

Publications 2001

(alphabetically ordered by first author)

- 1 PLEVNIK, Miha, CRNUGELJ, Martin, STIMAC, Anton, KOBE, Joze, PLAVEC, Janez. 8-aza-3-deazaguanine modification strengthens the anomeric effect and affects other conformational preferences of modified guanine nucleosides *J. Chem. Soc., Perk. T. 2*, 2002, no. 8, 1433-1438. [COBISS-ID 2427162]
- 2 CRNUGELJ, Martin, PLAVEC, Janez. NMR conformational study reveals that S-C-N anomeric effect in thionucleosides weaker than O-C-N anomeric effect in natural nucleosides. *Croat. Chem. Acta*, 2001, vol. 74, no. 2, 381-398. [COBISS-ID 2399514]
- 3 KRALJ CIGIC, Irena, PLAVEC, Janez, SMOLE MOZINA, Sonja, ZUPANCIC-KRALJ, Lucija. Characterisation of sorbate geometrical isomers. *J. Chromatogr.*, 2001, vol. 905, no. 1/2, 359-366. [COBISS-ID 2464632]
- 4 HUD, Nicholas V., POLAK, Matjaz. DNA-cation interactions: the major and minor grooves are flexible ionophores. *Curr. Opin. Struct. Biol.*, 2001, vol. 11, no. 3, 293-301. [COBISS-ID 2399770]
- 5 STEFANIC, Petra, BREZNIK, Matej, LAH, Nina, LEBAN, Ivan, PLAVEC, Janez, KIKELJ, Danijel. A synthesis of alkyl 4-alkyl-2-hydroxy-3-oxo-3, 4-dihydro-2H-1,4- benzoxazine-2-carboxylates. *Tetrahedron Lett.*, 2001, vol. 42, no. 31, 5295-5297. [COBISS-ID 2426906]
- 6 STANIFORTH, Rosemary A., GIANNINI, Silva, HIGGINS, Lee D., CONROY, Matthew J., HOUNSLOW, Andrea M., JERALA, Roman, CRAVEN, C. Jeremy, WALTHO, Jonathan P. Three-dimensional domain swapping in the folded and molten-globule states of cystatins, an amyloid-forming structural superfamily. *EMBO J.*, 2001, vol. 20, no. 17, 4774-4781. [COBISS-ID 2440218]
- 7 KENIG, Manca, JERALA, Roman, KROON ZITKO, Louise, TURK, Vito, ZEROVNIK, Eva. Major differences in stability and dimerization properties of two chimeric mutants of human stefins. *Proteins*, 2001, vol. 42, no. 4, 512-522. [COBISS-ID 15888679]
- 8 KOLOCOURIS, Antonios, MAVROMOUSTAKOS, Thomas, DEMETZOS, Costas, TERZIS, Aris, GOLIC GRDADOLNIK, Simona. Structure elucidation and conformational properties of a novel bioactive clerodane diterpene using a combination of high field NMR spectroscopy, computational analysis and X-ray diffraction. *Bioorg. Med. Chem. Lett.*, 2001, vol. 11, no. 6, 837-840. [COBISS-ID 2379802]
- 9 POLEVAYA, Ludmila, MAVROMOUSTAKOS, Thomas, ZOUMBOULAKIS, Panagiotis, GOLIC GRDADOLNIK, Simona, ROUMELIOTI, Panagiota, GIATAS, Nektarios, MUTULE, Ilze, KEIVISH, Tatjana, VLAHAKOS, Demetrios V., ILIODROMITIS, Efstathios K., KREMASTINOS, Dimitrios Th., MATSOUKAS, John. Synthesis and study of a cyclic angiotensin II antagonist analogue reveals the role of $\pi^*-\pi^*$ interactions in the C-terminal aromatic residue for agonist activity and its structure resemblance with AT₁ non-peptide antagonists. *Bioorg. Med. Chem.*, 2001, vol. 9, no. 6, 1639-1647. [COBISS-ID 2429722]

- 10 ZEGA, Anamarija, MLINSEK, Gregor, SEPIC, Petja, GOLIC- GRDADOLNIK, Simona, SOLMAJER, Tomaz, TSCHOPP, Tomas B., STEINER, Beat, KIKELJ, Danijel, URLEB, Uros. Design and structure-activity relationship of thrombin inhibitors with an azaphenylalanine scaffold: potency and selectivity enhancements via P2 optimization. *Bioorg. Med. Chem.*, 2001, vol. 9, no. 10, 2745-2756. [COBISS-ID 973937]
- 11 KIDRIC, Jurka, FEHER, Krisztina, SZILAGYI, Laszlo, PRISTOVSEK, Primož. Conformational analysis of peptides neutralising LPS pathogenicity – NMR and molecular modelling study. V: MARTINEZ, Jean (ur.), FEHRENTZ, Jean-Alain (ur.). *Peptides 2000 : Proceedings of the Twenty-sixth European Peptide Symposium, September 10-15, 2000, Montpellier, France*. Paris: Editions EDK, cop. 2001, 79-80. [COBISS-ID 2388250]
- 12 PRISTOVSEK, Primož, KIDRIC, Jurka. Peptides neutralising lipopolysaccharide - structure and function. *Mini Rev. Med. Chem.*, 2001, vol. 1, no. 4, 409-416. [COBISS-ID 2524442]
- 13 MALI, Gregor, MEDEN, Anton, RISTIC, Alenka, NOVAK TUSAR, Natasa, KAUCIC, Venceslav. Interaction of dipropylamine template molecules with the framework of as-synthesized AlPO₄-31. *J. Phys. Chem., B Condens. Mater. Surf. Interfaces Biophys.*, 2002, vol. 106, no. 1, 63-69. [COBISS-ID 2521114]
- 14 HUSKIC, Miroslav, ZIGON, Majda. Side-chain polyesters derived from adipoyl chloride and α -(bis(2-hydroxyethyl)amino)- ω -(4'-methoxybiphenyl-4-oxy) alkanes. *Polym. Bull.*, 2001, vol. 47, no. 3-4, 209-216. [COBISS-ID 2539546]
- 15 MAV, Ida, ZIGON, Majda. ¹H NMR study of the kinetics of substituted aniline polymerization. I, Homopolymerization of 2-methoxyaniline. *J. Polym. Sci., Part A, Polym. Chem.*, 2001, vol.39, no.14, 2471-2481. [COBISS-ID2391578]
- 16 MAV, Ida, ZIGON, Majda. ¹H NMR study of the kinetics of substituted aniline polymerization. II, Copolymerization of 2-methoxyaniline and 3-aminobenzenesulfonic acid. *J. Polym. Sci., Part A, Polym. Chem.*, 2001, vol. 39, no. 14, 2482-2493. [COBISS-ID 2391834]
- 17 MAV, Ida, ZIGON, Majda. Chemical copolymerization of aniline derivatives: preparation of fully substituted PANI. *Synthetic Met.*, 2001, vol. 119, no. 1-3, 145-146. [COBISS-ID 2379546]
- 18 ROT, Katarina, HUSKIC, Miroslav, MAKAROVIC, Matjaz, LJUBIC- MLAKAR, Tanja, ZIGON, Majda. Interfacial effects in glass fibre composites as a function of unsaturated polyester resin composition. *Comp., Part A, Appl. Sci. Manuf.*, 2001, part A, vol. 32, no. 3-4, 511-516. [COBISS-ID 538215]
- 19 KOSIR, Iztok Joze, KOCJANCIC, Mitja, OGRINC, Nives, KIDRIC, Jurkica. Use of SNIF-NMR and IRMS in combination with chemometric methods for the determination of chaptalisation and geographical origin of wines (the example of Slovenian wines). *Anal. Chim. Acta.*, 2001, vol. 429, no. 2, 195-206. [COBISS-ID 2309146]
- 20 OGRINC, Nives, KOSIR, Iztok Joze, KOCJANCIC, Mitja, KIDRIC, Jurkica. Determination of authenticity, regional origin, and vintage of Slovenian wines using a combination of IRMS and SNIF-NMR analyses. *J. Agric. Food Chem.*, 2001, vol. 49, no. 3, 1432-1440. [COBISS-ID 15922471]
- 21 KOSIR, Iztok Joze, KIDRIC, Jurka. Identification of amino acids in wines by one- and two-dimensional nuclear magnetic resonance spectroscopy. *J. Agric. Food Chem.*, 2001, vol. 49, no. 1, 50-56. [COBISS-ID 2268442]

- 22 CERKOVNIK Janez, ERZEN Evgen, KOLLER Joze, PLESNICAR Bozo. Evidence for HOOO radicals in the formation of alkyl hydrotrioxides (ROOOH) and hydrogen trioxide (HOOOH) in the ozonization of C-H bonds in hydrocarbons. *J. Am. Chem. Soc.*, 2002, vol. 124, no. 3, 404-409. [COBISS-ID 24045061]
- 23 TRATAR, Franci, MARC, Gasper, SOLLNER, Marija, KIKELJ, Danijel Synthesis of the retro-inverso peptide analogues of N-acetylmuramyl- L-alanyl-D-isoglutamine (MDP). *ARKIVOC.*, 2001, vol. 2, part 3, 1-15. [COBISS-ID 958577]
- 24 BREZNIK, Matej, GOLIC GRDADOLNIK, Simona, GIESTER, Gerald, LEBAN, Ivan, KIKELJ, Danijel. Influence of chirality of the preceding acyl moiety on the cis/trans ratio of the proline peptide bond. *J. Org. Chem.*, 2001, vol. 66, no. 21, 7044-7054. [COBISS-ID 992625]
- 25 MARINKO, Petra, KASTELIC, Joze, KRBAVCIC, Ales, KIKELJ, Danijel. A convenient synthesis of 4-aminomethyl-4,5,6,7-tetrahydro- 1,3-benzothiazole arginine side-chain mimetics. *Tetrahedron Lett.*, 2001, vol. 42, no. 50, 8911-8913. [COBISS-ID 1014641]
- 26 PEI, Wen, KOBE, Joze. Preparation of platinum(II) complexes with 1-beta-D-ribofuranosyl-1,2,4- triazole-3-carboxamide and its deoxy-analogue. *Chin. Chem. Lett.*, 2001, vol. 12, no. 6, 559-562. [COBISS-ID 2541850]
- 27 MARGIOTTA, Nicola, FANIZZI, Francesco P., KOBE, Joze, NATILE, Giovanni. Synthesis, characterization and antiviral activity of platinum(II) complexes with 1,10-phenanthrolines and the antiviral agents acyclovir and penciclovir. *European Journal of Inorganic Chemistry*, 2001, no. 5, 1303-1310. [COBISS-ID 2396186]
- 28 GAROUFIS, Achilleas, KARIDI, Konstantina, HADJILIADIS, Nick, KASSELOURI, Spyridoula, KOBE, Joze, BALZARINI, Jan, CLERCQ, Eric De. Synthesis, characterization and antiviral properties of Pd(II) complexes with penciclovir. *Met.-based Drug.*, 2001, vol. 8, no. 1, 57-63. [COBISS-ID 2442266]