

Publicate:

1. A.-C. Iancu, N. G. Apostol, A. Nicolaev, L. E. Abramiuc, C. F. Chirilă, D. G. Popescu, and C. M. Teodorescu, *Molecular adsorption-desorption of carbon monoxide on ferroelectric BaTiO₃(001)*, Mater. Adv. **5**, 5709–5723 (2024). IF = 5.2, AIS = 0.861.
2. A.-C. Iancu, A. Nicolaev, N. G. Apostol, L. E. Abramiuc, and C. M. Teodorescu, *Reversible oxidation of ethylene on ferroelectric BaTiO₃(001): an X-ray photoelectron spectroscopy study*, Heliyon **10**, e35072(1–14) (2024). IF = 3.4, AIS = 0.615.
3. D. G. Popescu, A. Nicolaev, R. M. Costescu, L. E. Borcan, G. A. Lungu, C. A. Tache, M. A. Huşanu, and C. M. Teodorescu, *Spin asymmetry of O 2p –related states in SrTiO₃(001)*, Phys. Scr. **99**, 105925(1–11) (2024). IF = 2.6, AIS = 0.395.
4. A.-C. Iancu, G. A. Lungu, C. A. Tache, and C. M. Teodorescu, *Ferroelectric-enabled significant carbon dioxide molecular adsorption on BaTiO₃(001)*, Mater. Adv. **5**, 8798–8811 (2024). IF = 5.2, AIS = 0.861.
5. G. Patrinoiu, A. M. Musuc, J. M. Calderon-Moreno, M. Florea, F. Neatu, and P. Ionita, *Honey-derived hydrochar containing 2,2,6,6-tetramethylpiperidine-1-oxyl free radical for degradation of aqueous organic pollutants*, Environ. Proc. **11**, 60(1–21) (2024). IF = 3.7, AIS = 0.545.
6. Ş.-B. Ivan, M. M. Trandafir, F. Papa, C. C. Negri, S. Lorient, M. Florea, I. Popescu, and I.-C. Marcu, *Investigation of the effect of the third cation M (M = Mg, Al, Mn, and Fe) on the properties and catalytic behavior in ethane oxidative dehydrogenation of M–NiNbO mixed oxides*, Ind. Eng. Chem. Res. **63**, 18832–18848 (2024). IF = 3.8, AIS = 0.649.
7. A. C. Iacoban, T. Halder, F. Neaţu, I. M. Chirica, A. G. Mirea, S. Neaţu, M. W. Barsoum, M. Florea, *Catalytic behaviour of CuO_x and VO_x on Ti₃SiC₂ support for direct oxidation of methane*, Catal. Today **443**, 114959 (2025). IF = 5.2, AIS = 0.832.
8. I. M. Chirica, A. G. Mirea, T. Şuteu, A. Kuncser, Ş. Neaţu, M. Florea, M. W. Barsoum, and F. Neaţu, *Acid-modified, Ti₃C₂-based MXene as catalysts for upcycling polyethylene terephthalate*, ACS Sust. Chem. Eng. **12**, 9766–9776 (2024). IF = 7.1, AIS = 1.358.
9. G. Mitran, F. Neaţu, O. D. Pavel, Ş. Neaţu, A. Urdă, and M. Florea, *Influence of molybdenum incorporation on the structural, chemical, and catalytic properties of iron cobaltite and cobalt ferrite catalysts*, Appl. Catal. A, General **679**, 119739 (2024). IF = 4.7, AIS = 0.792.
10. K. G. Nguyen, M. Huš, I.-A. Baragau, J. Bowen, T. Heil, A. Nicolaev, L. E. Abramiuc, A. Sapelkin, M. T. Sajjad and S. Kellici, *Engineering Nitrogen-Doped Carbon Quantum Dots: Tailoring Optical and Chemical Properties through Selection of Nitrogen Precursors*, Small, **20**, 2310587 (2024). IF = 13, AIS = 3.01.
11. G. Petcu, E. M. Anghel, I. Atkinson, D. C. Baran, N. G. Apostol, A. Kuncser, F. Popa, A. Baran, J. L. Blin, V. Parvulescu, *Composite Photocatalysts with Fe, Co, and Ni Oxides on Supports with Tetracoordinated Ti Embedded into Aluminosilicate Gel during Zeolite Y Synthesis*, Gels **10** (2), 129 (2024). IF = 5, AIS = 0.595.

12. A. Pena and C. Radu, *Floquet topological insulators with spin-orbit coupling*, Phys. Rev. B **109**, 075121 (2024). IF = 3.3, AIS = 0.89.
13. E. El Mahboub, O. El Khouja, A. E. Bocirnea, S. Zakaria, A. C. Galca, M. Mansori, and A. El Hichou *Investigation of kesterite to Stannite phase transition and band gap engineering in $\text{Cu}_2\text{Zn}_{1-x}\text{Co}_x\text{SnS}_4$ thin films prepared by sol-gel spin coating*, Appl. Surf. Sci. **672**, 160848 (2024) IF = 6.3, AIS = 0.893
14. A. T. Buruiana, A. E. Bocirnea, F. Sava, E. Matei, T. Tite, M. Apostol, I. D. Simandan, A. C. Galca, and A. Velea, *Two-step process for the fabrication of direct FLG/MoS₂ heterostructures*, Materials Chemistry and Physics **322**, 129530 (2024). IF = 4.3, AIS = 0.584
15. C. Mihai, I.-D. Simandan, F. Sava, A.-T. Buruiana, A. E. Bocirnea, T. Tite, M. Y. Zaki, and A. Velea *Synthesis of wrinkled MoS₂ thin films using a two-step method consisting of magnetron sputtering and sulfurization in a confined space*, Sustainability **16**(9), 3819 (2024). IF = 3.3, AIS = 0.533.
16. M. Oumezzine, A. M. Rostas, A. E. Bocirnea, H. El Kebir, and A. C. Galca, *A-site K-doped lanthanum manganite nanocrystalline $\text{La}_{0.67}\text{Ba}_{0.33}\text{MnO}_3$ for room-temperature micro-scale magnetic cooling*, Journal of Alloys and Compounds **976**, 173257 (2024). IF = 5.8, AIS = 0.787.
17. F. Sava, I.-D. Simandan, A.-T. Buruiana, A. E. Bocirnea, O. El Khouja, T. Tite, M. Y. Zaki, C. Mihai, and A. Velea, *Synthesis of WS₂ ultrathin films by magnetron sputtering followed by sulfurization in a confined space*, Surfaces, **7**(1), 108–119 (2024). IF = 2.3, AIS = 0.467.
18. A. U. Ammar, A. Popa, D. Toloman, S. Macavei, A. Ciorita, A.-E. Bocirnea, M. Stan, E. Erdem, and A. M. Rostas, *Nitrogen-doped WO₃ nanoparticles as electrode materials in all-in-one supercapacitor devices*, ACS Appl. Eng. Mater. **2**(1), 126–135 (2024). IF = ?, AIS = ? (new)
19. M. H. Aleinawi, E. Saritas, M. Stefan, A. U. Ammar, A. Hroub, F. B. Misirlioglu, A. Bocirnea, S. Macavei, S. Tripon, E. Erdem, and R. A. Mihai, *Supercapacitor devices based on multiphase MgTiO₃ perovskites doped with Mn²⁺ ions*, Materials Chemistry and Physics, **329**, 130016 (2025). IF = 4.3, AIS = 0.584.
20. F. Sava, C. Mihai, A.-T. Buruiana, A. E. Bocirnea, and A. Velea, *Fabrication and characterization of Fe-doped SnSe flakes using chemical vapor deposition*, Crystals, **14**(9), 790 (2024). IF = 2.4, AIS = 0.394.
21. A. C. Acosta, C. A. Arias, P. Biller, N. K. Wittig, I. A. Baragau, M. J. Alhnidi, G. Ravenni, Z. Sarossy, L. Benedini, L. E. Abramiuc, D. G. Popescu, W. Negassa, V. F. Marulanda, D. S. Muller-Stover, and H. Brix, *Hydrothermal carbonization and pyrolysis in wetland engineering: Carbon sequestration, phosphorus recovery, and structural characterization of willow-based chars with X-ray μ -computed tomography*, Chemical Engineering Journal **492**, 151916 (2024). IF = 13.4, AIS = 2.085.
22. I. Radu, A. I. Borhan, D. Ghercă, D. G. Popescu, C. N. Borca, T. Huthwelker, G. Bulai, G. Stoian, M. A. Husanu, and A. Pui, *Enhancement of SrTiO₃ photocatalytic efficiency by Al doping: Answers from the structure, morphology and electronic properties contributions*, Ceramics International **50**, 20664 (2024). IF = 5.1, AIS = 0.639.
23. S. Fasahat, M. Khosravi, G. Dini, A. P.del Pino, and C. Logofatu, *Microwave post-treated activated carbons for capacitance boosted non-aqueous supercapacitors*, Journal of Alloys and Compounds, **984**, 173948 (2024) IF = 5.8, AIS = 0.786.

24. S. A. Predoi, S. C. Ciobanu, C. M. Chifiriuc, S. L. Iconaru, D. Predoi, C. C. Negrila, I. C. Marinas, S. Raaen, K. Rokosz, M. Motelica-Heino, *Sodium bicarbonate-hydroxyapatite used for removal of lead ions from aqueous solution*, *Ceramics International*, **50** (1), Part B, 1742–1755 (2024). IF = 5.1, AIS = 0.639.
25. S. A. S. L. de Medeiros, A. L. M. de Oliveira, T. M. Duarte, B. J. Kennedy, A. M. Rostas, C. C. Negrila, A. C. Galca, A. da Silva Maia, J. R. Sambrano, M. C. Dantas, A. F. F. Farias, and I. M. Garcia dos Santos, *α -MoO₃ micro- and nanoparticles as catalysts for biofuel production*, *ACS Applied Nano Materials*, <https://doi.org/10.1021/acsanm.4c01239>, (2024). IF = 5.3, AIS = 0.912.
26. C. S. Ciobanu, D. Predoi, S. L. Iconaru, M. V. Predoi, K. Rokosz, S. Raaen, C. C. Negrila, N. Buton, L. Ghegoiu, and M. L. Badea, *Physico-chemical and biological features of fluorine-substituted hydroxyapatite suspensions*, *Materials* **17**, 3404 (2024) IF = 3.1, AIS = 0.508.
27. Y. Benali, D. Predoi, K. Rokosz, C. S. Ciobanu, S. L. Iconaru, S. Raaen, C. C. Negrila, C. Cimpeanu, R. Trusca, L. Ghegoiu, C. Bleotu, I. C. Marinas, M. Stan, and K. Boughzala, *Physico-chemical properties of copper-doped hydroxyapatite coatings obtained by vacuum deposition technique*, *Materials* **17**(15), 3681 (2024). IF = 3.1, AIS = 0.508.
28. A. Vasile, G. Dobrescu, V. Bratan, M. Teodorescu, C. Munteanu, I. Atkinson, C. Negrila, F. Papa, and I. Balint, *Fractal behavior of nanostructured Pt/TiO₂ catalysts: Synthesis, characterization and evaluation of photocatalytic hydrogen generation*, *Catalysts* **14**, 619 (2024). IF = 3.8, AIS = 0.579.
29. M. C. Stoian, C. Romanitan, K. Neubauer, H. Atia, C. C. Negrilă, I. Popescu, and I.-C. Marcu, *Transition metal-promoted LDH-derived CoCeMgAlO mixed oxides as active catalysts for methane total oxidation*, *Catalysts* **14**, 625 (2024). IF = 3.8, AIS = 0.579.
30. S. L. Iconaru, D. Predoi, C. S. Ciobanu, C. C. Negrila, R. Trusca, S. Raaen, K. Rokosz, L. Ghegoiu, M. L. Badea, and C. Cimpeanu, *Novel antimicrobial agents based on zinc-doped hydroxyapatite loaded with tetracycline*, *Antibiotics* **13**(9), 803 (2024). IF = 4.3, AIS = 0.839.
31. M. -E. Barbinta-Patrasu, C. Nichita, M. Enculescu, V. A. Maraloiu, M. Bacalum, C. Ungureanu, C. C. Negrila, and I. Zgura, *Bioactive hybrids containing artificial cell membranes and phyto-gold-silver chloride bio-nanoparticles*, *International Journal of Molecular Sciences*, **25**(22), 11929 (2024). IF = 4.9, AIS = 1.055.
32. D. V. Cosma, M. C. Rosu, C. Socaci, A. M. Rostas, A. Urda, T. Radu, A. Turza, M. N. C. Dan, R. Costescu, K. R. Gustavsen, O. Dobroliubov, and K. Y. Wang, *Adsorption-catalysis synergy in the visible-light-driven removal of 17 β -estradiol by (Au)TiO₂ nanotubes-graphene composites*, *J. Environ. Chem. Eng.* **12**, 112885 (2024). IF = 7.4, AIS = 1.011.
33. K. G. Nguyen, M. Hus, I. A. Baragau, E. Puccinelli, J. Bowen, T. Heil, A. Nicolaev, D. Andrews, M. T. Sajjad, S. Dunn, and S. Kellici, *Controlling the optoelectronic properties of nitrogen-doped carbon quantum dots using biomass-derived precursors in a continuous flow system*, *Carbon* **230**, 119623 (2024). IF = 10.5, AIS = 1.496.
34. A. Neacsu, V. Chihai, R. Bucuresteanu, A. Ficai, R. D. Trusca, V. A. Surdu, A. Nicolaev, B. Cojocaru, M. Ionita, I. Calinescu, V. Parvulescu, and L. M. Ditu, *Physicochemical Characterization of Ca- and Cu-Decorated TiO₂ microparticles and investigation of their antimicrobial properties*, *Materials* **17**, 4483 (2024). IF = 3.1, AIS = 0.509.

35. I. Podolean, M. Dogaru, N. C. Guzo, O. A. Petcuta, E. E. Jacobsen, A. Nicolaev, B. Cojocaru, M. Tudorache, V. I. Parvulescu, and S. M. Coman, *Highly efficient Ru-based catalysts for lactic acid conversion to alanine*, *Nanomaterials* **14**, 277 (2024). IF = 4.4 , AIS = 0.684.
36. I. Dascalescu, C. Palade, G. A. Lungu, A. M. Lepadatu, V. S. Teodorescu, M. Braic, M. L. Ciurea, T. Stoica, and A. Slav, *Influence of in-situ hydrogenation on photoelectrical properties of amorphous and nanocrystalline GeSn deposited by magnetron sputtering*, *J. Alloys Compds.* **1010**, 177065(1-10) (2025). IF = 5.8, AIS = 0.786.
37. I. Radu, A. I. Borhan, D. Ghercă, A. C. Dirtu, D. Dirtu, D. G. Popescu, M.-A. Husanu, and A. Pui, *Cobalt oxyhydroxide co-catalyst loaded onto Al:SrTiO₃ surface to boost photocatalytic performance*, *Mater. Chem. Phys.* **332**, 130274 (2025). IF = 4.3, AIS = 0.584.
38. A. Pena and C. Radu, *Floquet topological spin filters*, *Phys. Rev. B* **110**, L241113 (2024). IF = 3.3, AIS = 0.89.
39. V. Parvulescu, G. Petcu, N. G. Apostol, I. Atkinson, S. Petrescu, A. Baran, D. C. Culita, R. Ene, B. Trică, E. M. Anghel, *Bimetallic mesoporous MCM-41 nanoparticles with Ta/(Ti, V, Co, Nb) with catalytic and photocatalytic properties*, *Nanomaterials* **14**, 2025 (2024). IF = 4.4, AIS = 0.684.
40. L. E. Borcan, A.-C. Iancu, D. G. Popescu, and C. M. Teodorescu, *Considerable spin asymmetry of deep valence states induced by partial neutralization of charged SrTiO₃(011) surfaces*, *J. Chem. Phys.* **162**, 054707(1–13) (2025). IF = 3.1, AIS = 0.908.
41. A. Pena, B. Ostahie and C. Radu, *Floquet topological transitions in 2D Su-Schrieffer-Heeger model: Interplay between time reversal symmetry breaking and dimerization*, *New. J. Phys.* **27**, 023010 (2025). IF = 3, AIS = 1.08.

Trimise:

1. L. E. Borcan, C. M. Teodorescu, A.-C. Iancu, N. G. Apostol, A. Nicolaev, R. M. Costescu, M. A. Huşanu, D. G. Popescu, and G. A. Lungu, *Surface spin asymmetry in Pt(001)–hex induced by electron accumulation*, *J. Phys. Mater.*, submitted (2024). IF = 5.2, AIS = 0.861.
2. E.-M. Pavelescu, C. Romaniţan, I. Mihalache, R. Gavrila, O. Ligor, M. Stoian, G. Crăciun, S. Vulpe, C. Obreja, A. C. Iancu, C. M. Teodorescu, M. de la Mata, M. Herrera, S.I. Molina, and E. Luna, *Effects of low and high growth temperatures on the properties of ultrathin BN layers grown on sapphire by molecular beam epitaxy*, *Scr. Mater.*, submitted (2024). IF = 5.3, AIS = 1.221.
3. C. Ghica, M. Stefan, A. Stanoiu, C.E. Simion, I.D. Vlaicu, N.G. Apostol, C.G. Mihalcea, A.C. Iacoban, O.G. Florea, S. Bulat, D.Ghica, *Atomic-scale investigation of surface defects and facets of SnO₂ nanoparticles for NO₂ sensing*, *Appl. Surf. Sci.* submitted (2024). IF = 6.3, AIS = 0.893.
4. K. Ungeheuer, J. Rybak, A. E. Bocirnea, D. A. Pikulski, A. C. Galca, and K. W. Marszalek, *Influence of proton irradiation on thin films of AZO and ITO transparent conductive oxides – simulation of space environment*, *Applied Surface Science*, submitted (2024). IF = 6.3, AIS = 0.893.
5. A. Velea, I.-D. Simandan, C. Mihai, M. Baibarac, M. Vaduva, A. Udrescu, I. Smaranda, A. E. Bocirnea, T. Tite, M. Y. Zaki, A. Kuncser, and F. Sava, *Large-area synthesis of bilayer and monolayer WS₂ by low-temperature sulfurization of magnetron sputtered ultrathin W precursors in a microreactor*, *Applied Surface Science*, submitted (2024). IF = 6.3, AIS = 0.893.

6. A. M. Rostas, R.-C. Suci, A. Turza, D.-V. Cosma, S. Tripon, C. I. Fort, V. Danciu, M. Baia, A. Bocirnea, and E. Indrea, *Annealing temperature, a key factor in shaping Ag-decorated TiO₂ aerogels as efficient visible-light photocatalysts*, Materials Chemistry and Physics, submitted (2024). IF = 4.3, AIS = 0.584.
7. I. Lascu, C. C. Gheorghiu, I. C. Bucur, A.-M. Tanase, and A. Dumitru, *Influence of polypyrrole-derived nitrogen-doped carbon nanostructure morphology on the microbial composition of anodic biofilms and microbial fuel cell performance*, Surfaces and Interfaces, submitted (2024). IF = 5.7, AIS = 0.778.
8. A. G. Boni, C. Chirila, L. D. Filip, M. I. Botea, D. G. Popescu, M. A. Husanu, L. Hrib, L. Trupina, I. Pintilie, and L. Pintilie, *Steady state negative capacitance in p-n ferroelectric junctions*, Acta Materialia, submitted (2024). IF = 8.3, AIS = 2.013.
9. C. P. Davids, I.-A. Baragau, C. Negrila, T. Heil, and S. Dudley, *Sustainable scalable tailoring of nitrogen-doped reduced graphene oxide-silver nanocomposite properties via continuous hydrothermal synthesis for printed flexible electronics*, Carbon, submitted (2024). IF = 10.5, AIS = 1.495.
10. N. Iacob, C. Chirila, M. Sangaré, A. Kuncser, A. E. Stanciu, M. Socol, C. C. Negrila, M. Botea, C. Locovei, G. Schinteie, A. C. Galca, A. Stanculescu, L. Pintilie, V. Kuncser, and B. Borca, *Guanine-based spin valve with spin rectification effect for an artificial memory element*, Heliyon, submitted (2024). IF = 3.4, AIS = 0.615.
11. G. Elomari, H. Larhlimi, R. Oubaki, E. Elmaataouy, M. Aqil, Y. Samih, M. Makha, C. Negrila, and J. Alami, *Fast charging and high-efficiency sputter-deposited silicon thin film as anode for Li-ion batteries*, Journal of Power Sources, submitted (2024). IF = 8.1, AIS = 1.481.
12. O. El Khouja, B. Popescu, I. Assahsahi, C. C. Negrila, L. N. Leonat, K. Nouneh, M. E. Touhami, A. Galatanu, and A. C. Galca, *Improved sulfurization process for enhancing the microstructure and thermoelectrical properties of spray pyrolysis-deposited Cu₂ZnSnS₄ films*, ACS Applied Electronic Materials, submitted (2024). IF = 4.4, AIS = 0.873.
13. M. M. Alexandru, L. Preda, C. Negrila, S. Somacescu, N. D. Becherescu, A. Velea, M. Y. Zaki, and N. Spataru, *Thermally interpenetrated Co-Ni mixed oxide as efficient oxygen evolution electrodes*, Electrocatalysis, submitted (2024). IF = 2.7, AIS = 0.454.
14. C. C. Negrila, C. Cotirlan, A. C. Iancu, D. G. Popescu, C. Palade, and L. Trupina, *Investigations on HfO₂/n-GaAs(110) interface, in-situ obtained by oxide-MBE*, Surfaces and Interfaces, submitted (2024). IF = 5.7, AIS = 0.778.
15. C. Mowers, P. Fontcuberta, K. Shen, M. Tallarida, J. Dai, A. Iancu, D. G. Popescu, and M. A. Husanu, *Plasma-like excitations in epitaxial SrVO₃*, Nature Commun., submitted (2024). IF = 14.7, AIS = 5.660.
16. M. A. Husanu, D. G. Popescu, L. Hrib, L. Trupina, and V. Strocov, *Tunable electronic structure of oxides by geometric design*, Adv. Funct. Mater., submitted (2024). IF = 18.5, AIS = 4.049.
17. M. A. Husanu and D. G. Popescu, *Strain dependence of Rashba-like splitting in perovskite ferroelectric PbTiO₃*, NPJ Comput. Mater., submitted (2024). IF = 9.4, AIS = 3.103.

18. O. A. Petcuta, N. C. Guzo, M. Bordeiasu, A. Nicolaev, V. I. Parvulescu, and S. M. Coman, *Ru/Beta Zeolite Catalysts for the Levulinic Acid Hydrogenation: The Importance of Catalyst Synthesis Methodology*, Catalyst, submitted (2024). IF = 3.8, AIS = 0.580.
19. M. Sima, N. Preda, C. Negrila, E. Matei, A. Sima, V. Stancu, *Ce-doped ZnO photoanode with enhanced solar-driven water splitting performance*, International Journal of Hydrogen Energy, submitted (2024). IF = 8.1, AIS = 0.924.
20. C. S. Ciobanu, D. Predoi, S. L. Iconaru, C. C. Negrila, L. Ghegoiu, C. Cimpeanu, M. Motelica-Heino, *Influence of Kokubo solution on the properties of hydroxyapatite coated with dextran nanobioceramics*, Polymers, submitted (2024). IF = 4.7, AIS = 0.657.
21. D. Ghercă, M. Husanu, D. G. Popescu, C. N. Borca, T. Huthwelker, G. Ababei, N. Lupu, and A. I. Borhan, *Monophasic titanate-based photocatalyst with heteroatom mixed iso-aliovalency enabling water oxidation*, Angew. Chem. Int. Ed., submitted (2024). IF = 16.1, AIS = 3.764.
22. I. Zgura, T. Burlanescu, C. Madalina. I. Smaranda, A. Androne, C.-P. Ganea, C. Negrila, A. Lőrinczi, and M. Baibarac, *Optical, structural and electrical proprieties of composites based on MoS₂, WS₂ and poly(ortho-toluidine)*, Mater. Chem. Phys., submitted (2024). IF = 4.3, AIS = 0.584.

IOSIN – Brevete acordate 2024

1. C. Cotîrlan-Simioniuc, *Ochelari cu metasuprafețe active pentru îmbunătățirea percepției imaginilor în condiții dificile de vizibilitate*, Brevet OSIM RO 134146 B1 din 30.05.2024.

IOSIN – Cereri de brevete de invenție 2024

1. C. Cotîrlan-Simioniuc, L. Badea, *Microlaser plasmonic pompat optic având emisie modulată prin nanoantene active*, Cerere de brevet A2024 00166 din 09.04.2024;
2. C. Cotîrlan-Simioniuc, *Convertor plexcitoni-fotoni cu cavitate verticală*, Cerere de brevet A2024 00587 din 30.09.2024.
3. D. G. Popescu, M. A. Hușanu, *Tranzistor din GeTe cu efect de câmp și poartă divizată depus pe semiconductori (Si,Ge) și metodă de realizare*, Cerere de brevet A 2024 00240.

IOSIN – Capitole de carte 2024

1. C. Chirila, A.G. Boni, L.D. Filip, M. Botea, D. Popescu, V. Stancu, L. Trupina, L. Hrib, R. Negrea, I. Pintilie, L. Pintilie, *Epitaxial ferroelectric thin films -Potential for new applications*, book Pulsed Laser Processing Materials, pp. 1-25, Editors: Dongfang Yang and Katherine Gibson, ISBN 978-0-85466-611-9, IntechOpen 2024, DOI: 10.5772/intechopen.1005197
2. D.G. Popescu, *Fundamental and functional perspective of ferroelectric BaTiO₃ from an electron spectroscopy perspective*, book Nanocomposites - Properties, Preparations and Applications, pp. 1-22, Editors: Viorica Parvulescu and Elena Maria Anghel, ISBN 978-0-85014-082-8, IntechOpen 2024, DOI: 10.5772/intechopen.114899