

Poster Session 1

P1-1	Metal-organic frameworks for percolation network gas sensors <u>R. Chen, W. Li, A. M. Lister, Y. Wang, M. R. Castell</u>
P1-2	Orientation-dependent gas sensing behavior of Cu-HHTP MOF films <u>Y. Wang, A. M. Lister, M. R. Castell</u>
P1-3	2-D conjugated Ni(II)-hexaiminotriazatruxene: A pathway for chemical functionality to electrically conducting 2D-MOFs <u>P. Apostol, S. M. Gali, R. Darsi, D. Tie, Y. Zhang, S. Pal, X. Lin, V. R. Bakuru, D. Beljonne, M. Dincă, A. Vlad</u>
P1-4	Improved conductive and mechanical properties of HKUST-1@G composite materials for hydrogen adsorption <u>J. Farrando-Pérez, A. García-Ripoll, M. Martínez-Escandell, J. Silvestre-Albero</u>
P1-5	Quest for porous materials for dehumidification via the valorization of inorganic and organic wastes. MOFs case Study <u>A. Delhalı, A. H. Assen, Y. Belmabkhout</u>
P1-6	Carbon materials in photocatalysis: Their role as reaction promoters <u>J. S. Albero, A.S. Escrbano, M. Abid, C. A. Jauregui</u>
P1-7	Co-porphyrin based metal-organic framework for photoelectrochemical CO ₂ reduction <u>R. Ifraemov, I. Hod</u>
P1-8	New azolate frameworks based on 3-Rings in a rational way <u>A. Al-Ghourani, X. Zha, X. Li, S. Liu, C-C Liang, J. Yang, Z. Shi, Y-B Zhang, K. E. Cordova, B. Al-Maythalony</u>
P1-9	Tuning electrocatalytic CO ₂ reduction product selectivity of an FeTCPP-Based 2D metal-organic framework via secondary sphere interactions <u>R. Shimoni, I. Hod</u>

Poster Session 2

P2-1	Synthesis of core-shell Au@Zr-MOF nanocomposites: effect of nanoparticle shape in heating and photoluminescent properties <u>M. Ceballos, B. Pelaz, P. del Pino</u>
P2-2	Physicochemical and biological characterisation of porous chitosan scaffolds from crustacean and fungal sources <u>N. Iqbal, P. Ganguly, A. Jha, P. Giannoudis</u>
P2-3	Scattering-type scanning near-field optical microscopy for correlative nanoscale organic and inorganic material analysis <u>B. Sava, N. Hartmann, A. Huber</u>
P2-4	Valorization of crab shells as potential sorbent materials for CO ₂ capture <u>D. Pereira, F. Vicente, R. Vieira, M. Sardo, M. Ilkaeva, M. Lourenço, I. Marin-Montesinos, L. Mafra</u>
P2-5	Cation-exchanged LTA zeolites for enhanced propane / propylene separation <u>B. Claessens, M. A. Benchaabane, G. Trierweiler Gonçalves, J.-L. Paillaud, G. Chaplais, J. Daou, E. Bloch, S. Bourrelly</u>
P2-6	Characterization and trends in CO ₂ adsorption of 3D structured Hofmann clathrate <u>R. Minhas, L. Perrier, N. Brefuel, C. Miqueu</u>
P2-7	Molecular density functional theory (DFT) for modeling adsorption in nanoporous materials: from ideal to complex pore geometries <u>C. Miqueu, R. Labeyrie</u>
P2-8	Amide based MOFs for the water purification from heavy metals ions, Synthesis and Post Modification <u>P. Oikonomopoulos, G. S. Papaefstathiou</u>
P2-9	Functionalization of the amine groups of Zr-Uio-66(NH ₂) towards the sorption of heavy metal ions from aqueous solutions <u>P. Kotidis, G. S. Papaefstathiou</u>

P1-10	Nickel iron modified 2D MOF as a precatalyst for highly efficient water oxidation reaction <u>S. Binyamin, I. Hod</u>	P2-10	Achieve rigidity to flexibility transformation in isostructural 2D networks by lengthening the pendent linkers <u>Xia Li, Michael J. Zaworotko</u>
P1-11	Localized synthesis and in-situ catalytic characterization of MOF-Based materials using SECM <u>I. Liberman, R. Shimony, R. Iframove, I. Hod</u>	P2-11	Porous titanium alloy and chitosan-calcium phosphate mineral composite for bone scaffold engineering applications <u>L Yildizbakan, D Abdulaziz, N Iqbal, E M Raif, E Jones, P Giannoudis, A. Jha</u>
P1-12	Applications of MOFs for the chemical warfare agents (CWAs) simulant adsorption <u>L. Boudjema, E. Bloch, S. Bourrelly, G. Maurin</u>	P2-12	New metalated analogues of the Zr-porphyrinic MOF PCN-224 and their single-crystal-to-Single-Crystal Transformation and Gas Sensing Properties <u>R. P. Machattos, N. Panagiotou, F. G. Moscoso, A. Sousarei, J. M. Pedrosa, A. J. Tasiopoulos</u>
P1-13	Modification of a commercial carbon with LiCl for atmospheric water harvesting <u>A. G. Ripoll, J. F. Pérez, J. S. Albero</u>	P2-13	Synthesis, characterisation and mechanical testing of porous ceramic composites for filtration application <u>E. Daskalakis, A. Scott, A. Jha</u>
P1-14	Microscopic understanding of stability and adsorption/separation of CO ₂ from flue gas by MOFs in real industrial conditions <u>M. Wahiduzzaman, P. Lyu, N. Heymans, N. Garcia-Moncada, G. Mouchaham, M. Daturi, G. De Weireld, C. Serre, S. Devautour-Vinot, G. Maurin</u>	P2-14	New 3D-MOFs based on the hexanuclear [Y ₆ (μ ₃ -OH) ₈] ¹⁰⁺ SBU and their single-crystal-to-single-crystal metalation capability <u>L.K. Komodiki, N. Panagiotou, F. G. Moscoso, J. M. Pedrosa, A.J. Tasiopoulos</u>
P1-15	Highly water-stable Cu-based metal-organic frameworks for efficient adsorption of nitrate from aqueous solutions <u>S. Naghdi, M. Zendehbad, P. Ayala, T. Gupta, S. Biswas, A. Cherevan, M. C. Toroker, M. Weil, D. Eder</u>	P2-15	Linker exchange as facile method for post-synthetic modification of β-ketoenamine linked covalent organic frameworks <u>V. Dippold, S. Vogl, J. Grüneberg, A. Thomas</u>
P1-16	Abatement of toluene from waste gas streams by post-plasma catalysis <u>K. Leus, R. Morent</u>	P2-16	Gas Adsorption in Metal-Organic Frameworks: The Role of Functional Groups <u>D. Raptis, G. Froudakis</u>
P1-17	Selective photocatalytic dehydrogenation of formic acid over in situ-restructured UiO-66(COOH) ₂ -Cu under visible light <u>H. I. Hamoud, P. Damacet, N. Assaad, C. Martin, A. Maignan, D. Fan, G. Maurin, M. Daturi, M. Hmadeh, M. El-Roz</u>	P2-17	Effects of synthesis parameters in Cu/Al ₂ O ₃ catalyst preparation <u>J. Villarroel-Rocha, A. Gil</u>
P1-18	Acid defects <u>T.K. Tajnšek, M. Mazaj, N. Zabukovec Logar</u>	P2-18	Applications of MOFs for the chemical warfare agents (CWAs) simulant adsorption <u>L. Boudjema, E. Bloch, S. Bourrelly, G. Maurin</u>

P1-19	Challenges in the upscaling of microwave assisted regeneration of adsorbents <u>E. Perez-Botella, J. F. M. Denayer</u>	P2-19	Functionality-induced locking of zeolithic imidazolate frameworks <u>T. Xu, B. Zhou, Y. Tao, Z. Shi, W. Jiang, M. Abdellatif, K. E. Cordova, Y. B. Zhang</u>
P1-20	Simultaneous Pre-concentration and determination of dyes by yolk-shell magnetic metal organic framework in environmental samples <u>H. Kazemian, F. Barghak, A. Shokrollahi, M. Ghaedi</u>	P2-20	CO ₂ electroreduction on Bimetallic copper–silver composites derived from nitrogen rich complex <u>M. Suliman, M. Usman</u>
P1-21	Using taguchi and box behnken methods to optimize effective parameters of alkaline fusion synthesis of zeolite X from Tunisian dam sediment <u>H. Kazemian, L. Doudey, H. Tounsi</u>	P2-21	The screening for biogas components separation <u>J. Rogacka, P. Pakuła, B. Mazur, B. Kuchta</u>
P1-22	Probing the structural and mechanical properties of porous carbon supports used for energy applications <u>A. Kouloumpis, G. Potsi, Y-H J. Tsai, E. P. Giannelis</u>	P2-22	3D-printed N-doped biochar/inorganic polymer composites as a promising sorbent for CO ₂ /N ₂ gas separation <u>M. A. O. Lourenço, I. Correia, M. Ilkaeva, R. M. Novais, N. P.F. Goncalves, L. Mafra</u>
P1-23	Trap inlaid cationic hybrid composite material for efficient segregation of toxic chemicals from water <u>S. Fajal, W. Mandal, S. Mollick, Y. D. More, A. Torris, S. Saurabh, M. M. Shirolkar, S. K. Ghosh</u>	P2-23	Synthesis and functionalization of porous materials for CO ₂ capture <u>B. Hoque, A. Helal, M. Abdelnaby</u>
P1-24	MOFs as sustainable sorbents for CO ₂ capture solutions <u>G. Mouchaham, D. Chakraborty, N. Heymans, S. Nandi, F. Nouar, G. De Weireld, C. Serre</u>	P2-24	A triphenylphosphine-based microporous polymer for a cyclic Wittig reaction in solid state <u>V. Weigelt, S. Vogl, A. Thomas</u>
P1-25	Unusual cooperative adsorption mechanism in nano-porous materials <u>B. Kuchta, B. Mazur, L. Firlej</u>	P2-25	Hybrid ultrafiltration membranes with AlPO ₄ -5 zeotype fillers: Effect of filler loading, morphology, and metal substitution on performance and fouling resistance <u>F. Khamis, M. Kumar, P. G. Koutsoukos, F. Banata, H. A. Arafata, G. N. Karanikolos</u>
P1-26	Sodium metal-organic frameworks (Na-MOFs)/Hard carbon composites as negative electrode materials for sodium-ion batteries <u>J. M. Cabañero Jr, A. V. Desai, R. Ettlinger, R. E. Morris, A. R. Amrstrong</u>	P2-26	A screening approach to investigate amine-functionalized silica for CO ₂ capture using non-reactive molecular simulations <u>H. A. Araj, D. Bahamon, S. Kuppireddy, L. F. Vega, G. N. Karanikolos</u>
P1-27	Adaptive MOF-based atmospheric water harvesting from intense scarcity <u>B. Suleiman, H. A. Almassad, R. I. Abaza, L. Siwan, B. Al-Maythalony, K. E. Cordova</u>	P2-27	Vapor synthesis of ZIF-8 membranes for propylene/propane separation <u>T. A. Agbaje, G. N. Karanikolos, M. Khaleel</u>

P1-28	In-situ synchrotron x-ray diffraction studies of gas loaded MOFs <u>R. M. Main, S. M. Vornholt, C. Elliott, C. M. Rice, S. E. Russell, M. R. Warren, S. E. M. Ashbrook, R. E. Morris</u>	P2-28	Application of powder fly-ash geopolymers as adsorbents of phenolic compounds present in model wastewater <u>A. P. F. da Silva, A. P. S. Natal, José L. D. de Tuesta, J. A. Peres, H. T. Gomes</u>
P1-29	Mechanochemical synthesis of metal–organic frameworks: A green approach toward quantitative yields and high specific surface areas <u>Q. Yua, H. Doanb, Y. D. Xiaa, X. Y. Huc, Y. Q. Zhua, M. Tian</u>	P2-29	Modelling CO ₂ desorption from solvent flowing into an hollow porous fiber membrane contactor under micro-wave irradiation <u>A. Hajj, S. Curet, E. Savary, P. Pré</u>
P1-30	Monolithic, hierarchically porous MOF-carbon composites for environmental applications <u>T. Zelenka, M. Almáši, J. Bednarčík, E. Beňová, V. Girman, E. Kinnertová, N. Király, L. Kořená, Z. Kudličková, M. Lisnichuk, V. Slovák, B. Taraba, M. Vilková, D. Yudina, Ľ. Zauška, G. Zelenková</u>	P2-30	Computational characterization and screening of metal organic frameworks for CO ₂ capture in the presence of humidity <u>R. Oktavian, F. Zanca, L. T. Glasby, O. Taheri-Qazvini, P. Song, P. Z. Moghadam</u>
P1-31	Effect of MOF mechanochemical grinding on stability, grain size, and adsorption properties <u>M. Almáši, T. Zelenka, M. Baláž, R. Bureš, A. Királyová, N. Király, Ľ. Zauška, J. Holub, A. Badač, J. Bednarčík</u>	P2-31	Layer-by-layer controlled growth of ZIF-8 crystals into TiO ₂ microcolumnar films <u>F. G. Moscoso, J. J. Romero, A. Barranco, T. Lopes-Costa, S. Hamad, J. M. Pedrosa</u>
P1-32	Sustainable synthesis of metal-organic frameworks : Adsorption and catalysis applications <u>K. E. Boukayouht, S. E. Hankari</u>	P2-32	Expanding the PIZOF family for fluorescence array-based chemical sensing <u>D. Rodriguez-Lucena, F. G. Moscoso, T. Lopes-Costa, J. M. Pedrosa</u>
P1-33	Thermoporometry as an alternative method for porosity characterization <u>G. Zelenková, V. Slovák, T. Zelenka, M. Almáši</u>	P2-33	Polymer-based shaping of an in-situ grown metal-organic framework/graphene oxide hybrid adsorbent for CO ₂ capture <u>S. K. Gebremariam, A. M. Varghese, K. S. K. Reddy, Y. F. AlWahedi, L. F. Dumée, G. N. Karanikolos</u>
P1-34	Ultrasound and Microwave assisted-synthesis of ZIF-8 from zinc oxide <u>L. Bazzi, S. E. Hankari</u>	P2-34	In-situ Raman spectroscopy study of the nucleation of Zr fumarate and Ce fumarate MOFs performed in water <u>S. Bercha, O. Zavorotynska, S. Rathod, S. Assai, S. M. Chavan</u>
P1-35	Effect of mechanochemical grinding on stability, morphology, and adsorption properties of MIL-101(Fe)-NH ₂ <u>N. Király, T. Zelenka, M. Baláž, R. Bureš, A. Királyová, Ľ. Zauška, J. Holub, A. Badač, J. Bednarčík, M. Almáši</u>	P2-35	Nanocomposites of titanate nanotubes with graphite oxide derivatives: boosting selective additives-free photo-catalytic oxidation of biomass-inspired chemicals <u>D. A. Giannakoudakis, Z.-L. Koutsogianni, A. Kotsaridou, T. J. Bandosz, J. C. Colmenares, K. S. Triantafyllidis</u>

P1-36	Cheemosensing of biothiols by a water-stable orange-luminescent Cu(I) coordination polymer <u>C. L. Pinzón, P. Toledo, A. Viviano, A. Dorazco</u>	P2-36	Introducing a novel electromagnetic field for boosting (bio)catalytic applications in water: the case of photocatalytic selective oxidation of the biomass-derived HMF and hydrogen production. <u>D. A. Giannakoudakis, I. Sampris, P. Barmpalexis, E. Stylianidis, A. D. Giannakoudakis, K. S. Triantafyllidis</u>
P1-37	Evaluating promising solid sorbents for carbon capture at realistic conditions: impact of high temperature, high humidity and cycling <u>C. Hewson, M. Naderi, D. Burnett, D. Williams, P. Iacomi</u>	P2-37	Evaluation of CO ₂ /CH ₄ adsorption performances of clay materials in the context of biogas upgrading <u>A. El. Azrak, D. I. Grekov, L. Truche, P. Pré</u>
P1-38	Determining the isosteric enthalpy of adsorption of CO ₂ on activated carbon at near ambient temperature <u>D. P. Broom, M. J. Benham</u>	P2-38	Computational screening the CSD MOF subset for photocatalytic carbon dioxide conversion <u>C. Li, F. Zanka, J. McGregor, S. Vernuccio, P. Z. Moghadam</u>
P1-39	(Multivariate)-metal-organic framework for highly efficient antibiotic capture from aquatic environmental matrices <u>W. Iqbal, T. F. Mastropietro, C. Negro, H. Martínez Pérez-Cejuela, E. Pardo, F. Simó-Alfonso, J. M. Herrero-Martínez, D. Armentano, J. Ferrando-Soria</u>	P2-39	A CeO ₂ - chitosan catalysts for the production of biodiesel by transesterification reaction <u>A. P. C. Ribeiro, L. Martins</u>
P1-40	Room temperature H ₂ S removal over selective catalytic oxidation using activated carbon impregnated with caustic materials <u>M. Abid, M. Martínez Escandell, J. Silvestre-Albero</u>	P2-40	High surface area activated carbons for adsorptive deep desulfurisation of fossil fuels: properties inventory and machine learning aided prediction of their performance <u>P. Baltzopoulou, K. Fotiadis, G. Fanourgakis, G. Froudakis, E. Salonikidou, K. Triantafyllidis, S. Kiartzis, E. Nanaki, G. Karagiannakis</u>
P1-41	2-Dimensional rare earth metal-organic frameworks based on a hexanuclear secondary building unit as efficient detectors for vapours of nitroaromatics and volatile organic compounds <u>N. Panagiotou, F.G. Moscoso, T. Lopes-Costa, J.M. Pedrosa, A. J. Tasiopoulos</u>	P2-41	Combination of graphene oxide and granular ferric hydroxide at the optimum dosage ratio for arsenic(III) removal <u>A. K. Tolkou, D. G. Trikkaliotis, A. C. Mitropoulos, G. Z. Kyzas</u>
P1-42	Highly porous MOFs based on elongated Schiff base ligands <u>N. Panagiotou, C. G. Efthymiou, C. Papatriantafyllopoulou, G. K. Angeli, M. S. Markoulides, C. Tampaxis, N. Chronakis, G. Charalambopoulou, T. A. Steriotis, G. S. Papaefstathiou, P. N. Trikalitis, A. J. Tasiopoulos</u>	P2-42	New chitosan-based strategies for wastewater treatment <u>L. Martins, A. P.C. Ribeiro</u>
P1-43	Pyrene-based metal-organic frameworks for selective capture and separation of sulfur hexafluoride <u>M. Åhlén, O. Cheung</u>	P2-43	Metal-organic framework - graphene oxide mixed matrix ultrafiltration membranes <u>N. Elashwah, F. Banat, H. Arafat, G. N. Karanikolos</u>

P1-44	Synthesis and characterization of defects engineered Cu-Paddle Wheel MOFs <u>S. Chetry, M. F. Lukmanb, R. Wariasc, D. Belderc , A. Pöpplb, H. Krautscheida</u>	P2-44	Inducing reverse selectivity on mesoporous silica adsorbents by ionic liquid grafting for removal of ethane from ethylene <u>F. Anwar, K. S. K. Reddy, A. M. Varghese, M. Khaleel, K. Wang, G. N. Karanikolos</u>
P1-45	Dynamic covalent exchange on metal-organic framework nanoparticles <u>A. K. Edward, E. R. Kay, R. E. Morris</u>	P2-45	A super-hygroscopic alginate-based composite for atmospheric water harvesting <u>S. N. A. Elwadood, A. S. F. Farinha, Y. Al Wahedi, A.A. Alili, G-J. Witkamp, L. F. Dumée, G. N. Karanikolos</u>
P1-46	Simulation of desiccant evaporative cooling using a PSA process <u>M. Ouikhafan, A. Metrane, Y. Belmabkhout</u>	P2-46	TiO ₂ /MOF Nanocomposites for efficient photocatalytic hydrogen evolution <u>M. Charalampakis, E. Loukopoulos, K. Papadopoulos, L. Skliri, V. Binas, P. N. Trikalitis</u>
P1-47	An easy-to-use modification of the potential theory of adsorption and its application to different types of adsorbents <u>C. Teicht, A. Polyzoidis, S. Pappert</u>	P2-47	Solar light induced photocatalytic removal of Methyl Paraben from water using g-C ₃ N ₄ /CeO ₂ photocatalyst <u>M. Zografaki, S. Stefa, I. Vamvasakis, G. Armatas, V. Binas</u>
P1-48	A hybrid ferromagnetic breathing MOF for Combined Vacuum / Induction Heating Swing Adsorption to combat hysteresis barriers <u>R. Maity, M. Gholami, S. A. Peter, M. Schoukens, G. V. Baron, J. F. M. Denayer</u>	P2-48	Photocatalytic hydrogen evolution of metal nanoparticles decorated black TiO ₂ calcined in reduced atmosphere <u>M. Charalampakis, E. Loukopoulos, L. Skliri, G. Kiriakidis, P. N. Trikalitis, V. Binas</u>
P1-49	Effects of Iron (Fe) on Adsorption of CO ₂ and CH ₄ in Activated Carbon: Experiment and Simulation <u>S. Intawong, A. Wongkoblap</u>	P2-49	Low power gas sensor based on ultrathin copper coordination polymer semiconductor <u>A. Sfakianou, E. Mantziou, E. Gagaoudakis, G. Kiriakidis, V. Binas</u>
P1-50	Combined calorimetric and manometric measurements for the study of sorption properties of porous materials <u>S. Moreau</u>	P2-50	Structural tuning of fluorinated hybrid ultramicroporous materials for low-concentration CO ₂ capture <u>R. Chang, M. Åhlén, Z. Bacsik, O. Cheung</u>
P1-51	Rigaku Advances in X-ray and Electron Crystallography <u>K.-N. Truong</u>	P2-51	Mix and Match – Room Temperature Synthesis of Mixed-Metal Metal-Organic Frameworks <u>P. Netzsch, R. E. Morris, R. Ettlinger</u>
P1-52	In-situ Multinuclear Magic-angle Spinning NMR: Investigating Crystallization of Molecular Sieve in Real-time <u>Y. Huang, S. H. Alahakoon</u>	P2-52	Metal-organic frameworks database construction and intelligent screening for hydrogen storage, with the use of machine learning techniques <u>C. Livas, E. Tylianakis, G. Froudakis</u>

P1-53	Effect of NaOH and MEA loading on impregnated activated carbon for CO ₂ capture in a fixed bed adsorption <u>S. Naksusuk, K. Phothong, P. Phadungbu</u>	P2-53	Multiscale Computational study of 5- Fluorouracil delivery by Zeolite Imidazole Frameworks (ZIFs) <u>M. Vlachos, E. Tylianakis, E. Klontzas, M. Severi, G. Turtù, F. Zerbetto, G. Froudakis</u>
P1-54	Template-Induced Hierarchical Porosity in β-Ketoenamine Covalent Organic Frameworks <u>F. Heck, L. Yao, B. V. Lotsch</u>	P2-54	MOST-H2 project: Novel metal-organic framework adsorbents for efficient storage of hydrogen <u>Th. Steriotis, G. Charalambopoulou, G. Froudakis, P. Trikalitis, K. Adil, M. Hartmann, M. Thommes, J. Silvestre-Albero, M. Hirscher, Y. Belmabkhout, A. Allepuz, R. Gerona, N. Fleischhacker, N. Shakibi Nia, P.M. Ridolfi, S. D'Errico, A. Ciroth, M.-E. Reinert, D. Fairen-Jimenez, G. Spencer, D. Broom</u>
P1-55	Post-synthetic modification of porphyrinic covalent organic frameworks for CO ₂ electroreduction <u>S. Van Gele, L. Yao, B. V. Lotsch</u>	P2-55	MOF-based adsorbents for CO ₂ /N ₂ separation and air purification processes <u>Ch. Tampaxis, S. Angelis, I. Bratsos, P. Trikalitis, G. Charalambopoulou, Th. Steriotis</u>
P1-56	Effect of micro/mesoporous structure and acidity of transition and noble metal catalyst supports on the hydrodeoxygenation of microalgae oil <u>G. Iakovou, F. Zormpa, A. Margellou, K. S. Triantafyllidis</u>	P2-56	Introduction to the Development of Specific Surface Area CRM in KRISS <u>B. Il Choi, S-W Lee, Y-S Lee</u>
P1-57	Computationally aided engineering of photo-catalytic properties in MOFs <u>D. Tiana</u>	P2-57	Discovery of a Novel Isoreticular Family of Pillar-Layered MOFs with Highly Tunable Structural and Gas/Vapor Sorption properties <u>K. Papadopoulos, K. Froudas, K. Manousakis, C. Tsangarakis, P. N. Trikalitis</u>
P1-58	Supermolecular building layer approach: a design methodology that meets the quest for modular MOFs toward H ₂ storage <u>K. G. Froudas, G. K. Angelis, C. Tsangarakis, P. N. Trikalitis</u>	P2-58	Chemically robust, flexible metal organic framework with high selectivity towards polar vapors <u>K. Manousakis, K. Papadopoulos, G. K. Angelis, E. Loukopoulos, C. Tsangarakis, P. N. Trikalitis</u>
P1-59		P2-59	Comparison of Energy-based Machine Learning Descriptors for Gas Adsorption <u>A.P. Sarikas, G.S. Fanourgakis, E. Tylianakis, K. Gkagkas, G.E. Froudakis</u>