

Candidat abilitare: CSII Dr. Petronela Pascariu

Lista cu lucrări științifice relevante pentru domeniul de abilitare

- [1] **P. Pascariu**, A. Dascalu, A. Bele, C.P. Constantin, *Electrochemical and electronic properties of electrospun NiO–SnO₂ nanofibers: Influence of heterojunction composition on energy storage behavior*, Journal of Power Sources 662 (2026) 238721, **IF: 7.9 (Q1)**.
- [2] **P. Pascariu***, F. Tudorache, C. Romanitan, A.B. Serban, E. Koudoumas, *1 % lanthanide-doped ZnO nanostructures as a versatile approach for state-of-the-art capacitive and resistive humidity sensors*, Ceramics International 51 (2025) 17090–17100, **IF: 5.6 (Q1)**.
- [3] C. Cojocaru, **P. Pascariu***, C. Romanitan, M. Sillion, P. Samoila, Andreea B. Serban, *Intensification of organic pollutant degradation under visible light irradiation using ZnO nanostructured photocatalysts doped with praseodymium*, Applied Surface Science 661 (2024) 160042, **IF: 6.9 (Q1)**.
- [4] **P. Pascariu***, M. Homocianu, L. Vacareanu, M. Asandulesa, *Multi-functional materials based on Cu doped TiO₂ ceramic fibers with enhanced pseudocapacitive performances and their dielectric characteristics*, Polymers 14 (2022) 4739, **IF: 4.9 (Q1)**.
- [5] **P. Pascariu***, C. Cojocaru, M. Homocianu, P. Samoila, I. Grecu, A. Bele, *New composite membranes based on PVDF fibers loaded with TiO₂:Sm nanostructures and reinforced with graphene/graphene oxide for photocatalytic applications*, Surfaces and Interfaces 34 (2022) 102382, **IF: 6.3 (Q1)**.
- [6] **P. Pascariu***, C. Cojocaru, M. Homocianu, P. Samoila, *Tuning of Sm³⁺ and Er³⁺-doped TiO₂ nanofibers for enhancement of the photocatalytic performance: Optimization of the photodegradation conditions*, Journal of Environmental Management 316 (2022) 115317, **IF: 8.4 (Q1)**.
- [7] **P. Pascariu***, C. Cojocaru, P. Samoila, A. Airinei, N. Olaru, A. Rotaru, C. Romanitan, L.B. Tudoran, M. Sucheas, *Cu/TiO₂ composite nanofibers with improved photocatalytic performance under UV and UV-visible light irradiation*, Surfaces and Interfaces 28, 101644 (2022) 1–15, **IF: 6.3 (Q1)**.
- [8] **P. Pascariu**, D. Vernardou, I.V. Tudose, M. Sucheas, A. Airinei, L. Ursu, S. Bucur, O. Ionescu, E. Koudoumas, *Tuning electrical properties of polythiophene/nickel nanocomposites via fabrication*, Materials and Design 182 (2019) 108027, **IF: 7.9, (Q1)**.

- [9] *P. Pascariu**, M. Homocianu, C. Cojocaru, P. Samoila, A. Airinei, M. Sucheai, *Preparation of La doped ZnO ceramic nanostructures by electrospinning – calcination method: Effect of La³⁺ doping on optical and photocatalytic properties*, Applied Surface Science 476 (2019) 16–27, **IF: 6.9, (Q1)**.
- [10] *P. Pascariu**, A. Airinei, N. Olaru, I. Petrila, V. Nica, L. Sacarescu, F. Tudorache, *Microstructure, electrical and humidity sensor properties of electrospun NiO–SnO₂ nanofibers*, Sensors and Actuators B 222, 1024–1031 (2016), **IF: 7.7, (Q1)**.

Data,

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Semnatura,

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