

Szerves Kémiai Intézet 2012-ben megjelent publikációi (Frissítve:2012. június 7)

1. Aradi B, Turiák L, Misjak P, Paloczi K, Ozohanics O, Drahos L, Szabó TG, Kittel A, Falus A, Vékey K, Buzás EI: Proteomic analysis of thymus-derived apoptotic bodies and microvesicles. EUROPEAN JOURNAL OF CLINICAL INVESTIGATION 42: pp. 67-68 (2012)
2. Bálint E, Fazekas E, Pintér G, Szöllősy Á, Holczbauer T, Czugler M, Drahos L, Körtvélyesi T, Keglevich G: Synthesis and utilization of the bis(>P(O)CH₂)amine derivatives obtained by the double Kabachnik–Fields reaction with cyclohexylamine; Quantum chemical and X-ray study of the related bidentate chelate platinum complexes. CURRENT ORGANIC CHEMISTRY 16:(4) pp. 547-554. (2012)
3. Bálint E, Takács J, Drahos L, Keglevich G: Microwave-assisted phospho-michael addition of dialkyl phosphites, a phenyl-H-phosphinate, and diphenylphosphine oxide to maleic derivatives. HETEROATOM CHEMISTRY 23:(3) pp. 235-240 (2012)
4. Balog J, Riedl Z, Hajós G, Miskolczy Z, Biczók L: Novel fluorescent isoquinoline derivatives obtained via Buchwald-Hartwig coupling of isoquinolin-3-amines. Dedicated to Prof. Ferenc Fülöp on the occasion of his 60th birthday. ARKIVOC 2012:(v) pp. 109-119 (2012)
5. Beregi E, Sajó IE, Lengyel K, Bombicz P, Czugler M, Földvári I: Polytropic modifications in heavily Tb and Eu doped gadolinium aluminum borate crystals. JOURNAL OF CRYSTAL GROWTH 351: pp. 72-76 (2012)
6. Bombicz P: 2011. évi Kémiai Nobel-díj: Elismerés a kvázikristályok felfedezéséért - és az állhatatosságért. KÉMIAI PANORÁMA 8: pp. 4-7 (2012)
7. Budai L, Vékey K: Gyógyszerszint: Terápiás gyógyszerszint monitorázás. KÉMIAI PANORÁMA 8: pp. 50-51 (2012)
8. 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)
9. Dixit B, Balog J, Riedl Z, Drahos L, Hajós G: New approach for the synthesis of 3H-pyrrolo[2,3-cisoquinoline derivatives. TETRAHEDRON 68: pp. 3560-3565 (2012)
10. Domján A, Mezey P, Varga J: Behavior of the interphase region of an amphiphilic polymer conetwork swollen in polar and nonpolar solvent. MACROMOLECULES 45:(2) pp. 1037-1040 (2012)
11. 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)

12. Faigl F, Mátravölgyi B, Deák S, Holczbauer T, Czugler M, Balázs L, Hermecz I: Useful, regioflexible methods for functionalization of 1-phenylpyrrole derivatives. *TETRAHEDRON* 68:(22) pp. 4259-4266 (2012)
13. Fischer C, Bombicz P, Seichter W, Katzsch F, Weber E: Bridge-disubstituted calix[4]arenes in the rare 1,2-alternate conformation: control of the inclusion behavior depending on the bridge substituents. *CRYSTAL GROWTH & DESIGN* 12:(5) pp. 2445-2454 (2012)
14. Grün A, Blastik Z, Drahos L, Keglevich G: Microwave-assisted alkylation of diethyl ethoxycarbonylmethylphosphonate under solventless conditions. *HETEROATOM CHEMISTRY* 23:(3) pp. 241-246 (2012)
15. Horváth DV: Ammóniagyártás: A világ élelmezésének biztosítója. *KÉMIAI PANORÁMA* 8: pp. 18-21 (2012)
16. Horváth G, Király P, Tárkányi G, Tőke O: Internal motions and exchange processes in human ileal bile acid-binding protein as studied by backbone ¹⁵N NMR spectroscopy. *BIOCHEMISTRY* 51: pp. 1848-1861 (2012)
17. Iván B, Fodor C, Haraszi M, Kali G, Kasza G, Mezey P, Osváth Z, Pálfi V, Pásztor S, Soltész A, Szabó Á, Szabó S, Szanka I, Szarka G, Verebélyi K: Makromolekuláris építészeti funkciók polimerekkel: szintézisük, reakcióik és alkalmazási lehetőségeik a nanovilágtól a katalízisen át a gyógyászatig. *MAGYAR KÉMİKUSOK LAPJA* 67: pp. 138-140 (2012)
18. Jablonkai E, Bálint E, Balogh GT, Drahos L, Keglevich G: Cyclic phosphinates by the alkylation of a thermally unstable 1-hydroxy-1,2-dihydrophosphinine 1-oxide and a 3-hydroxy-3-phosphabicycl[3.1.0]hexane 3-oxide. *PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS* 187: pp. 357-363 (2012)
19. Károlyi BI, Bősze S, Orbán E, Sohár P, Drahos L, Gál E, Csámpai A: Acylated mono-, bis- and tris- cinchona-based amines containing ferrocene or organic residues: Synthesis, structure and in vitro antitumor activity on selected human cancer cell lines. *MOLECULES* 17:(3) pp. 2316-2329 (2012)
20. Keglevich G, Grün AI, Kovács R, Koós K, Szolnoki B, Garadnay S, Neu J, Drahos L, Greiner I: Heteroarylacetyl Chlorides and Mixed Anhydrides as Intermediates in the Synthesis of Heterocyclic Dronic Acids. *LETTERS IN DRUG DESIGN & DISCOVERY* 9:(4) pp. 345-351 (2012)
21. Keglevich P, Kovács P, Hazai L, Sánta Z, Dubrovay Z, Háda V, Szántay CJr, Kalas G, Szántay C: A new derivative of galanthamine: Methylene insertion into the aromatic ring in place of cyclopropanation. *HETEROCYCLES* 84:(2) pp. 1171-1178 (2012)
22. Kiss K, Holczbauer T, Czugler M, Sohár P, Bodor A, Csámpai A: Synthesis, IR-, NMR-, DFT- and X-ray analysis of novel C2-chiral diferrocenyl-salen complexes. *JOURNAL OF ORGANOMETALLIC CHEMISTRY* 706: pp. 46-51 (2012)

23. Kiss NZ, Kaszas A, Drahos L, Mucsi Z, Keglevich G: A neighbouring group effect leading to enhanced nucleophilic substitution of amines at the hindered alpha-carbon atom of an alpha-hydroxyphosphonate. *TETRAHEDRON LETTERS* 53:(2) pp. 207-209 (2012)
24. Kovács G, Stirling A, Lledós A, Ujaque G: The Nature of [PdCl₂(C₂H₄)(H₂O)] as an Active Species in the Wacker Process: New Insights from Ab Initio Molecular Dynamics Simulations. *CHEMISTRY-A EUROPEAN JOURNAL* 18:(18) pp. 5612-5619 (2012)
25. Kovács R, Balogh G T, Ludányi K, Drahos L, Keglevich G: A study on the reduction of 4-chloro-1,2-dihydrophosphinine oxides by transfer hydrogenation. *PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS* 187:(1) pp. 121-127 (2012)
26. Kuki A, Nagy L, Shemirani G, Memboeuf A, Drahos L, Vékey K, Zsuga M, Kéki S: A simple method to estimate relative stabilities of polyethers cationized by alkali metal ions. *RAPID COMMUNICATIONS IN MASS SPECTROMETRY* 26:(3) pp. 304-308 (2012)
27. Lucero PL, Peláez WJ, Riedl Z, Hajós G, Moyano EL, Yranzo GI: Flash vacuum pyrolysis of azolyacroleins and azolybutadienes. *TETRAHEDRON* 68:(4) pp. 1299-1305 (2012)
28. Mayer I, Rokob TA: Internal coordinates of quantum-mechanical systems. *PHYSICAL REVIEW A* 85: Paper 044101. 3 p. (2012)
29. Mayer I: Improved chemical energy component analysis. *PHYSICAL CHEMISTRY CHEMICAL PHYSICS* 14:(1) pp. 337-344 (2012)
30. 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)
31. Miskolczi Z, Biczók L, Jablonkai I: Comment on "Dual Fluorescence of Ellipticine: Excited State Proton Transfer from Solvent versus Solvent Mediated Intramolecular Proton Transfer". *JOURNAL OF PHYSICAL CHEMISTRY A* 116:(2) pp. 899-900 (2012)
32. Nagy NV, Van Doorslaer S, Szabó-Plánka T, Van Rompaey S, Hamza A, Fülöp F, K Tóth G, Rockenbauer A: Copper(II)-Binding Ability of Stereoisomeric cis- and trans-2-Aminocyclohexanecarboxylic Acid-l-Phenylalanine Dipeptides. A Combined CW/Pulsed EPR and DFT Study. *INORGANIC CHEMISTRY* 51: pp. 1386-1399 (2012)
33. Ozohanics O, Turiák L, Drahos L, Vékey K: Comparison of glycopeptide/glycoprotein enrichment techniques. *RAPID COMMUNICATIONS IN MASS SPECTROMETRY* 26:(2) pp. 215-217 (2012)

34. Ramos-Cordoba E, Matito E, Mayer I, Salvador P: Toward a Unique Definition of the Local Spin. JOURNAL OF CHEMICAL THEORY AND COMPUTATION 8: pp. 12070-1279 (2012)
35. Rapi Z, Bakó P, Keglevich G, Szöllősy Á, Drahos L, Botyánszki A, Holczbauer T: Asymmetric phase transfer Darzens reactions catalyzed by D-glucose- and D-mannose-based chiral crown ethers. TETRAHEDRON-ASYMMETRY 23:(6-7) pp. 489-496 (2012)
36. Sigg SJ, Seidi F, Renggli K, Silva TB, Kali G, Bruns N: ATRPases: Enzymes as Catalysts for Atom Transfer Radical Polymerization. CHIMIA 66: pp. 66 (2012)
37. Srnc M, Rokob TA, Schwartz JK, Kwak Y, Rulisek L, Solomon EI: Structural and Spectroscopic Properties of the Peroxodiferric Intermediate of Ricinus Communis Soluble Delta-9 Desaturase. INORGANIC CHEMISTRY 51: pp. 2806-2820. (2012)
38. Tálas E, Zsila F, Szabó P, Margitfalvi JL: Influence of achiral amine additives on the Orito's reaction. JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL 357: pp. 87-94 (2012)
39. Tárkányi G, Király P, Soós T, Varga S: Active conformation in amine-thiourea bifunctional organocatalysis preformed by catalyst aggregation. CHEMISTRY-A EUROPEAN JOURNAL 18:(7) pp. 1918-1922 (2012)
40. Varga S: Illatok, terpének: A természet illatanyagai. KÉMIAI PANORÁMA 8: pp. 42-43 (2012)