	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	Timo Manitz 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 ₂ 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	Eunji Jin ENGINEERING PHOTOSWITCHING DYNAMICS IN 3D PHOTOCHROMIC METAL-ORGANIC FRAMEWORKS THROUGH METAL-ORGANIC POLYHEDRON DESIGN
9	Kanchana Sotho CONVERSION OF CO ₂ 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	William Reinholdsson 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

16	Sonila Xhafa CHEMIRESISTIVE SENSORS FOR ETHYLENE DETERMINATION BASED ON SILVER(I) BIPYRAZOLATES
	Ciara Byrne
17	EXAMINING THE IMPACT OF SYNTHESIS METHOD ON THE ADSORPTION OF ETHANOL IN ZIF-71 & ZIF-93
18	Danylo Merzhyievskyi DEFEROXAMINE NANOCOMPOSITES FOR METAL BINDING
19	Leonid Shupletsov SUSTAINABLE DYNAMIC SOLVENT SYSTEM (DSS) UNRAVELING FLEXIBILITY OF PYRAZOLATE MOFS WITH WINERACK TOPOLOGY
20	Letizia Trovarelli SYNTHESIS AND ADVANCED CHARACTERIZATION OF ZR BASED METAL-ORGANIC FRAMEWORKS FOR CO $_2$ SEPARATION IN MIXED MATRIX MEMBRANES
21	Hristina Lazarova STUDY OF TITANIUM SILICATE 1 (TS-1) FOR TREATMENT OF DIFFERENT DYes IN WASTEWATER
22	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
23	Isaac Negrín-Santamaría IMPROVED PREPARATION OF THIN-FILM MOF-COATED BLADES
24	Klara Klemenčič DIAMINOTRIAZOLE-BASED MOF FOR CO ₂ ADSORPTION AT LOW CONCENTRATIONS
25	Raluca-Ana Kessler EXPLORING RENEWABLE REGENERATION TECHNIQUES FOR EFFICIENT CO₂ DESORPTION
26	Theresa Bloehs RESOURCE RECOVERY USING POROUS COMPOSITE MATERIALS
27	Yujin Choi TRANSITION METAL-SILOXANE CLUSTER-BASED METAL-ORGANIC FRAMEWORKS FOR GREENHOUSE GAS CAPTURE
28	Guo-ying Han UNRAVELING THE RELATIONSHIP BETWEEN DEFECT TYPE AND CATALYSIS IN UIO-66
29	Henrike von Wedel CATALYTIC TANDEM REACTIONS IN MESOPOROUS METAL-ORGANIC FRAMEWORKS
30	Pablo Ayala MODULATED SYNTHESIS OF A NEW TITANIUM-BASED METAL-ORGANIC FRAMEWORK WITH PHOTOCATALYTIC ACTIVITY UNDER RED LIGHT
31	Thanakorn Tiyawarakul H ⁺⁻ CONDUCTIVE COORDINATION POLYMER GLASS AS A MATERIAL FOR MEMBRANE ELECTRODE ASSEMBLY FOR CO₂ REDUCTION
32	Viktorija Mironova CE-MOFS - FAST SYNTHESIS AND CHARACTERIZATION

33	Yasmin Okhassova WEAKLY COORDINATING ANIONIC NETWORKS AS A PLATFORM FOR CATALYSIS
34	Orysia Zaremba CRUDE ENZYME EXTRACTS FOR BIOCATALYST ENTRAPMENT IN METAL-ORGANIC FRAMEWORKS
35	Yao Tong ACCELERATED DEVELOPMENT OF CAT@MOF CATALYST FOR INDUSTRIALLY RELEVANT HYDROGENATIONS
36	Vandana Vishwakarma STRUCTURAL RECONSTRUCTION OF A COBALT-BASED METAL-ORGANIC FRAMEWORK DURING THE ELECTROCHEMICAL HYDROGEN EVOLUTION REACTION
37	Afranur Pendar STRUCTURAL ELUCIDATION OF A NEW POLYMORPH OF Cd(II) MOF FEATURING HEXAKIS(4-CARBOXYLATOPHENOXY)CYCLOTRIPHOSPHAZENE: TOWARD MULTIFUNCTIONAL ENVIRONMENTAL APPLICATIONS
38	Elif Özcan MULTIFUNCTIONAL ZN(II) MOF BASED ON A ROBUST CYCLOPHOSPHAZENE LINKER: SENSING AND PHOTOCATALYTIC APPLICATIONS
39	Hanwen Luan DEFECT ENGINEERING IN UIO-66-NH₂ FRAMEWORKS VIA GREEN SOLVENTS: ENHANCED PHOTOCATALYTIC DEGRADATION OF ORGANIC POLLUTANTS
40	Yunus Zorlu A 3D CU(II) METAL-ORGANIC FRAMEWORK FEATURING A CYCLOPHOSPHAZENE LIGAND FOR VISIBLE-LIGHT-DRIVEN DYE DEGRADATION AND SELECTIVE CO $_2$ CAPTURE
41	Robin Petersson THE USE OF HALF-SALEN METALLO COMPLEXES IN MIL-125(TI)-NH $_2$ FOR HYDROGEN EVOLUTION REACTIONS (HER)
42	Satyapriya Nath COVALENT ORGANIC FRAMEWORKS AS NANO-RESERVOIR FOR ROOM TEMPERATURE RNA STORAGE
43	Valentina Di Matteo RATIONAL FUNCTIONALIZATION OF A ZR-BASED MOF WITH THE SUGAR MANNOSE FOR ENHANCED STABILITY AND TARGETED DELIVERY
44	Alessio Zuliani STRUCTURE-GUIDED DESIGN OF SMART HYBRID GLYCOMOF NANOPLATFORMS VIA SCALABLE MULTIGRAM SYNTHESIS FOR BIOMEDICAL APPLICATIONS
45	Guillermo Gómez-Tenés CLICK-ENABLED RECOGNITION OF CHIRAL DRUGS IN RETICULAR FRAMEWORKS
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50	Chuzhan Jin ELECTROCHEMICAL DEPOSITION OF HKUST-1 POLYCRYSTALLINE FILMS AS TRIBO-POSITIVE MATERIAL FOR ROBUST TRIBOELECTRIC ENERGY HARVESTERS
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53	Fanni Fekecs TRIOXOAZATRIANGULENE-BASED COVALENT ORGANIC FRAMEWORKS AS ORGANIC CATHODES FOR LITHIUM-ION BATTERIES
54	Harikrishnan Raghavan DEVELOPMENT OF DEFECT-FREE METAL-ORGANIC FRAMEWORK (MOF) MEMBRANES FOR ENHANCED GAS SEPARATION PERFORMANCE
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