

### Articole științifice publicate în reviste de specialitate cotate in sistemul ISI (USA):

1. M. Moldovan, D. Prodan, C. Sarosi, R. Carpa, C. Socaci, M.C. Rosu, S. Pruneanu, Synthesis, morpho-structural properties and antibacterial effect of silicate-based composites containing graphene oxide/hydroxyapatite, *Mat. Chem. Phys.* **2018**, 217, 48-53.
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4. M. Coros, F. Pogacean, L. Magerusan, M.C. Rosu, A.S. Porav, C. Socaci, A. Bende, R.I. Stefan-van Staden, S. Pruneanu, Graphene-porphyrin composite synthesis through graphite exfoliation: The electrochemical sensing of catechol, *Sens. Actuat. B: Chemical* **2018**, 256, 665-673.
5. M.C. Rosu, M. Coros, F. Pogacean, L. Magerusan, C. Socaci, A. Turza, A.; Pruneanu, S. Azo dyes degradation using TiO<sub>2</sub>-Pt/graphene oxide and TiO<sub>2</sub>-Pt/reduced graphene oxide photocatalysts under UV and natural sunlight irradiation, *Solid State Sciences* **2017**, 70, 13-20.
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10. L. Magerusan, F. Pogacean, C. Socaci\*; M. Coros, M.C. Rosu, S. Pruneanu\* Charge transfer-resistance in nitrogen-doped/undoped graphene: Its influence on the electro-catalytic reduction of H<sub>2</sub>O<sub>2</sub>, *Electrochimica Acta* **2016**, 220, 664-671.
11. A.-M. Craciun, A. Diac, M. Focsan, C. Socaci, K. Magyari, D. Maniu, I. Mihalache, L. M. Veca, S. Astilean, A. Terec, Surface passivation of carbon nanoparticles with p-phenylenediamine towards photoluminescent carbon dots *RSC Advances* **2016**, 6, 56944-56951.
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**Articole științifice publicate în reviste de specialitate necotate în sistemul ISI (Revistele Academiei Române si Reviste din străinătate necotate ISI):**

1. L. Muntean, T. Gyorgy, C. Socaci, I. Grosu, S. Mager, A. Mihis "Stereochemistry and NMR-Spectra of Some New 5-Methyl-2,2-Substituted-1,3-Dioxanes *Stud. Univ. "Babes-Bolyai", Chemia* **2000**, 1, 2, 55-60
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**Capitole de carte:**

"Coupling reactions in organic chemistry" E. Bogdan, N. Hadade, C. Socaci, A. Terec, Ed. Presa Universitara Clujana, isbn 978-973-595-584-7, 2013.

"N-(Trimethylsilyl)imidazole", T. Gimisis, C. Cismaș – chapter in "*electronic Encyclopedia for Reagents in Organic Synthesis*", Copyright © **2007** John Wiley & Sons, Ltd, DOI: 10.1002/047084289X.rt307.pub2, Online: 15 March, 2007.