

Em. Prof. dr hab. Zofia Dega-Szafran

Publikacje 2007

1.a. Publikacje w czasopismach wyróżnionych z listy Filadelfijskiego Instytutu Informacji Naukowej

1. „Synthesis and characterization of 1-carbalkoxymethyl-4-hydroxy-1-methylpiperidinium chlorides”
Z.Dega-Szafran, E.Dulewicz, B.Brycki
ARKIVOC vi, 2007, p.90-102
2. „Crystal and molecular structure, hydrogen bonding and electrostatic interactions of bis(homarine) hydrogen perchlorate studied by X-ray diffraction, DFT calculations, FTIR and Raman spectroscopies”
M.Szafran, A.Katrusiak, Z.Dega-Szafran
J. Mol. Struct. 839, 2007, p.99-106
3. „Hydrogen bonds and electrostatic interactions in 1:1 and 2:1 complexes of homarine with mineral acids studied by NMR, FTIR, DFT and X-ray diffraction”
M.Szafran, A.Katrusiak, Z.Dega-Szafran
J. Mol. Struct. 827, 2007, p.56-66
4. „Molecular structure and spectroscopic properties of the complex of N-methylmorpholine betaine with 3,4-dinitrophenol”
Z.Dega-Szafran, A.Katrusiak, M.Szafran
J. Mol. Struct. 841, 2007, p.125-132
5. „Molecular structure, hydrogen bonding, basicity and spectroscopic properties of 3-hydroxypyridine betaine hydrochloride monohydrate”
P.Barczyński, A.Komasa, A.Katrusiak, Z.Dega-Szafran, M.Szafran
J. Mol. Struct. 832, 2007, p.63-72
6. „Structure of 1-methylpyridinium-4-carboxylate monohydrate studied by X-ray, FT-IR, Raman, NMR and ab initio methods”
M.Szafran, E.Bartoszak-Adamska, J.Kopot, Z.Dega-Szafran
J. Mol. Struct. 844-845, 2007, p.140-156
7. „Structure of the 2:1 complex of 1-piperidineacetic acid and p-hydroxybenzoic acid studied by X-ray, FTIR, ¹H, ¹³C NMR, and DFT methods”
Z.Dega-Szafran, G.Dutkiewicz, Z.Kosturkiewicz, M.Szafran
J. Mol. Struct. 844-845, 2007, p.38-47
8. „Structure, conformation and hydrogen bonding of 4-(N-methylpiperidinium)-butyric acid bromide”
Z.Dega-Szafran, E.Dulewicz, M.Szafran, R.Thaimattam, M.Jaskólski
J. Mol. Struct. 828, 2007, p.19-24
9. „X-ray and ab initio studies of the structure, vibrational and NMR spectra of 1-methyl-3-hydroxypyridinium chloride”
M.Szafran, A.Komasa, A. Katrusiak, Z.Dega-Szafran, P.Barczyński
J. Mol. Struct. 844-845, 2007, p.102-114
10. „X-ray, MP2 and DFT studies of the structure, vibrational and NMR spectra of homarine”
M.Szafran, A.Katrusiak, J.Kopot, Z.Dega-Szafran
J. Mol. Struct. 846, 2007, p.1-12
11. „Crystal and Molecular Structure of 1:1 Complex Between Piperidine-3-carboxylic Acid and p-Hydroxybenzoic Acid Studied by X-ray Diffraction, FTIR, ¹H and ¹³C NMR Spectroscopy, and B3LYP Method”
Z.Dega-Szafran, M.Jaskólski, M.Szafran
Pol. J. Chem. 81, 2007, p.931-946

1.c. Publikacje w recenzowanych wydawnictwach zbiorowych

1. „Structure of the complex of piperidineacetic acid with p-hydroxybenzoic acid and related compounds” w "Annals of Polish Chemical Society'2007"
Z.Dega-Szafran, G.Dutkiewicz, Z.Kosturkiewicz, M.Szafran
PTCh Gdańsk , 2007, p.103-106
2. „DFT Calculation of structure and vibrational spectrum of β-4-hydroxy-1-methyl-piperidine betaine hydrochloride” w "Annals of Polish Chemical Society'2007"
M.Szafran, Z.Dega-Szafran, J.Kopot, E.Dulewicz, W.B.Person, K.Szczepaniak
PTChem Gdańsk , 2007, p.573-576

2.b.2. Autorstwo rozdziału w monografii lub podręczniku akademickim w języku polskim lub innym nie angielskim

Em. Prof. dr hab. Zofia Dega-Szafran

1. „Betainy i ich kompleksy z kwasami" w "Na pograniczu chemii i biologii"

M.Szafran, Z. Dega-Szafran

Wyd. Naukowe UAM XVIII, 2007, p.255-275