

Research Profile – Dzmitry Zaitsau

Personal data

Name, First Name Zaitsau, Dzmitry
Business address Research Center of Combustion Engines and Thermodynamics Rostock; Institute of Technical Thermodynamics University of Rostock
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Education

Study of Chemistry (09/1996 – 07/2001) at Belarusian State University, Minsk, Belarus. Diploma with honor degree,

Scientific degree

PhD in “Physical Chemistry” Belarusian State University, Minsk, Belarus, 06/2004

Academic Career

Since 2022 Researcher at Research Center of Combustion Engines and Thermodynamics Rostock; Institute of Technical Thermodynamics University of Rostock
2010 - 2022 Senior Researcher in Institute of Chemistry University of Rostock, Rostock, Germany
2009 Researcher in Leibniz Institute of Catalysis, Rostock, Germany
2007 - 2008 Associated Professor in Belarussian State University, Minsk, Belarus
2003 - 2007 Assistant Professor in Belarussian State University, Minsk, Belarus

Projects

“Molecular level insight in the thermal Stability of ionic liquids” DFG 2019 –2022. Principal Investigator
Research excellence Grant in the European Metrology Research Program JRP-ENG09 “Metrology of Biofuels”, 2010 – 2013, Principal investigator
"Thermodynamic study of the process of synthesis and purification of esters of fatty acids – biologically active substances" 2007 – 2009, Principal Investigator
“Investigation of dependence between structure and physicochemical properties of green neoteric solvents – ionic liquids” INTAS – Belarus № 03-05-5526. 2005 – 2007. Researcher
"Physico-chemical parameters of vaporization and diffusion of pheromones" 2006 – 2008, Researcher, Manager
"The study of the thermodynamic properties of cyclohexyl propionate in the condensed state." 01.2004 - 12.2004. Principal Investigator

Scientific Interests

Experimental methods of Thermodynamics and Thermochemistry
Vaporization and Sublimation of pure compounds and mixtures
Theoretical background of structure-property correlations
Thermal stability and thermally initiated decomposition

Scientific Metrics

H-index 32 by Scopus.com (October 2023)

<https://www.scopus.com/authid/detail.uri?authorId=6506832447>

<https://orcid.org/0000-0002-4002-7019>

<https://www.webofscience.com/wos/author/record/E-5874-2016>