

Наукові публікації:

Scopus, h=4

1. Viter, R., **Savchuk, M.**, Starodub, N., Balevicius, Z., Tumenas, S., Ramanaviciene, A., ... & Ramanavicius, A. (2019). Photoluminescence immunosensor based on bovine leukemia virus proteins immobilized on the ZnO nanorods. *Sensors and Actuators B: Chemical*, 285, 601-606.
2. Viter, R., **Savchuk, M.**, Iatsunskyi, I., Pietralik, Z., Starodub, N., Shpyrka, N., ... & Ramanavicius, A. (2018). Analytical, thermodynamical and kinetic characteristics of photoluminescence immunosensor for the determination of Ochratoxin A. *Biosensors and Bioelectronics*, 99, Pages 237-243.
3. V. Myndrul, R.Viter, **M. Savchuk**, N. Shpyrka. (2018). Porous silicon based photoluminescence immunosensor for rapid and highly-sensitive detection of Ochratoxin A. *Biosensors and Bioelectronics*, Volume 102. Pages 661-667.
4. Myndrul, V., Viter, R., **Savchuk, M.**, Koval, M., Starodub, N., Silamiķelis, V., ... & Iatsunskyi, I. (2017). Gold coated porous silicon nanocomposite as a substrate for photoluminescence-based immunosensor suitable for the determination of Aflatoxin B1. *Talanta*, 175. Pages 297-304.
5. Viter, R., **Savchuk, M.**, Riekstina, U., Poletaev, N., Pleiko, K., & Ramanavicius, A. (2017, September). Photoluminescence ZnO nanorod biosensors for medical and food safety applications. In 2017 IEEE 7th International Conference Nanomaterials: Application & Properties (NAP) (pp. 04NB16-1). IEEE.
6. Costenaro D., Bisio C., Carniato F., Safronyuk S. L., Kramar T. V., **Taran M. V.**, Starodub M. F., Katsev A. M., Guidotti M. (2017). Physico-chemical Properties, Biological and Environmental Impact of Nb-saponites Catalysts for the Oxidative Degradation of Chemical Warfare Agents. *Chemistry Select*. Vol. 2 (5). Pages 1812–1819.
7. Starodub, N. F., Shavanova, K. E., **Taran, M. V.**, Katsev, A. M., Safronyuk, S. L., Son'ko, R. V., ... & Guidotti, M. (2014). Nanomaterials: biological effects and some aspects of applications in ecology and agriculture. *Proc. SPIE 9421, Eighth International Conference on Advanced Optical Materials and Devices (AOMD-8)* Vol. 9421, Pages 942106.
8. **Taran, M. V.**, Starodub, N. F., Katsev, A. M., Guidotti, M., Khranovskyy, V. D., Babanin, A. A., & Melnychuk, M. D. (2013). Biocidal effects of silver and zinc oxide nanoparticles on the bioluminescent bacteria. In *Biophotonics—Riga 2013* Vol. 9032, Pages 90320I.
9. N.F. Starodub, **M.V. Taran**, N.F. Shpirka, K.E. Shavanova Fiber optic SOS-type biosensor for the control of the genotoxicity of some environmental objects. (2016). *World Journal of Engineering Research and Technology WJERT*. Vol. 2, Issue 4, Pages 123 -130.