

Nume: Mihai Dumitraș

Domeniu de cercetare: Cinetică neizotermă; Reacții în lanț; Sisteme disperse.

Cursuri predate:

Electrochimie și Chimia fizică a interfețelor, an III CH + BT (cu dl. prof. dr. Gh. Nemțoi);
Chimie coloidală, an II CPCF
Reacții în lanț în chimia mediului, an II CMSA
Termochimie, an II CSI

Lucrări semnificative:

1. M. Dumitraș, Lucia Odochian - "Study on the Influence of PTFE Particle Size on the Polymer Thermal Behaviour. I. Melting", *J. Therm. Anal. Calorim.*, vol.69, p.599, 2002
2. M. Caproșu, Lucia Odochian, Șt. Dima, M. Dumitraș, M. Petrovanu - "Thermokinetic Study on the Inactivation Reactions of 1-methylphtalazinium Ylids", *J. Serb. Chem. Soc.*, 68 (6) p.447, 2003
3. M. Chiriac, Anca Roșu, M. Dumitraș, Lucia Odochian - "Some Aspects of the Thermo-kinetic Non-isothermal study on the Thermooxidative Degradation of Polytetrafluorethylene Containing Additives", *Iranian Polymer Journal*, 12, (3), p.165, 2003
4. Vuza, A., L. Odochian, M. Dumitraș - " The disperse analysis of analcitic volcanic tuff and fractions characterization. I. The disperse analysis", *Rev.Chimie*, 54, nr.4, p.364, 2003
5. Vuza, A., Odochian, L., Dumitras, M., Craus, M.L., The disperse analysis of clinoptilolitic volcanic tuff and the fractions characterization. I. The disperse analysis., *Rev. Chim.*, 54, 704-706, 2003.
6. Vuza, A., Craus, M.L., Odochian, L., Dumitras, M., Crivoi, F., The disperse analysis of clinoptilolitic volcanic tuff. II. Fractions characterisation., *Rev. Chim.*, 55, 313-316, 2004.
7. Vuza, L. Odochian, M. Dumitraș, M. L. Craus, The disperse analysis of analcitic volcanic tuff and fractions characterization. II. Fractions characterization, *Rev. Chim. (București)* 55 , nr.5, 808-814, 2004
8. M. Dumitraș, Chr. Friedrich, "Network formation and elasticity evolution in DBS/PPO physical gels", *Journal of Rheology*, 48 (5), 1135-1146, 2004
9. L. Odochian, M. Dumitraș, D. Dîrțu, "Contributions to the thermal decomposition reaction mechanism of ammonia II", *Rev. Chim. (București)*, 56, nr. 5, 485-489, 2005
10. Viorica Dulman, Lucia Odochian, Mihai Dumitraș, Simona Cucu-Man, „A study by non – isothermal methods of spruce wood bark materials after their application for dye removal”, *J. Serb. Chem. Soc.* 70 (11), 1325-1333, 2005 (IF 0.611)
11. Lucia Odochian , Viorica Dulman, M. Dumitraș, A. Pui, "Study by thermal methods on the materials obtained by dye removal from waste waters with beech flour", *J. Therm. Anal. Calorim.* 89(2), 625-631, aug 2007
12. C. Moldoveanu, L. Odochian, I. Mangalagiu, M. Dumitraș, N. Apostolescu, "Study by thermal methods on some new cyclic ylides and derivatives", *J. Therm. Anal. Calorim.* 93(3), 907-914, 2008
13. Dulman, V; Cucu-Man, SM; Olariu, RI; Buhaceanu, R; Dumitras, M; Bunia, I, A new heterogeneous catalytic system for decolorization and mineralization of Orange G acid dye based on hydrogen peroxide and a macroporous chelating polymer, *DYES AND PIGMENTS*, ISSN 0143-7208, Volume 95, Issue 1, pp. 79 – 88, 10/2012

Cărți publicate:

1. L. Odochian, M. Dumitraș, "Teoria cinetică și mecanismul reacțiilor în lanț. I. Reacții în lanț simplu", Ed. Matrix ROM, București, 2003; (ISBN 973-685-656-9)
2. A. Bîrzu, M. Dumitraș, „Cinetică chimică. Aspecte fundamentale”, Ed. Matrix ROM, București, 2008; (ISBN 978-973-755-369-0)
3. M. Dumitraș, A. Bîrzu, „Cinetică chimică. Capitole speciale”, Ed. Matrix ROM, București, 2010; (ISBN 978-973-755-608-0)