	POSTER SESSION II
	Monday 22/09/2025
1	Julia Knapp DYNAMIC BREATHING BEHAVIOUR OF THE TITANIUM-BASED METAL-ORGANIC FRAMEWORK NTU-9 UPON ADSORPTION OF WATER AND ORGANIC SOLVENTS
2	<b>Timo Manitz</b> ELUDICATING THE IMPACT OF THE SYNTHESIS METHODE ON THE STRUCTURAL FLEXIBILITY OF MIL-88 A (FE) DURING WATER HARVESTING
3	Giacomo Provinciali LIGHTWEIGHT INORGANIC HYDRIDES CONFINED WITHIN ZIRCONIUM AND BERYLLIUM METAL-ORGANIC FRAMEWORKS AS HYDROGEN STORAGE MATERIALS
4	Edoardo Bracciotti MOF-SUPPORTED METAL COMPLEXES FOR CO₂ CONVERSION IN E-FUELS
5	Sahra Ahmed SUPPORTED PD SINGLE-ATOM CATALYSTS ON UIO-66 FOR CO <sub>2</sub> HYDROGENATION TO METHANOL
6	Sara Talebi Deylamani OPTIMIZING MOF MORPHOLOGY FOR ENZYME ENCAPSULATION: INSIGHTS FROM NANOSCALE CHARACTERIZATION
7	Zheao Huang HOW POWERFUL IS LIGAND ENGINEERING IN ENHANCING MOF PERFORMANCE?
8	<b>Eunji Jin</b> ENGINEERING PHOTOSWITCHING DYNAMICS IN 3D PHOTOCHROMIC METAL-ORGANIC FRAMEWORKS THROUGH METAL-ORGANIC POLYHEDRON DESIGN
9	Kanchana Sotho CONVERSION OF CO <sub>2</sub> INTO POROUS METAL-ORGANIC FRAMEWORK MONOLITHS
10	Karnjana Atthawilai BINARY PHASE DIAGRAM OF COORDINATION POLYMER WITH EUTECTIC MELTING BEHAVIORS
11	Rinku Kushwaha TOWARDS CONDUCTIVE RU-BASED COORDINATION POLYMERS
12	Lukas Steinbach OPTIMIZATION OF SOD-TYPE ZIF THIN-FILMS FOR OPTICAL APPLICATIONS THROUGH TARGETED LAYER FORMATION AND ADSORPTION CONTROL
13	<b>William Reinholdsson</b> EXPLORING THE WORLD OF DYNAMIC LN AND MN MOFS AND THE ROLE OF THE METAL SBU IN THE GATE-OPENING EFFECT
14	Yeonwoo Park DIMENSIONAL ENGINEERING OF PORPHYRIN-BASED COVALENT ORGANIC FRAMEWORKS FOR TUNABLE PHOTOPHYSICAL PROPERTIES
15	Guillaume Bertrand FLUORESCENT MOF EMISSION TUNING AND APPLICATION TOWARD RADIOACTIVE GAS DETECTION

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18 Danylo Merzhylevskyi DEFEROXAMINE NANOCOMPOSITES FOR METAL BINDING Leonid Shupletsov SUSTAINABLE DYNAMIC SOLVENT SYSTEM (DSS) UNRAVELING FLEXIBILITY OF PYRAZOLATE MOFS WITH WINERACK TOPOLOGY Letiza Trovarelli SYNTHESIS AND ADVANCED CHARACTERIZATION OF ZR BASED METAL-ORGANIC FRAMEWORKS FOR CO2 SEPARATION IN MIXED MATRIX MEMBRANES  Hristina Lazarova STUDY OF TITANIUM SILICATE 1 (TS-1) FOR TREATMENT OF DIFFERENT DYes IN WASTEWATER  Rusi Rusew STRUCTURAL CHARACTERIZATION, ADSORPTION BEHAVIOR, AND PHOTOCATALYTIC PERFORMANCE OF A ZINC-BASED MOF INCORPORATING 2.4,6-TRIS-(4-CARBOXYPHENOXY)-1.3,5-TRIAZINE  Isaac Negrin-Santamaria IMPROVED PREPARATION OF THIN-FILM MOF-COATED BLADES  Klara Klemenčič DIAMINOTRIAZOLE-BASED MOF FOR CO2 ADSORPTION AT LOW CONCENTRATIONS  Raluca-Ana Kessler EXPLORING RENEWABLE REGENERATION TECHNIQUES FOR EFFICIENT CO2 DESORPTION  Theresa Bloebs RESOURCE RECOVERY USING POROUS COMPOSITE MATERIALS  YUJIn Chol TRANSITION METAL-SILOXANE CLUSTER-BASED METAL-ORGANIC FRAMEWORKS FOR GREENHOUSE GAS CAPTURE  BUNRAVELING THE RELATIONSHIP BETWEEN DEFECT TYPE AND CATALYSIS IN UIO-66  Henrike von Wedel CATALYTIC TANDEM REACTIONS IN MESOPOROUS METAL-ORGANIC FRAMEWORKS PABIO Ayala MODULATED SYNTHESIS OF A NEW TITANIUM-BASED METAL-ORGANIC FRAMEWORK WITH PHOTOCATALYTIC ATMDEM REACTIONS IN MESOPOROUS METAL-ORGANIC FRAMEWORK WITH PHOTOCATALYTIC ACTIVITY UNDER RED LIGHT  Thanakorn Tiyawarakui H'CONDUCTIVE COORDINATION POLYMER GLASS AS A MATERIAL FOR MEMBRANE ELECTRODE ASSEMBLY FOR CO, REDUCTION  Viktorija Mironova		
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