

**Sesja Młodych Badaczy 1**

Piątek, 1 lipca, 11:00-13:15

Dziedzina

**Young Researcher's Session 1**

Friday, July 1, 11:00-13:15

Domain

PHYSICAL &amp; ENGINEERING SCIENCES

#	Nazwisko Surname	Imię Name	Tytuł Title
1	Guziejewski	Dariusz	Electrode kinetic measurements with square-wave voltammetry at a constant scan rate
2	Brudzisz	Anna	Silver nanowires array electrodes for reduction of trichloromethane
3	Olak-Kucharczyk	Magdalena	Removal of estrogenic compounds from aqueous environment using advanced oxidation processes
4	Gmurek	Marta	The toxicity assessment of photochemical decomposition of hazardous aqueous contamination under natural sunlight
5	Buczkowski	Adam	Spectroscopic and calorimetric studies of PAMAM G4-NH <sub>2</sub> and G4-OH dendrimers as carriers of 5-fluorouracil in aqueous solutions
6	Wierzbicka	Ewa	Epinephrine determination and a study of its oxidation metabolism
7	Gawlak	Karolina	Optimization of electrochemical oxidation of tin in basic electrolyte
8	Ripenko	Vasyl	Experimental study of melting zircon in alkali aluminosilicate melt.
9	Łuczkiwicz	Paulina	Interferometric test of possible damage of a hydrogel dressing by irradiation from a therapeutic laser
10	Deichuk-Sokol	Galyna	Silver/saponite nanocomposites: synthesis, structure, properties and application opportunities

11	Filonenko	Svitlana	Carbon based porous materials modified with earth abundant elements as high-performance nonprecious metal catalysts for clean energy applications
12	Golasiński	Karol	Thermomechanical investigation of Gum Metal - new innovative titanium alloy for biomedical applications
13	Jaanuska	Ljubov	Random forest for crack identification in beams on Pasternak foundation
14	Matykiewicz	Danuta	Environmentally friendly polymer composites
15	Pawlik	Anna	Nanoporous Titanium Oxide Layers as a Potential Implant Material
16	Tynkevych	Olena	Alloyed Semiconductor Quantum Dots as a promising materials for the biomedical applications
17	Ustavytska	Olena	Electrochemical Preparation and Properties of Multilayer N-graphene
18	Senyk	Ilona	People protection from microwaves using graphite-carbon-polymer composites
19	Zgureva	Denitza	Closed cycle for environmental protection in thermal power plants – CO2 capture by fly ash zeolites
20	Stefaniuk-Grams	Anna	Determination of the correlation between the electrical parameters of organic solar cells, photogeneration quantum yield and transport of charge carriers.
21	Ławniczak	Karol	Dark energy - the key to the longevity of the Universe
22	Korvel	Grażina	Developing mathematical models for speech sounds
23	Stranz	Jędrzej	The comparison of exoskeleton's control algorithms on the example of an elbow joint