

# Poster Presentation program in iWMK 2024



November 14th (Thu.) 18:00-19:30 @ Takigawa Memorial Hall

## Presenter+Presentation title

<p><b>Chung Yuan Christian University</b> Liou, Shih-Hong</p> <p>Achieving Complete Remediation of Tetracycline-Contaminated Water Using a PVDF/<math>\delta</math>-MnO<sub>2</sub> Photocatalytic Membrane Reactor</p>	<p><b>Nanjing Tech University</b> Haonan Yang</p> <p>Swift Heavy Ion Irradiation Manipulated Gas Transport Channels in Graphene Oxide Membrane</p>	<p><b>Nanjing Tech University</b> Baochun Meng</p> <p>Fabrication of surface-charged MXene membrane and its application for water desalination</p>	<p><b>Nanjing Tech University</b> Shurui Dong</p> <p>Constructing polyelectrolyte network for ultrafast water transport in graphene oxide channels through incorporating water-permeable and soft nanospheres</p>	<p><b>Nanjing Tech University</b> Binyu Mo</p> <p>Mixed-ligand engineered polycrystalline Zr-MOF membranes for high-performance alcohol dehydration</p>	<p><b>Tiangong University</b> Jiahui Du</p> <p>In situ synthesis of SCOF on porous dibenzo 14-crown-4-ether polyimide membrane for selective separation of lithium ions</p>
<p><b>Tiangong University</b> Hao Sun</p> <p>The impact of molecular structure of polysulfone-based block copolymers on the membrane pore structure and separation performance using molecular dynamics simulation</p>	<p><b>Gyeongsang National University</b> Dong Jun Lee</p> <p>Ion Exchange Capacity Improvement Using Polystyrene Particles in SEBS-Based Membranes</p>	<p><b>Gyeongsang National University</b> Jun Ho Park</p> <p>Poly(carbazole) Crosslinked with Bifunctional Tertiary Amine Crosslinkers for Enhanced Anion Exchange Membrane Water Electrolysis</p>	<p><b>Gyeongsang National University</b> Hyun Woong Kwon</p> <p>Characterization of RO membranes based on additives and curing temperature</p>	<p><b>Zhejiang University</b> Hukang Guo</p> <p>Tailor-made <math>\beta</math>-ketoenamine-linked covalent organic polymer nanofilms for precise molecular sieving</p>	<p><b>Zhejiang University</b> Jia-Hui Xin</p> <p>Temperature-Modulated Interfacial Synthesis of Fully Aromatic Polyurea for Superior Solvent/Thermal-Resistant Separation</p>
<p><b>Zhejiang University</b> Yuren Xue</p> <p>Harmonic Amide Bond Density as a Game-changer for Deciphering the Crosslinking Puzzle of Polyamide</p>	<p><b>Zhejiang University</b> Kai Li</p> <p>Unidirectional transport mechanism of Janus membranes and its enhancement strategy</p>	<p><b>Zhejiang University</b> Yijie Fang</p> <p>Performance difference of Troger's Base anion exchange membrane under different quaternization degree</p>	<p><b>Zhejiang University</b> Xin-Yu Guo</p> <p>Microfiltration membranes for separating oil-in-water emulsions.</p>	<p><b>Zhejiang University</b> Yu Fang</p> <p>Tailoring Polyamide Nanofiltration Membranes by Switching Charge of Nanocellulose Interlayers</p>	<p><b>Zhejiang University</b> Guang-Chang Xu</p> <p>Supergravity-rendered construction of heterogeneous nanocomposite membranes for gas separation</p>
<p><b>Qingdao Institute of Bioenergy and Bioprocess Technology</b> Lin Zheng</p> <p>Crown ether regulated nanocomposite membrane with lithium channels for highly selective Li<sup>+</sup>/Mg<sup>2+</sup> separation</p>	<p><b>Kobe University</b> Wang Zheng</p> <p>Self-Aggregation Control of Porphyrin for Enhanced Selective Covalent Organic Network Membranes</p>	<p><b>Kobe University</b> Shi Yongxuan</p> <p>Li<sup>+</sup>/Mg<sup>2+</sup> Sieving through Polyamide Nanofilms with Fine-Tuning Crumpled Structures</p>	<p><b>Kobe University</b> Li Chuang</p> <p>Polyethylenimine-assisted preparation of Zr-MOF/GO Membranes for radionuclide separation</p>		