

**Anyag- és Környezetkémiai Intézet 2012-ben megjelent publikációi**  
**(Frissítve:2012. június 7)**

1. Alonso-Salces RM, Holland MV, Guillou C, Héberger K: Quality assessment of olive oil by <sup>1</sup>H-NMR fingerprinting. In: Dimitrios B (ed.), Olive Oil – Constituents, Quality, Health Properties and Bioconversions: Chapter 10, Rijeka: InTech, 2012. pp 185-210.
2. Beregi E, Sajó IE, Lengyel K, Bombicz P, Czugler M, Földvári I: Polytypic modifications in heavily Tb and Eu doped gadolinium aluminum borate crystals. JOURNAL OF CRYSTAL GROWTH 351: pp. 72-76 (2012)
3. Bertóti I: Nitrogen modified metal oxide surfaces. CATALYSIS TODAY 181:(1) pp. 95-101 (2012)
4. Blázovics A, Nyirády P, Romics I, Szűcs M, Horváth A, Szilvás Á, Székely E, Szentmihályi K, Bekő G, Sárdi É: How Can Cancer-Associated Anemia Be Moderated with Nutritional Factors and How Do Beta Vulgaris L. Ssp. Esculenta Var. Rubra Modify the Transmethylation Reaction in Erythrocytes in Cancerous Patients? In: Silverberg Donald S (ed.), Anemia, Rijeka: InTech Open Access Publisher, 2012. pp. 93-114 (ISBN:978-953-51-0138-3)
5. da Silva LLG, Conceição DAS, Oishi SS, Tóth A, Ueda M: Study of a reticulated vitreous carbon surface treated by plasma-immersion ion implantation for electrodes production. JOURNAL OF PHYSICS-CONFERENCE SERIES 356: Paper 012034. (2012)
6. Deák A, Tunyogi T, Jobbágy C, Károly Z, Baranyai P, Pálinkás G: Cyanide-bridged bimetallic multidimensional structures derived from organotin(IV) and dicyanoaurate building blocks: ion exchange, luminescence, and gas sorption properties (2012). GOLD BULLETIN 45: pp. 35-41 (2012)
7. Dörfler S, Felhősi I, Kék I, Marek T, Althues H, Kaskel S, Nyikos L: Tailoring structural and electrochemical properties of vertical aligned carbon nanotubes on metal foil using scalable wet-chemical catalyst deposition. JOURNAL OF POWER SOURCES 208: pp. 426-433 (2012)
8. Erős G, Nagy K, Mehdi H, Pápai I, Nagy P, Király P, Tárkányi G, Soós T: Catalytic Hydrogenation with Frustrated Lewis Pairs: Selectivity Achieved by Size-Exclusion Design of Lewis Acids. CHEMISTRY-A EUROPEAN JOURNAL 18:(2) pp. 574-585 (2012)
9. Frey K, Iablokov V, Sáfrán G, Osán J, Sajó IE, Szukiewicz R, Chenakin S, Kruse N: Nanostructured MnOx as highly active catalyst for CO oxidation. JOURNAL OF CATALYSIS 287: pp. 30-36 (2012)
10. Harnos S, Onyestyák G, Kalló D: Hydrocarbons from sunflower oil over partly reduced catalysts. REACTION KINETICS MECHANISMS AND CATALYSIS 106:(1) pp. 99-111 (2012)

11. Héberger K, Skrbić B: Ranking and similarity for quantitative structure-retention relationship models in predicting Lee retention indices of polycyclic aromatic hydrocarbons. *ANALYTICA CHIMICA ACTA* 716: pp. 92-100 (2012)
12. Iavicoli P, Xu H, Keszthelyi T, Telegdi J, Wurst K, Van Averbek B, Saletta WJ, Minoia A, Beljonne D, Lazzaroni R, De Feyter S, Amabilino DB: Organization of the enantiomeric and racemic forms of an amphiphilic resorcinol derivative at the air-water and graphite-1-phenyloctane interfaces. *CHIRALITY* 24:(2) pp. 155-166 (2012)
13. Keledi G, Hári J, Pukánszky B: Polymer nanocomposites: structure, interaction, and functionality. *NANOSCALE* 4:(6) pp. 1919-1938 (2012)
14. Kótai L, Bálint S, Gács I, Lakatos G, Angyal A, Mehrotra NR: A simple method for calculation of the composition of type I clathrate hydrates. *ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE* 638:(3-4) pp. 648-654 (2012)
15. Kótai L, Bálint S, Gács I, Lakatos G, Angyal A, Mehrotra RN: The minimal occupancy level of the clathrate hydrate host lattice and the intercalation heat of the guest molecules in the chlorine hydrates. *ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE* 638:(2) pp. 279-281 (2012)
16. Kótai L, Sajó IE, Jakab E, Keresztury G, Németh C, Gács I, Menyhárd A, Kristóf J, Hajba L, Petrusevski VM, Ivanovski V, Timpu D, Sharma PK: Studies on the chemistry of  $[Cd(NH_3)_4(MnO_4)_2]$ . A low temperature synthesis route of the  $CdMn_2O_{4+x}$  type  $NO_x$  and  $CH_3SH$  sensor precursors. *ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE* 638: pp. 177-186 (2012)
17. Lónyi F, Solt HE, Valyon J, Boix A, Gutierrez LB: The SCR of NO with methane over In,H- and Co,In,H-ZSM-5 catalysts: The promotional effect of cobalt. *APPLIED CATALYSIS B-ENVIRONMENTAL* 117-118: pp. 212-223 (2012)
18. Mihályi RM, Kollár M, Király P, Károly Z, Mavrodinova V: Effect of Extra-framework Al formed by successive steaming and acid leaching of zeolite MCM-22 on its structure and catalytic performance. *APPLIED CATALYSIS* 417-418: pp. 76-86 (2012)
19. Nemes L: A fullerének csillagászati felfedezése: NAGY szénmolekulák a világűrben. *KÉMIAI PANORÁMA* 8: pp. 30-33 (2012)
20. Onyestyák G, Harnos S, Kalló D: Indium, as an efficient co-catalyst of Cu/Al<sub>2</sub>O<sub>3</sub> in the selective hydrogenation of biomass derived fatty acids to alcohols. *CATALYSIS COMMUNICATIONS* 26: pp. 19-24 (2012)
21. Popova M, Szegedi Á, Lázár K, Károly Z: The physico-chemical and catalytic properties of ferrite-containing MCM-41 and SBA-15 materials. *MICROPOROUS AND MESOPOROUS MATERIALS* 151: pp. 180-187 (2012)
22. Románszki L, Datsenko I, Telegdi J, Sand W, Nyikos L: Combating microbial adhesion on alloys of industrial importance. In: Gyarmati Benjámín Sándor, Sudár

András, Szilágyi András (szerk.), *Advanced Macromolecular Systems Across the Length Scales: "Smart, Nanostructured Systems for Controlled Molecular Release and Biological Interfaces"*. Siófok, Magyarország, 2012.06.03-2012.06.06. Budapest: p. 105.

23. Szijjártó GP, Tompos A, Héberger K, Margitfalvi JL: Synergism Between Constituents of Multicomponent Catalysts Designed for Ethanol Steam Reforming Using Partial Least Squares Regression and Artificial Neural Networks. *COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING* 15:(2) pp. 105-113 (2012)
24. Tátraaljai D: Műanyagok stabilizálása: Természetes antioxidánsal a polimer védelméért. *KÉMIAI PANORÁMA* 8: pp. 26-29 (2012)
25. Tóth A, Voitko KV, Bakalinska O, Prykhod'ko GP, Bertóti I, Gun'ko VM, László K: Influence of surface functionalization on the morphology and surface hydrophilicity of MWCNT as seen by vapour adsorption. *CARBON* 50:(2) pp. 577-585 (2012)
26. Várhegyi G, Sebestyén Z, Czégény Z, Lezsovits F, Konczol S: Combustion Kinetics of Biomass Materials in the Kinetic Regime. *ENERGY & FUELS* 26:(2) pp. 1323-1335 (2012)
27. Voncina B, Le Marechal AM, Feczkó T: Encapsulation as a green chemistry approach in eco-dyeing/finishing. *ADVANCED MATERIALS RESEARCH* 441: pp. 489-493 (2012)