
Most Relevant Publications List

1. **Pavlo Lishchuk**, Alina Vashchuk, Sergiy Rogalsky, Lesia Chepela, Mykola Borovy, David Lacroix, Mykola Isaiev (2023) Thermal transport properties of porous silicon filled by ionic liquid nanocomposite system // Scientific Reports, vol. 13, Article number: 5889
2. Isaiev, M., Mussabek, G., **Lishchuk, P.**, Lacroix, D., Lysenko, V. (2022) Application of the Photoacoustic Approach in the Characterization of Nanostructured Materials // Nanomaterials, 12(4), 708
3. Vashchuk, A., Motrunich, S., **Lishchuk, P.**, Isaiev, M., Iurzhenko, M. (2022) Thermal conductivity and mechanical properties of epoxy vitrimer nanocomposites reinforced with graphene oxide // Applied Nanoscience (Switzerland)
4. Litvinenko, S., **Lishchuk, P.**, Lysenko, V., Isaiev, M. (2021) Bi-modal photothermal/optical microscopy for complementary bio-imaging with high resolution and contrast // Applied Physics B: Lasers and Optics, 127(10), 139
5. **Lishchuk, P.** (2021) Optimized photoacoustic gas-microphone cell for semiconductor materials thermal conductivity monitoring // Physics and Chemistry of Solid State, 22(2), pp. 321–327
6. Poperenko, L.V., Rozouvan, S.G., Yurglevych, I.V., **Lishchuk, P.O.** (2020) Angular ellipsometry of porous silicon surface layers // Journal of Nano- and Electronic Physics, 12(3), 03024K.
7. Dubyk, L. Chepela, **P. Lishchuk**, A. Belarouci, D. Lacroix, M. Isaiev (2019) Features of photothermal transformation in porous silicon based multilayered structures // Applied Physics Letters – Vol. 115 – 021902 1-5
8. **Lishchuk, P.**, Isaiev, M., Osminkina, L., Burbelo, R., Nychyporuk, T., Timoshenko, V. (2019) Photoacoustic characterization of nanowire arrays formed by metal-assisted chemical etching of crystalline silicon substrates with different doping level // Physica E: Low-dimensional Systems and Nanostructures – Vol. 107 – P. 131-136
9. **Lishchuk P.**, Dekret A., Pastushenko A., Kuzmich A., Burbelo R., Belarouci A., Lysenko V., Isaiev M. (2018) Interfacial thermal resistance between porous layers: Impact on thermal conductivity of a multilayered porous structure // International Journal of Thermal Sciences, vol. 134, pp. 317-320.
10. **П.О. Ліщук**, Р.М. Бурбело, М.В. Ісаєв (2018) Особливості теплового транспорту у композитних системах на основі кремнієвих нанониток // Наносистеми, Наноматеріали, Нанотехнології, v. 16, №. 2, С. 313-321 (in ukrainian)
11. **Pavlo Lishchuk**, Dmytro Andrusenko, Mykola Isaiev, Vladimir Lysenko, Roman Burbelo (2015) Investigation of Thermal Transport Properties of Porous Silicon by Photoacoustic Technique // Int. J. Thermophys., vol. 36, no. 9, pp. 2428–2433.
12. M. Isaiev, P. J. Newby, B. Canut, A. Tytarenko, **P. Lishchuk**, D. Andrusenko, S. Gomès, J.-M. Bluet, L. G. Fréchette, V. Lysenko, R. Burbelo. (2014) Thermal conductivity of partially amorphous porous silicon by photoacoustic technique // Materials Letters, Vol. 128, pp. 71–74.
13. A. Assy, S. Gomès, **P. Lishchuk**, M. Isaiev. Thermal wave methods. In: K. Termentzidis ed. Nanostructured semiconductors: amorphisation and thermal properties. Boca Raton: CRC Press (2017)