

Lista 10 lucrări reprezentative

1. Porumb Vlad; **Trandabăț** Alexandru Florentin; Terinte Cristina; Căruntu Irina-Draga; Porumb-Andrese Elena; Dimofte Mihail Gabriel; Pieptu Dragoș. Design and Testing of an Experimental Steam-Induced Burn Model in Rats. — *BioMed Research International* 2017;9878109; DOI: 10.1155/2017/9878109. — 2017. IF=2.583 **Q2**
2. **Trandabăț**, Alexandru F.; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Aradoaei, Sebastian. Ceramic Nanotubes-Conducting Polymer Assemblies with Potential Application as Chemosensors for Breath Ammonia Detection in Chronic Kidney Disease. — *Chemosensors* 12(9):198; DOI: 10.3390/chemosensors12090198. — 2024. IF=3.7 **Q2**
3. Schreiner, Oliver Daniel; **Trandabăț**, Alexandru F.; Ciobanu, Romeo Cristian; Schreiner, Thomas Gabriel. TiO₂ Ceramic Nanotubes-Conducting Polymer Assemblies with Embedded Gold Particles for Potential Use as Chemosensors in the Detection of Oral Diseases. — *Chemosensors* 13(4):117; DOI: 10.3390/chemosensors13040117. — 2025. IF=3.7 **Q2**
4. **Trandabăț**, Alexandru F.; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Plopa, Olga; Ciobanu, Romeo Cristian. Study on Hybrid Assemblies of Graphene and Conducting Polymers with Embedded Gold Nanoparticles for Potential Electrode Purposes. — *Chemosensors* 13(4):130; DOI: 10.3390/chemosensors13040130. — 2025. IF=3.7 **Q2**
5. **Trandabăț**, Alexandru Florentin; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel. Active Surfaces in Sensor Technologies Utilizing Ceramic Nanotube-Conducting Polymer Composites Containing Embedded Gold Nanoparticles. — *Coatings* 15(10):1211; (DOI <https://doi.org/10.3390/coatings15101211>). — 2025. IF=2.8 **Q2**
6. **Trandabăț**, Alexandru Florentin; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel; Aradoaei, Mihaela; Aradoaei, Sebastian Teodor. Manufacturing of TiO₂, Al₂O₃ and Y₂O₃ Ceramic Nanotubes for Application as Electrodes for Printable Electrochemical Sensors. — *Crystals* 14(5):454; DOI: 10.3390/cryst14050454. — 2024. IF=2.4 **Q2**
7. **Trandabăț**, Alexandru F.; Ciobanu, Romeo C.; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Aradoaei, Sebastian. Chemiresistors Based on Hybrid Nanostructures Obtained from Graphene and Conducting Polymers with Potential Use in Breath Methane Detection Associated with Irritable Bowel Syndrome. — *International Journal of Molecular Sciences* 25(10):5552; DOI: 10.3390/ijms25105552. — 2024. IF=4.9 **Q1**
8. Monge, J.; Postolache, O.; **Trandabăț**, Alexandru; Macovei, Ș. Multi-node potentiostat device and multiplatform mobile application for on-field measurements. — 2020 International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, pp. 695–698; DOI: 10.1109/EPE50722.2020.9305567. — 2020.
9. Tudorancea Ionuț; Porumb Vlad; **Trandabăț** Alexandru; Neaga Decebal; Tamba Bogdan; Iliescu Radu; Dimofte Gabriel M. New experimental model for single liver lobe hyperthermia in small animals using non-directional microwaves. — *PLOS ONE* 12(9):e0184810; DOI: 10.1371/journal.pone.0184810. — 2017. IF=2.766 **Q1**
10. Postolache G; **Trandabat** A, Plopa O; Girao PS; Postolache O; Wearable Devices for Studying Microvascular Reactivity - It Is Feasible?2019 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB) NOV 21-23, 2019 IEEE Romania Sect, IEEE EMB Romania Chapter, IEEE EMC Romania Chapter, IEEE Signal Proc Romania Chapter, IEEE SMC Romania Chapter 978-1-7281-2603-6 2019; WOS:000558648300137