

POSTER SESSION

08:30 - 19:00

27 June 2024, Thursday
corridors on 2nd floor building D4

Poster ID	Authors' Names	Title
	Błażej Sylwia, Mietelski Jerzy, Kierepko Renata, Tomankiewicz Ewa, Cieślachowska Gabriela	Monitoring of radioactivity in building materials performed at IFJ PAN (Poland) between 2012-2024
1.	Boruta Piotr, Kalawa Wojciech, Mika Łukasz, Karol Sztekler	Innovative Heat Exchanger Fins for Adsorption Chillers: Design and Simulation
2.	Bujok Tomasz, Kalawa Wojciech, Mika Łukasz, Karol Sztekler, Sowa Marcin	Use of Thermally Conductive Adhesives in Composite Sorbent Beds for Adsorption Refrigeration Applications
3.	Bury Marcelina, Dziok Tadesz, Burmistrz Piotr	Possibility of reducing mercury and carbon dioxide emissions through the use of char produced derived from municipal solid waste
4.	Cwynar Karolina	Application of the GC-MS/MS method for the determination of hydroxyl derivatives of PAHS in particular matter
5.	de Zea Bermudez Verónica	Sustainable Energy Solutions: Electrochromic Innovations
6.	Frydel Laura Ewa, Worek Jagoda, Berent Katarzyna, Kaleta Daniel, Styszko Katarzyna	Adsorption of emerging contaminants onto modified and unmodified microplastic
7.	Gajda Paweł, Najder Jadwiga	Building nuclear workforce for a newcomer country
8.	Gdowska Katarzyna, Książek Roger, Kapłan Radosław	Optimization and management of an integrated energy system
9.	Gdowska Katarzyna, Książek Roger, Kapłan Radosław	Management-technology collaboration on introducing hydrogen technology in railway sector
10.	Gołębiewski Michał	Use of waste heat from natural gas compression processes
11.	Imilkowski Paweł, Markowski Jarosław, Netter Krzysztof	Methodology for identifying hydrogen in the chemical composition of unidentified gaseous fuels during the measurement of their calorific value and heat of combustion using an innovative gas calorimeter
12.	Gołoś Karol, Ślefarski Rafał	Analysis of the improvement of air quality in Poland in the 21st century in the context of a change in the method of heating in individual energetics.
13.	Jankowski Radosław, Ślefarski Rafał, Stachowski Adam	Potential and considerations for the use of biomethane in the decarbonisation process
14.	Jędrzejek Filip, Szarłowicz Katarzyna	Uranium extraction in a system using semi-permeable membranes
15.	Jodłowski Grzegorz S, Strzelec Edyta, Zdziobek Patryk, Wójcik Marta	Introducing circular economy principles in a biotechnology laboratory
16.	Jodłowski Grzegorz, Wójcik Sylwia	Assessment of the economic and ecological effect of installing photovoltaic panels on building roofs on the example of AGH
17.	Kapusta Katarzyna, Moskalewicz Katarzyna, Wójtowicz Wojciech	Brewery as a biorefinery. Spent grain simple fermentation towards obtaining bioethanol
18.	Kogut Krzysztof, Narloch Piotr, Zięba Ewa	Influence of altitude and physicochemical conditions on pressure values in a low-pressure gas network
19.	Kopeć Mariusz, Domańska Grażyna, Cetnar Jerzy	Feasibility of radiopharmaceutical production in high temperature reactors
20.	Kowalczyk Jacek, Siekierski Maciej, Moszczyński Piotr	Study on Corrosion Behaviour of Lead and its Alloys

21.	Kubiczek Anna, Czajkowski Ignacy, Cebo Jakub, Król Paweł, Dudek Magdalena, Raźniak Andrzej	Hydrogen projects in the activities of the AGH FENEC student scientific research club
22.	Legutko Piotr, Skałbiana Urszula, Marzec Mateusz, Michalik Marek, Adamski Andrzej	Optimization of potassium concentration in Ni-K/CeO ₂ model catalyst for dry methane reforming
23.	Lofek Magdalena, Darvishzad Termeh, Ejsmont Aleksander, Gościańska Joanna, Stelmachowski Paweł	Enhancing Oxygen Evolution Reaction efficiency - plasma treatment of carbon supports for cobalt-based electrochemical catalysts
24.	Mikusińska Joanna, Czerwińska Klaudia, Prus Zuzanna, Kuźnia Monika, Wilk Małgorzata	Hydrochars derived from agricultural digestate towards energy production
25.	Mokrzycki Jakub, Guzik Maciej, Kryściak-Czerwienka Joanna, Duraczyńska Dorota, Karcz Robert	Cryptomelane (K-OMS-2) enriched with copper as efficient catalysts for toluene combustion
26.	Mroczkowska-Szerszeń Maja	Spectroscopic structural properties of proton ionic conductors based on Uranyl Hydroxy-Phosphate and Hydroxy-Arsenate obtained in a mechanochemical synthesis
27.	Najman Joanna, Błażej Sylwia, Mietelski Jerzy W., Walencik-Łata Agata, Kozłowska Beata, Misiak Ryszard, Bartyzel Mirosław, Wąs Bogdan	Measurements of tritium in water using electrolytic enrichment and liquid scintillation counting spectrometer
28.	Olkuski Tadeusz, Zyśk Janusz	Hydropower in Poland – current status and development prospects
29.	Orzechowska-Zięba Agnieszka, Wolak Eliza, Mokrzycki Jakub	Synthesis of magnetic activated carbons as efficient adsorbent of trivalent chromium from aqueous solutions
30.	Osip Honorata, Zuber Krzysztof, Brankiewicz Aleksandra, Guevara-Lora Ibeth, Janik Jerzy F., Czosnek Cezary	Applications of silicon-based nanoparticles in the energy sector and biotechnology
31.	Pluta Marcin, Wyrwa Artur, Zyśk Janusz, Raczyński Maciej A.	Energy transition: insights into the future of the Polish power system until 2050
32.	Proszowska Allison, Vitushynska Yana, Rybowicz Paweł, Łamacz Agata, Adamski Andrzej	Sustainability of methanol production via catalytic hydrogenation of CO ₂
33.	Pyssa Justyna	Investigation of metal content in soils by means of mass spectrometry with ionization in the inductively coupled plasma ICP-MS and estimation of the uncertainty of the analytical process
34.	Samojeden Bogdan, Duraczyńska Dorota, Motak Monika	Characterization and Catalytic Performance of Manganese Iron Copper and Nickel-Promoted Cenospheres in Selective Reduction of NO by Ammonia (SCR-NH ₃)
35.	Samojeden Bogdan, Motak Monika	Development and Characterization of Vermiculite-Based Catalysts for SCR-NH ₃ : Efficiency at 300-450°C
36.	Stobiński Marcin	Application of principal component analysis to the interpretation of gamma radionuclide content in technogenic soil profiles
37.	Strzelec Edyta, Chmiel Maria J.	Biocatalysts – glycerol case in large scale industry
38.	Szarłowicz Katarzyna	Prospective use of soils as a source of natural sorbents used in environmental decontamination from ¹³⁷ Cs
39.	Śpiewak Katarzyna, Czerski Grzegorz, Soprych Piotr	Examinations of catalytic waste tire char gasification directed towards obtaining hydrogen-rich gas

40.	Taler Jan, Taler Dawid, Kaczmarski Karol, Jaremkiewicz Magdalena, Dzierwa Piotr, Trojan Marcin	Monitoring transient thermal stresses in pressurised cylindrical components based on temperature measurements.
41.	Vitushynska Yana, Proszowska Allison, Rybowicz Paweł, Samojeden Bogdan, Motak Monika, Michalik Marek, Adamski Andrzej	Use of cenospheres from fly ashes as components of oxide catalysts active in reactions of environmental importance
42.	Vogt Elżbieta	Hydrophobized vermiculite for the removal of petroleum-derived pollution
43.	Walendzik Izabela, Kordek-Khalil Karolina, Rutkowski Piotr	Advanced Carbon-based OER Electrocatalysts for Sustainable Energy Solution
44.	Wielgus Szymon, Trojan Marcin	Optimization of Flue Gas Cleaning Installation Based on CFD Simulation of a Power Boiler Operation
45.	Worek Jagoda, Kawoń Kamil, Chwiej Joanna, Berent Katarzyna , Kaleta Daniel, Styszko Katarzyna	Analysis of the content composition and structure of microplastics found in sewage sludge
46.	Wójcik Sylwia	Characterization of gamma radionuclides in tobacco cultivation and processing
47.	Wyrwa Artur, Raczyński Maciej A., Wyrwa Emilia, Pluta Marcin, Zyśk Janusz	Analysis of Non-Market Redispatching of Power Generation from Variable Renewable Energy Sources
48.	Zyśk Janusz, Wyrwa Artur, Pluta Marcin, Suwała Wojciech, Raczyński Maciej	Development of climate scenarios for the Małopolska Voivodeship