEG microfiltration membranes and the mechanism underlying their high V_{max} Jingtai Wang Tiangong University	Eco-friendly Zwitterionic Bi-continuous Membranes Fabricated via a Dual-Bath Strategy for Biofouling Mitigation and Enhanced Bacterial Removal from Water Shih Hong, Liou Chung Yuan Christian University	Photoelectrochemical CO₂ Reduction to generate C₁ Fuel Using Cu-Zn Bimetallic MOF Chen Yu Hsuan Chang Gung University
10	11	12
Evaluation of Cell performances for Zn-CO₂ battery using Se-doped NiO/Co₃O₄ electrocatalysts on gas-cathode Fan Shoa Chien Chang Gung University	Cross-substrate adaptability of a DMAc-acclimated AAO-MBR for carbon and nitrogen removal and microbial functional responses in NMP wastewater Lu Fan Tiangong university	Development of chelating additives to enable self-degradation of plastics in the marine environment Toshiharu Fukushima Kobe University
14	15	16
In situ synthesis of Prussian blue@MXene membranes for high-efficient ion sieving in desalination Xinxin Liu Nanjing Tech University	Bicontinuous porous substrates by polysulfone/2-pyrrolidone binary system for high-performance forward osmosis membranes Nan Sun Shanghai Advanced Research Institute, Chinese Academy of Sciences	Long-term preservation of hydrogen peroxide on paper-based analytical devices incorporating titanium dioxide nanoparticles Kinari Inaba Kobe University
17	18	19
Direct adhesion between PET materials via covalent bond formation Keiji Ogawa Kobe University	The effect of the second ligand in the nickel-mediated dehalogenative polycondensation of dibromofluorene Naoki Noda Kobe University	Performance Evaluation of One-Dimensional and Two-Dimensional Solar Desalination Systems Based on PVDF-CNT-Coated Inorganic Porous Materials Chin-Hua Chen and Tzu-Ting Chiu National Taiwan University of Science and Technology
20	21	22
Dual-Functional Re-entrant Superhydrophobic Membranes with Enhanced Anti-Wetting Stability for Membrane Distillation Bowen Li Kobe University	Polyamide Membrane for Efficient Polar Solvent Separation Aiwen Zhang Kobe University	Designing Fluorine-Free Hydrophobic Polyketone Membranes via Chitin Propionate: Toward Green Separation of Water-in-Oil Emulsions Muhammad Prayogie Aulia Kobe University
23		
Molecular Dynamics simulation of Ion Diffusion in Anion Exchange Membranes with Varying Functional Group Lengths Junho Park Gyeongsang National University		