

**Katedra organické chemie  
Fakulta chemicko-technologická  
Univerzita Pardubice**

**Department of Organic Chemistry  
Faculty of Chemical Technology  
University of Pardubice**

**Publikace v mezinárodních odborných časopisech za rok 2006  
Scientific papers in international journals for the year 2006**

Böhm S., Pařík P., Exner O.:  
*Range of validity of the Hammett equation: acidity of substituted ethynylbenzenes.*  
New Journal of Chemistry, 30, 3, 384-391, (2006)

Bureš F., Szotkowski T., Kulhánek J., Pytela O., Ludwig M., Holčapek M.:  
*Novel nitrogen ligands based on imidazole derivatives and their application in asymmetric catalysis.*  
Tetrahedron: Asymmetry, 17, 6, 900-907, (2006)

Drabina P., Hanusek J., Jirásko R., Sedlák M.:  
*Complexes of 2,6-Bis(5-alkyl-1,5-dimethyl-4,5-dihydro-1H-imidazol-4-on-2-yl)pyridine ligands. Synthesis, characterization and solvolytic stability.*  
Transition Metal Chemistry, 31, 8, 1052-1056, (2006)

Fiedler P., Bohm S., Kulhánek J., Exner O., :  
*Acidity of Ortho-Substituted Benzoic Acids: an Infrared and Theoretical Study of the Intramolecular Hydrogen Bonds..*  
Organic & Biomolecular Chemistry, 4, 4, 2003-2011, (2006)

Hanusek J., Rosa P., Drabina P., Sedlák M.:  
*Cyclization of 2-benzoylamino-N-methyl-thiobenzamides to 3-methyl-2-phenylquinazolin-4-thiones.*  
Journal of Heterocyclic Chemistry, 43, 5, 1281-1285, (2006)

Hanusek J., Sedlák M., Jansa P., Štěrba V.:  
*Study of Ring Closure Reaction of Substituted Phenyl N-(2-thiocarbamoylphenyl)carbamates Catalysed by Methoxide Ion.*  
Journal of Physical Organic Chemistry, 19, 1, 61-67, (2006)

Jansa J., Macháček V., Bertolasi V.:  
*Derivatives of 1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid.*  
Heterocycles, 68, 1, 59-69, (2006)

Jansa P., Wsól V., Bertolasi V., Macháček V.:  
*Hydantoins and Thiohydantoins Derived from 1,2,3,4-Tetrahydroisoquinoline-3-carboxylic Acid.*  
Heterocycles, 68, 12, 2527-2547, (2006)

Keder R., Drabina P., Hanusek J., Sedlák M.:  
*New substituted mono- and bis(imidazolyl)pyridines and their application in nitroaldolisation reaction.*  
Chemical Papers, 60, 4, 324-326, (2006)

Lyčka A., Doleček R., Šimůnek P., Macháček V.:  
 *$^{15}N$  NMR spectra of some ionic liquids based on 1,3-disubstituted imidazolium cations.*  
Magnetic Resonance in Chemistry, 44, 5, 521–523, (2006)

May C. J., LaPorta R. P., Esemenhon B., Biaggio I., Michinobu T., Bureš F., Diederich F.:  
*Optimizing specific third-order polarizabilities and approaching the fundamental limit in donor substituted cyanoethynylethenes (CEE) molecules.*  
Proc. of SPIE, 6331, 633101, (1-14), (2006)

Pařík P., Šenauerová S., Lišková V., Handlíř K., Ludwig M.:  
*Study of Synthesis of 2-(2-Alkoxyphenyl)-1H-imidazoles. Comparison of Oxidative Aromatization Reactions of Imidazolines..*  
Journal of Heterocyclic Chemistry, 43, 4, 835-841, (2006)

Pešková M., Šimůnek P., Bertolasi V., Macháček V., Lyčka A.:  
*Novel 5-(4-subst.phenyldiazenyl)-1,3,2-lambda-4-oxazaborines and their rearrangement to 1,2,4,3-lambda-4-triazaborines.*  
Organometallics, 25, 8, 2025-2030, (2006)

Přikryl J., Černý M., Bělohlavová H., Macháček V., Lyčka A.:  
*Structure of Azo Coupling Products of 5-Nitro-2,1-benzisothiazole-3-diazonium Hydrogenesulphate with Aromatic Amines.*  
Dyes and Pigments, 00, 392-402, (2006)

Sedláček M., Drabina P., Keder R., Hanusek J., Císařová I., Růžička A.:  
*Copper(II) complexes containing chiral substituted 2-(4-isopropyl-4-methyl-4,5-dihydro-1H-imidazol-5-one-2-yl)pyridine ligands: synthesis, X-ray structural studies and asymmetric catalysis.*  
Journal of Organometallic Chemistry, 691, 11, 2623-2630, (2006)

Szotkowski T., Bureš F., Pytela O., Kulhánek J., Trávníček Z.:  
*Synthesis and E/Z Determination of Substituted 2-Phenylimidazole..*  
Journal of Heterocyclic Chemistry, 43, 11, 1583-1589, (2006)

Turský M., Nečas D., Drabina P., Sedláček M., Kotora M.:  
*Rhodium-Catalyzed Deallylation of Allylmalonates and Related Compounds.*  
Organometallics, 25, 4, 901-907, (2006)

Perez M., Tuma, I., Pytela, O., Kadlecova E., Zemanova M., Lenderova Z.:  
*Acetylcholinesterase inhibitor donepezil in the treatment of cognitive deficit in schizophrenia. Subanalysis of the active branch from Czech extended double blind study.*  
European Psychiatry, 21, 8, 548-550, (2006)