

Scientific papers published in ISI journals

1. *Recognition of amino acids by functionalized calixarenes*
L. Mutihac, J. H. Lee, J. S. Kim, J. Vicens
Chem. Soc. Rev. 40: 2777-2796, 2011.
2. *Host-guest sensing by calixarenes on the surfaces*
H. J. Kim, M. H. Lee, L. Mutihac, J. Vicens, J. S. Kim
Chem. Soc. Rev. DOI: **10.1039/c0Cxx00000x**, 2011, www.rsc.org/csr
3. *Mass spectrometric behavior of functionalized calix[4]arenes: the screening ability of host-guest complex formation with amino acid methyl esters*
A. Medvedovici, F. Albu, A. Hamdi, R. Souane, L. Kim, L. Mutihac, J. Vicens
J. Incl. Phenom. Macrocycl. Chem. accepted, to be published in 2011.
DOI **10.1007/s10847-010-9860-y**, available at:
<http://www.springerlink.com/content/f072p22736480qp3/> , 2011.
4. *Anion complexation by meso-octamethylcalix[4]pyrrole in aqueous solution*
H.-J. Buschmann, E. Schollmeyer, E. Cleve, L. Mutihac
Analytical Letters, accepted, to be published in 44, iss.15, 2011.
5. *Calix[4]azacrowns as ionophores for liquid-liquid extraction and facilitated transport of biological supramolecular complexes*
I. Varduca Enache, L. Mutihac, A. Ben Othman, J. Vicens
J. Incl. Phenom. Macrocycl. Chem., accepted, to be published in 2011.
DOI: **10.1007/s10847-011-9944-3**
6. *Solvent extraction of dopamine by heptakis (2,3,6-tri-O-acetyl)- β -cyclodextrin*
E. Diacu, L. Mutihac, E. Ruse, M. M. Ceausescu
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DOI **10.1007/s10847-011-0004-9**
7. *The determination of the nanostructured materials morphology, by applying the statistics of the structural element maps*
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9. *Calix[n]arenes as synthetic membrane transporters – A mini review*
Lucia Mutihac
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10. *Selective membrane transport of amino acids by functionalized calix[4]arene*
L. Kim, A. Hamdi, A.-D. Stancu, R. Souane, L. Mutihac, J. Vicens
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11. *Chemiluminescence of 5-(azo-para-phenylene-N-aza-15-crown-5)-phthalhydrazide*
R. D. Baratoiu, L. Mutihac, M. Vasilescu, M. Voicescu, A. Latus, G. Ionita, A. Beteringhe, T. Constantinescu, A. T. Balaban
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14. *Extraction and transport behavior of aromatic amino acids by modified cyclodextrin*
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16. *The formation of homogeneous and heterogeneous 2:1-complexes between dialkyl- and diarylammonium ions and α -cyclodextrin and cucurbit[6]uril in aqueous formic acid*
H.-J. Buschmann, L. Mutihac, E. Schollmeyer
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17. *The formation of alkali and alkaline earth cation complexes with cucurbit[6]uril in aqueous solution: A critical survey of old and new results*
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27. *11-Aminoundecanoic acid, cyclodextrins (α , β) and cucurbit[n]urils ($n=6, 7$) as building blocks for supramolecular assemblies. A thermodynamic study.*
H.-J. Buschmann, L. Mutihac, E. Schollmeyer
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