

List of ISI/BDI papers published in the last 10 years

- ISI indexed

1. C. Dumitriu, S. I. Voicu, A. Muhulet, G. Nechifor, **S. Popescu**, C. Ungureanu, A. Carja, F. Miculescu, R. Trusca, C. Pirvu *Production and characterization of cellulose acetate – titanium dioxide nanotubes membrane fraxiparinized through polydopamine for clinical applications*, Carbohydrate Polymers 181: 215–223, **2018**.
2. **S. Popescu**, M. Mîndroi, D. Cabuzu, C. Pîrvu *The roll of the NaPSS surfactant on the ceria nanoparticles embedding in polypyrrole films*, Journal of Nanomaterials, 3: 1-12, **2016**.
3. N. L. Olteanu, E. A. Rogozea, **S.A. Popescu**, A. R. Petcu, C.A. Lazar, A. Meghea, M. Mihaly *“One-pot” synthesis of Au–ZnO–SiO₂ nanostructures for sunlight photodegradation* Journal of Molecular Catalysis A: Chemical, 414: 148–159, **2016**.
4. C. Ungureanu, C. Dumitriu, **S. Popescu**, M. Enculescu, V. Tofan, M. Popescu, C. Pirvu *Enhancing antimicrobial activity of TiO₂/Ti by torularhodin bioinspired surface modification*, Bioelectrochemistry, 107: 14-24, **2016**.
5. M. M. Dicu , M. Ursu , C. Ungureanu , P. C. Dicu , **S. Popescu** *Improving corrosion stability and antibacterial activity of the titania coatings by plasma electrolytic oxidation* Journal of Optoelectronics and Advanced Materials 17(11-12): 1816 – 1825, **2015**.
6. C. Dumitriu, C. Ungureanu, **S. Popescu**, V. Tofan, M. Popescu, C. Pirvu *Ti surface modification with a natural antioxidant and antimicrobial agent* Surface & Coatings Technology 276: 175–185, **2015**.
7. **S. Popescu**, C. Ungureanu, A. M. Albu, C. Pirvu *Poly(dopamine) assisted deposition of adherent PPy film on Ti substrate* Progress in Organic Coatings 77: 1890–1900, **2014**.
8. C. Ungureanu, **S. Popescu**, G. Purcel, V. Tofan, M. Popescu, A. Sălăgeanu, C. Pîrvu *Improved antibacterial behavior of titanium surface with torularhodin–polypyrrole film* Materials Science and Engineering C 42: 726–733, **2014**.
9. **S. Popescu**, C. C. Manole, C. Pirvu *Surface features changes and corrosion stability of titanium surfaces by suitable treatments* Revista de Chimie (Bucuresti), 64(8) : 796- 802, **2013**.
10. A. Cimpean, **S. Popescu**, C. M. Ciofrangeanu, A. N. Gleizes *Effects of LP-MOCVD prepared TiO₂ thin films on the in vitro behavior of gingival fibroblasts* Materials Chemistry and Physics, 125: 485-492: **2011**.

11. V. M. Mindroiu, C. Pirvu, **S. Popescu**, Ioana Demetrescu *Polypyrrole electrodeposition on Ti6Al7Nb alloy in aqueous and non-aqueous solutions* Revista de Chimie (Bucuresti), 61 (4), 390-394, **2010**.

12. **S. Popescu**, C. Pirvu, M. Mindroiu, C. Manole, I. Demetrescu *Electrochemical synthesis and characterization of Ti modified electrodes with polypyrrole – polyethylene glycol hybrid coating* Revista de Chimie 61(3): 245-248, **2010**.

13. C. Pirvu, M. Mindroiu, **S. Popescu** and I. Demetrescu *Electrodeposition of polypyrrole/poly (styrene sulphonate) composite coatings on Ti6Al7Nb alloy* Molecular Crystals & Liquid Crystals, 521: 126-139, **2010**.

14. **S. Popescu**, C. Pirvu, M. Mindroiu and I. Demetrescu *Enhancing the stability of polypyrrole film on titanium substrate by PEG incorporation* Molecular Crystals & Liquid Crystals, 522: 426-436, **2010**.

15. M. Mindroiu, C. Pirvu, **S. Popescu**, I. Demetrescu *Polypyrrole as Conducting Polymer Coating on Ti6Al7Nb Alloy* Materiale Plastice 46(4): 394-398, **2009**.

16. **S. Popescu**, I. Demetrescu, V. Mitran, A.N. Gleizes *MOCVD-fabricated TiO₂ thin films: influence of growth conditions on fibroblast cells culture* Molecular Crystals & Liquid Crystals 483: 266-274, **2008**.

17. **S. Popescu**, I. Demetrescu, A. N. Gleizes *Preparation and characterization of MOCVD-fabricated TiO₂: thin films deposited on titanium for biomedical applications* Revista de Chimie (Bucuresti), 58(9): 880-885, **2007**.

18. **S. Popescu**, I. Demetrescu, C. Sarantopoulos, A. Gleizes, D. Iordachescu *The biocompatibility of titanium in a buffer solution: compared effects of a thin film of TiO₂ deposited by MOCVD and of collagen deposited from a gel* Journal of Materials Science: Materials in Medicine, 18: 2075-2083, **2007**.

BDI indexed

19. C. C. Manole, **S. Popescu**, C. Pirvu *SPR sensitivity implications on pyrrole polymerization* U.P.B. Sci. Bull., Series B, Vol. 77, Iss. 4, **2015**