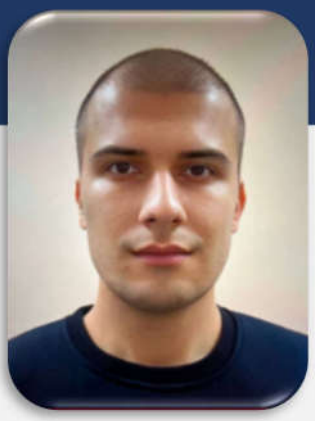

Pavlo Lishchuk

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Official (postal) address: Ukraine, 01601, Volodymyrska street, 64/13, Faculty of Physics.

Profile in Bibliographic Databases:

Scopus | Researchgate | GoogleScholar | Orcid

EDUCATION

Ph.D. in Solid State Physics
Dec 2015 - Nov 2018

Faculty of Physics, Taras Shevchenko National University of Kyiv
Advisor: Dr. Roman Burbelo
Dissertation: Features of thermal transport in porous silicon-based semiconductor structures

MSc in Physics of Nanosystems
Aug 2013 - June 2015

Faculty of Physics, Taras Shevchenko National University of Kyiv
degree with distinction

Bachelor in Physics and Astronomy
Sep 2009 - June 2013

Faculty of Physics, Taras Shevchenko National University of Kyiv

RELEVANT WORK EXPERIENCE

Teaching assistant
2019 – Present

General Physics Department,
Faculty of Physics, Taras Shevchenko National University of Kyiv

Engineer of Studied Laboratory
2018 – 2019

Faculty of Physics,
Taras Shevchenko National University of Kyiv

SCOPUS PROFILE INFORMATION

h-index – 5, number of records – 21, number of citations – 92 (*date of checking 28-April-2023*)

ACADEMIC AWARDS

2022 Awarded by The Honorary Diploma of the Presidium of National Academy of Science of Ukraine.

2015 Awarded a Diploma for participating in the All-Ukrainian competition of student research papers in Physics **(**Ministry of Education and Science of Ukraine)

PARTICIPATION IN THE SCIENTIFIC PROJECTS

Carbon-based nano-materials for theranostic application. Funding scheme: Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE), HORIZON-2020. Call: H2020-MSCA-RISE-2015

Features of photothermal and photoacoustic processes in low-dimensional silicon-based semiconductor systems. Youth project of the Ministry of Education and Science of Ukraine (2018-2020), Ukraine.

Ultra-small Nanohybrides for Advanced Theranostics (UNAT) Funding scheme: Marie Sklodowska-Curie Actions (MSCA), Research and Innovation Staff Exchange (RISE), Call:H2020-MSCA-RISE-2020

TRAVEL GRANTS FOR THE PRESENTATIONS

Impact of thermal annealing on photoacoustic response and heat transport in porous silicon based nanostructured materials.
Thermophysics 2019, 22nd - 24th October, 2019, Smolenice, Slovakia.

Characterization of Porous Silicon Based Composite Nanostructures by Means of Photoacoustic Technique. The 2018 IEEE 8th International Conference on Nanomaterials: Applications & Properties (NAP-2018), 9-14 September, 2018, Zatoka, Ukraine.

Features of thermal transport in porous silicon based nanocomposite systems.
International Conference Porous Semiconductors Science and Technology (PSST – 2016), 6-11 March, 2016, Tarragona, Spain.

Investigations of thermal transport properties in porous silicon by photoacoustic technique.
Conference Photoacoustic and Photothermal Theory and Applications (CPPTA-II), 23-26 September, 2014, Warsaw, Poland.

REFEREE OF THE JOURNALS

Advanced Optical Materials, Journal of Applied Physics.

PROFESSIONAL SKILLS

MAIN RESEARCH AREAS:

Photothermal and photoacoustic phenomena

Heat transport in bulk and nanostructured materials

COMPUTING SKILLS

Fully conversant with Origin, MatLab, Comsol Multiphysics, Arduino, LabView, Microsoft Office, Inkscape, VEGAS Pro

Programming skills in c++

LANGUAGE COMPETENCIES

Superior skills in Ukrainian and Russian (oral and written)

Intermediate skills in English (oral and written)