



LESIA CHEPELA

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H-INDEX (GOOGLE SCHOLAR, SCOPUS)

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PUBLICATION SUMMARY

2 articles in international journals;
1 articles in national (Ukrainian) journals;
2 abstracts in conferences.

LANGUAGES

Ukrainian	●●●●●
Russian	●●●●●
English	●●●●○

EDUCATION

PhD degree, physics and astronomy

2020–present
Taras Shevchenko National University of Kyiv, Kyiv (Ukraine).

Master's degree, physics of nanosystems

2018–2020
Taras Shevchenko National University of Kyiv, Kyiv (Ukraine).
Honors Diploma. The total mark is 93,8/100

Bachelor's degree, physical material

2014–2018
Taras Shevchenko National University of Kyiv, Kyiv (Ukraine).
Honors Diploma. The total mark is 84,3/100

Internship

2019
Ecole Centre de Lyon, F LYON11, ERASMUS +, France
2023
Université de Lorraine, F Nancy 43, ERASMUS +, France

WORK EXPERIENCE

Physics of Laboratory

09.2018–12.2018
Taras Shevchenko National University of Kyiv, Faculty of Physics
(Kyiv, Ukraine)

07.2019–12.2019
Taras Shevchenko National University of Kyiv, Faculty of Physics
(Kyiv, Ukraine)

SKILLS

Instrumentation

Photothermal and photoacoustic techniques, Raman-Spectroscopy,
electrochemical etching.

Software

MS Office, Origin, COMSOL.

ARTICLES IN PEER REVIEWED INTERNATIONAL JOURNALS

- 2019 Dubyk, K.; **Chepela, L.**; Lishchuk, P.; Belarouci, A.; Lacroix, D.; Isaiev, M. Features of photothermal transformation in porous silicon based multilayered structures. Applied Physics Letters, 2019, 115(2), 021902
- 2023 Lishchuk P.; Vashchuk A.; Rogalsky S.; **Chepela L.**; Borovyi M.; Lacroix D.; Isaiev M. Thermal transport properties of porous silicon filled by ionic liquid nanocomposite system Scientific Reports 2023, 13, 5889

ARTICLES IN PEER REVIEWED UKRAINIAN JOURNALS

- 2020 Dubyk, K.; **Chepela, L.**; Alekseev, S.; Kuzmich, A.; Zousman, B.; Levinson, O.; Rozhin, A.; Geloien, A.; Isaiev, M.; Lysenko, V. Some types of carbon-based nanomaterials as contrast agents for photoacoustic tomography, Journal of Nano- and Electronic Physics, 2020, 12(4), 04033

ARTICLES AND PROCEEDINGS OF INTERNATIONAL AND UKRAINIAN CONFERENCES

- 2022 **Chepela L.**, Lishchuk P., Shevchenko V., Kuryliuk V., Polishchuk E., Kuzmich A., Teselko P., Matushko I., Borovyi M. Fabrication and Photoacoustic Characterization of Multilayered Structures Based on Porous Silicon. (accepted for oral presentation) 2022 IEEE 41st International Conference on Electronics and Nanotechnology (ELNANO), October 10 – 14, 2022 in Kyiv, Ukraine
- 2022 Lishchuk P., **Chepela L.**, Polishchuk E., Shevchenko V., Kuryliuk V., Borovyi M., Lacroix D., Isaiev M. Investigation of Thermal Transport Properties of Multilayer Porous Silicon Based Hybrid Nano-structures by Photo-acoustic Technique. 2022 IEEE 12th International Conference "Nanomaterials: Applications & Properties" (IEEE NAP-2022), Sept. 11-16, 2022, Krakow, Poland
- 2018 **Chepela L.I.**, Isaiev M.V, Lishchuk P.O. Features of photothermal transformation in multilayer systems based on porous silicon // Book of abstracts. Young Scientist conferenc "The Science of the 21st Century: Modern Problems of Physics" - Taras Shevchenko National University of Kyiv, May 15-17, 2018.