

Lista de lucrări și activități științifice

Doctorand: Adriana-Petronela CHIRIAC

Articole științifice:

1. **Chiriac, A.P.**; Butnaru, I.; Damaceanu, M.D. Electrochemically Active Polyimides Containing Hydroxyl-Functionalized Triphenylmethane as Molecular Sensors for Fluoride Anion Detection. *Electrochimica Acta* **2020**, 353, 136602. **FI = 6.901**
2. **Chiriac, A.P.**; Damaceanu, M.D. A novel approach towards crown-ether modified polyimides with affinity for alkali metal ions recognition. *Journal of Molecular Liquids* **2021**, 322, 114929. **FI = 6.165**
3. Butnaru, I.; **Chiriac, A.P.**; Asandulesa, M.; Sava, I.; Lisa, G.; Damaceanu, M.D. Tailoring poly(ether-imide) films features towards high performance flexible substrates. *Journal of Industrial and Engineering Chemistry* **2021**, 93, 436–447. **FI = 6.064**
4. Butnaru, I.; **Chiriac, A.P.**; Tugui, C.; Asandulesa, M.; Damaceanu, M.D. The synergistic effect of nitrile and Jeffamine structural elements towards stretchable and high-*k* neat polyimide materials. *Materials Chemistry Frontiers* **2021**, 5, 7558-7579. **FI = 6.482**
5. Butnaru, I.; **Chiriac, A.P.**; Constantin, C.P.; Damaceanu, M.D. Insights into MWCNTs/polyimide nanocomposites: from synthesis to application as free-standing flexible electrodes in low-cost micro-supercapacitors, submitted to *Materials Today Chemistry*. **FI = 8.301**

Comunicări științifice:

1. **Chiriac, A.P.**; Butnaru, I.; Sava, I.; Damaceanu, M.D. *Poliimide ionocrome cu grupări hidroxil: sinteză și caracterizare*, a 27-a Sesiune de comunicări științifice “Progrese în știința compușilor organici și macromoleculari”, Iasi – Romania, 2-4 octombrie **2019**, program p. 14, Co29.
2. Damaceanu, M.D.; **Chiriac, A.P.** *Heterocyclic Polymers Modified With Crown Ether For Alkaline Metal Ions Detection*, 13th International Conference on Heteroatom Chemistry (ICHAC 2019), Prague, Czech Republic, 30 iunie- 5 iulie **2019**, program. p 12, OC23B.
3. Butnaru, I.; **Chiriac, A.P.**; Sava, I.; Damaceanu, M.D. *Ionochromic polyimides: synthesis and characterization*, STEPI 11 Polyimides & High Performance Polymers, Montpellier, France, 2-5 iunie **2019**, program. p 33.

4. Butnaru, I.; **Chiriac, A.P.** *MWCNT-composites incorporating functionalized polyimides*, Seminar organized by the Laboratory of Polycondensation Materials & Engineering and the Laboratory of Polymer Materials for Optoelectronic and Nonlinear Optics, Zabrze, Poland, October **2018**.
5. **Chiriac, A.P.**; Constantin, C.P.; Damaceanu, M.D. *Poliimide funcționalizate pentru aplicații ionocrome*, A XXXV-a Conferință Natională de Chimie, Călimănești-Căciulata, Vâlcea, 2-5 octombrie **2018**, program ID: C.S.III – 6.
6. **Chiriac, A.P.**; Constantin, C.P.; Damaceanu, M.D. *Crown-ether containing polyimides for alkaline ion metals sensing*, 7th International Conference on Materials and Applications for Sensors and Transducers (IC-MAST 2018), Bratislava, Slovakia, 24-27 septembrie **2018**, Program ID - Oral session C: Bio-Applications and Electrochromics, No. 3.

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