PhD Advisor form

Name of the advisor: Piotr Jasiński

Academic title: Ph.D., D. Sc., Eng.

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Discipline[i] control, electronic and electrial engineering; materials engineering

Bibliometric indicators

1.	Number of journal publications in WoS/ Scopus	141/150
2.	Citations (WoS/Scopus) excluding self-citations	1397/1544
3.	Hirsch index (WoS/Scopus)	19/21
4.	Hirsch index in Google Scholar	24
5.	Citations in Google Scholar	2426

1. The number of PhD students who have graduated under your supervision: 5
2. The number of PhD students currently supervised: 4
3. Are you currently accepting new PhD students:
   a. Polish Yes
   b. Foreign Yes

Research interests or topics offered for PhD research (no more than 2000 characters)[ii]

The research interests and PhD thesis topics are in the fields of:

- development of solid state gas sensors (e.g. metal oxide-graphene composites),
- electronic nose and algorithms for their data analysis,
- application of multivariate pattern recognition techniques,
- development of technologies for thin and thick film fabrication (e.g. spray pyrolysis, spin coating, electrospinning, electrophoretics, electrodeposition),
- new materials for effective electrodes of solid oxide cells,
- energy harvesting devices,
- development of electrical and electrochemical measurement techniques,
- additive manufacturing technologies.

PhD Advisor form

Funding or special equipment needed to carry out a PhD project [iii]:

1. Is funding available for experimental work: Yes
2. Is the equipment needed to complete a PhD project available in your lab/department: Yes

Most recent publications in WoS/SCOPUS journal – no more than 5 published after 1.01.2017

No	Authors/title/journal	Journal IF/Quartile – for WoS and SNIP/ CiteScore for SCOPUS	Publication year
1.	A. Mroziński, S. Molin, J. Karczewski, T. Miruszewski, P. Jasiński, Electrochemical properties of porous Sr0. 86Ti0. 65Fe0. 35O3 oxygen electrodes in solid oxide cells: Impedance study of symmetrical electrodes, International Journal of Hydrogen Energy	4,229/Q1/1,267	2018
2.	K. Cysewska, L.F. Macía, P. Jasiński, A. Hubin, In-situ odd random phase electrochemical impedance spectroscopy study on the electropolymerization of pyrrole on iron in the presence of sodium salicylate–the influence of the monomer concentration, Electrochimica Acta	5,116/Q1/1,101	2018
3.	K.J. Dunst, K. Trzciński, B. Scheibe, M. Sawczak, P. Jasiński, Study of the NO2 sensing mechanism of PEDOT-RGO film using in situ Raman Spectroscopy, Sensors and Actuators B: Chemical	5,667/Q1/1,453	2018
4.	B. Kamecki, J. Karczewski, T. Miruszewski, G. Jasiński, D. Szymczewska, P. Jasiński, S. Molin, Low temperature deposition of dense MnCo2O4 protective coatings for steel interconnects of Solid Oxide Cells, Journal of the European Ceramic Society	3,794/Q1/1,698	2018
5.	J. Karczewski, T. Brylewski, T. Miruszewski, K.B. Andersen, P. Jasinski, S. Molin, High-temperature kinetics study of 430L steel powder oxidized in air at 600-850°C, Corrosion Science	4,862/Q1/2,252	2019

Most recent externally funded projects you were involved in – no more than 3

No	Project title, the name of the Princ. Investigator (PI) and the institution the project was carried out	Year awarded	Role in the project
1.	National Science Centre Poland, OPUS 2017/25/B/ST8/02275, Understanding and minimization of ohmic and polarization losses in solid oxide cells by nanocrystalline ceramic and cermet functional layers (MiLoSoc), P.I. Piotr Jasiński, Gdańsk University of Technology	2018	PI
2.	National Science Centre Poland, Harmonia UMO-2017/26/M/ST8/00438, Quest for novel materials for solid oxide cell interconnect coatings (NoMaSOIC), P.I. - Piotr Jasiński, Gdańsk University of Technology	2018	PI

3.	National Center for Research and Development, 5th Polish-Taiwanese Research Program DZP/PL-TWV/47-2018, Materials for Direct Power-to-Hydrocarbon Conversion (Power2Hcarbon), P.I. - Piotr Jasiński, Gdańsk University of Technology	2018	PI

Additional relevant information – (no more than 1600 charters)[iv]

(Please fill in here)

[i] You may select up to two disciplines out of 12 disciplines represented in the Doctoral School
[ii] Observe the limit of not more than 300 words
[iii] Leave only one answer
[iv] Add any other relevant information eg. awards for PHD students whom you supervised (no more than 200 words)