

Domeniul CHIMIE

Articole în reviste cotate ISI – 2017

1. ALBU, P., BUDIUL, M., MATEESCU, M., **CHIRIAC, V.**, VLASE, G., VLASE, T. Studies regarding the induced thermal degradation, kinetic analysis and possible interactions with various excipients of an osseointegration agent: zoledronic acid (2017) Journal of Thermal Analysis and Calorimetry, 130 (1), pp. 403-411. DOI: 10.1007/s10973-017-6537-4
2. ALBU, P., DOCA, S.C., ANGHEL, A., VLASE, G., VLASE, T. Thermal behavior of sodium alendronate: A kinetic study under non-isothermal conditions (2017) Journal of Thermal Analysis and Calorimetry, 127 (1), pp. 571-576. DOI: 10.1007/s10973-016-5745-7
3. **BIZERA-SPIRIDON O**, NARTIȚĂ R, ROGOBETE AF, NEGREA A, STROESCU R, BIZERA TO, ILIE C, MĂRGINEAN O, Spectrophotometric determination of selenium trough the triiodide anion, Clinical Laboratory, 2017, 63(5+6): 887-889, ISSN 1433-6510, DOI: 10.7754/Clin.Lab.2016.160905
4. BUDA, V., ANDOR, M., LEDETI, A., LEDETI, I., VLASE, G., VLASE, T., CRISTESCU, C., VOICU, M., SUCIU, L., TOMESCU, M.C. Comparative solid-state stability of perindopril active substance vs. pharmaceutical formulation (2017) International Journal of Molecular Sciences, 18 (1), art. no. 164, . DOI: 10.3390/ijms18010164
5. BUDIUL, M., ALBU, P., VLASE, G., TURCUŞ, V., VLASE, T. Thermogravimetric and calorimetric studies performed on memantine hydrochloride to determine its thermal behaviour and possible drug-excipient interactions (2017) Journal of Thermal Analysis and Calorimetry, 127 (1), pp. 555-564. DOI: 10.1007/s10973-016-5600-
6. BUMBĂCILĂ B., ORI O., CATALDO F., **PUTZ M.V.** (*) Topological Modeling of Carbon Nano-Lattices. Current Organic Chemistry. 21 (2017) 2705 - 2718; (in Special Issue: Sustainable Organic and Hybrid Nanomaterials: from Structure to Functions; Mihai V. Putz, guest editor). <http://www.eurekaselect.com/152007>
7. CIMPOESU F., BUTA C., FERBINTEANU M., PHILPOTT M.R., STROPPO A., **PUTZ M.V.** (*). Electronic Structure of Linear Polyacenes. Current Organic Chemistry 21 (2017) 2768 - 2775; (in Special Issue: Sustainable Organic and Hybrid Nanomaterials: from Structure to Functions; Mihai V. Putz, guest editor). <http://www.eurekaselect.com/152512>
8. GHEONEA, R., CRASMAREANU, E.C., PLESU, N., SAUCA, S., SIMULESCU, V., **ILIA, G.**, New Hybrid Materials Synthesized with Different Dyes by Sol-Gel Method, ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, Article Number: 4537039 (2017). DOI: 10.1155/2017/4537039. FI 1.372.
9. GHEONEA, R., MAK, C., CRASMAREANU, E.C., SIMULESCU, V., PLESU, N., **ILIA, G.**, Surface Modification of SnO₂ with Phosphonic Acids, JOURNAL OF CHEMISTRY, Article Number: 2105938 (2017) DOI: 10.1155/2017/2105938.
10. GRIGORIE, A.C., MUNTEAN, C., VLASE, T., LOCOVEI, C., STEFANESCU, M. ZnO-SiO₂ based nanocomposites prepared by a modified sol-gel method (2017) Materials Chemistry and Physics, 186, pp. 399-406. DOI: 10.1016/j.matchemphys.2016.11.011

11. LEDETI, I., BOLINTINEANU, S., VLASE, G., CIRCIOBAN, D., DEHELEAN, C., SUTA, L.-M., CAUNII, A., LEDETI, A., VLASE, T., MURARIU, M. Evaluation of solid-state thermal stability of donepezil in binary mixtures with excipients using instrumental techniques (2017) *Journal of Thermal Analysis and Calorimetry*, 130 (1), pp. 425-431. DOI: 10.1007/s10973-017-6250-3
12. LEDETI, I., BOLINTINEANU, S., VLASE, G., CIRCIOBAN, D., LEDETI, A., VLASE, T., SUTA, L.-M., CAUNII, A., MURARIU, M. Compatibility study between antiparkinsonian drug Levodopa and excipients by FTIR spectroscopy, X-ray diffraction and thermal analysis (2017) *Journal of Thermal Analysis and Calorimetry*, 130 (1), pp. 433-441. DOI: 10.1007/s10973-017-6393-2
13. LEDEȚI, I., MURARIU, M., VLASE, G., VLASE, T., DOCA, N., LEDEȚI, A., ŞUTA, L.-M., OLARIU, T. Investigation of thermal-induced decomposition of iodoform (2017) *Journal of Thermal Analysis and Calorimetry*, 127 (1), pp. 565-570. DOI: 10.1007/s10973-016-5368-z
14. LUNGU C.N., DIUDEA M.V., PUTZ M.V. (*) Ligand Shaping in Induced Fit Docking of MraY Inhibitors. Polynomial Discriminant and Laplacian Operator as Biological Activity Descriptors *International Journal of Molecular Sciences*. 18(7) (2017) 1377; <http://www.mdpi.com/1422-0067/18/7/1377>
15. MATEESCU, M., BUDIUL, M., ALBU, P., VLASE, G., VLASE, T. Thermal behavior and kinetic study of degradation for adamantan-2-one versus memantine hydrochloride (2017) *Journal of Thermal Analysis and Calorimetry*, 130 (1), pp. 391-396. DOI: 10.1007/s10973-017-6443-9
16. PETRESCU, A.M., ILIA, G., Potential carcinogenicity predicted by computational toxicity evaluation of thiophosphate pesticides using QSTR/QSCarciAR model, *DRUG AND CHEMICAL TOXICOLOGY*, 40 (2017) 263-272. DOI: 10.1080/01480545.2016.1209771
17. POPA, A., ILIA, G., ILIESCU, S., DOCA, N., VLASE, T., VLASE, G. Thermogravimetric characterization of styrene–divinylbenzene copolymers containing alpha-isopropylaminophosphonic acid groups (2017) *International Journal of Polymer Analysis and Characterization*, 22 (1), pp. 43-50. DOI: 10.1080/1023666X.2016.1230262
18. SFIRLOAGA, P., POIENAR, M., IANASI, C., VLASE, T., VLAZAN, P. Synthesis and morpho-structural characterization of NaTaO₃ nanomaterials obtained by ultrasonic method with immersed sonotrode (2017) *Journal of Thermal Analysis and Calorimetry*, 127 (1), pp. 457-462.
19. VENTURI M., IORGĂ M.I., PUTZ M.V. (*). Molecular devices and machines: hybrid organic-inorganic structures. *Current Organic Chemistry*. 21 (2017) 2731 - 2759; (in Special Issue: Sustainable Organic and Hybrid Nanomaterials: from Structure to Functions; Mihai V. Putz, guest editor). <http://www.eurekaselect.com/152818>
20. VLADOIU, D.L., OSTAFAE, V., ISVORAN, A., Computational Analysis of the Effects of Mutations on Catalytic Cavity of Chitinases A. *Romanian Biotechnological Letters*, 22 (2017) (https://www.rombio.eu/vol22nr1----17_RBL_Isvoran_2015-final%20%20form.pdf)

21. VLASE, G., BLAJOVAN, R., ALBU, P., VLASE, T. Study of thermally induced interaction between hydroxyethylcellulose and carboxymethylcellulose with different excipients (2017) *Journal of Thermal Analysis and Calorimetry*, 130 (1), pp. 397-402. DOI: 10.1007/s10973-017-6309-1
22. VLASE, G., MODRA, D., ALBU, P., CEBAN, I., BOLCU, C., VLASE, T. Thermal behavior of saturated phthalic-type polyesters. Influence of the branching polyol (2017) *Journal of Thermal Analysis and Calorimetry*, 127 (1), pp. 409-414. DOI: 10.1007/s10973-016-5667-4

Articole în reviste indexate BDI/ISI Proceeding - 2017

1. CIMPOESU F., CATALDO F., PUTZ M.V. Towards Magnetic Traps with Graphenes and Fullerenes: The Complex-Frontier Project in a Nutshell. *International Journal of Chemical Modeling*. 9 (1) (2017) 61-69
2. DASCĂLU D, MUÑTEAN SG, PITULICE L, ISAC D, Structure and reactivity of some aromatic compounds with acidic and basic character. *New Front. Chem.* (2017) 26(1):21-29.
3. ISVORAN A., CIORSAC A., OSTAFE V., ADME-Tox profiling of some low molecular weight water soluble chitosan derivatives, *ADMET & DMPK* 5(3) (2017) 192-200. (<http://dx.doi.org/10.5599/admet.5.3.423>)
4. PUTZ M.V. Chemical Field Theory: The Inverse Density Problem of Electronegativity and Chemical Hardness for Chemical Bond. *Current Physical Chemistry*. ISSN: 1877-9468; eISSN: 1877-9476. 7(2) (2017) 133-146; DOI: 10.2174/1877946806666160627101209.