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Scientific papers in international journals for the year 2004**

Buděinský M., Kulhánek J., Böhm S., Cíglér P., Exner O.:

*<sup>13</sup>C and <sup>1</sup>H Nuclear Magnetic Resonance of Methyl-Substituted Acetophenones and Methyl Benzoates: Steric Hindrance and Inhibited Conjugation.*

Magnetic Resonance in Chemistry, 42, 10, s. 844-851, (2004)

Duplais C., Bureš F., Sapountzis I., Korn T., Cahiez G., Knochel P.:

*An Efficient Synthesis of Diaryl Ketones by Iron-Catalyzed Arylation of Aroyl Cyanides.*

Angewandte Chemie International Edition, 43, 22, s. 2968-2970, (2004)

Duplais C., Bureš F., Sapountzis I., Korn T., Cahiez G., Knochel P.:

*An Efficient Synthesis of Diaryl Ketones by Iron-Catalyzed Arylation of Aroyl Cyanides.*

ChemInform, 35, 37, s. 1-3, (2004)

Hanusek J., Hejtmánková L., Štěrba V., Sedláček M.:

*Influence of Substitution on Kinetics and Mechanism of Ring Transformation of Substituted S-[1-Phenylpyrrolidin-2-on-3-yl]isothiuronium Salts.*

Organic & Biomolecular Chemistry, 2, 12, s. 1756-1763, (2004)

Hanusek J., Sedláček M., Keder R., Štěrba V.:

*Kinetics and Mechanism of Desulfurization Reaction of 1-Methyl-2-phenylquinazoline-4(1H)-thiones.*

Collection of Czechoslovak Chemical Communications, 69, 12, s. 2212-2222, (2004)

Kettmann V., Lokaj J., Kožíšek J., Přikryl J., Macháček V.:

*3-Butyl-1-(5-nitrobenzo[c][1,2]-thiazol-3-yl)-3-phenyltriazene.*

Acta Crystallographica Section C - Crystal Structure Communications 60, s. O143-O145, (2004)

Kubicová L., Pravda M., Buchta V., Vopršálová M., Sedláček M.:

*Amphotericin B, Its Lipid Formulations and Conjugates with Polymers.*

Central European Journal of Public Health, Supplement, s. 53-55, (2004)

Kulhánek J., Böhm S., Palát K., Exner O.:

*Steric Inhibition of Resonance: Revision of the Principle on the Electronic Spectra of Methyl-Substituted Acetophenones.*

Journal of Physical Organic Chemistry, 17, 8, s. 686-693, (2004)

Mansfeld M., Pařík P., Ludwig M.:

*Effect of para Substitution on Dissociation of N-Phenylbenzenesulfonamides.*

Collection of Czechoslovak Chemical Communications, 69, 7, s. 1479-1490, (2004)

Pařík P., Ludwig M.:

*Analysis of Substituent Effects in Naphthalene Skeleton.*

Collection of Czechoslovak Chemical Communications, 69, 12, s. 2297-2314, (2004)

Perjessy A., Fabian W.M.F., Pařík P., Ludwig M., Loos D., Šusteková Z.:

*Structure-Acidity-IR Spectra Correlations for p-Substituted N-Phenylsulfonylbenzamides.*

Molecules, 9, 4, s. 213-222, (2004)

Pešková M., Hanusek J., Macháček V.:

*Kinetics and Mechanism of the Cyclisation of Methyl-(2-cyano-4,6-dinitrophenylsulfanyl)acetate Producing Methyl-3-amino-5,7-dinitro-benzo[b]thiophene-2-carboxylate.*  
Chemical Papers, 58, 2, s. 133-138, (2004)

Pícha J., Cibulka R., Liška F., Pařík P., Pytela O.:  
*Reparametrization and/or Determination of Hammett, Inductive, Mesomeric and AISE Substituent Constants for Five Substituents:  $N^+(CH_3)_3$ ,  $CH_2N^+(CH_3)_3$ ,  $CH_2Py^+$ ,  $CH_2SO_2CH_3$  and  $PO(OCH_3)_2$ .*  
Collection of Czechoslovak Communication, 69, 12, s. 2239-2252, (2004)

Pícha J., Cibulka R., Hampl F., Liška F., Pařík P., Pytela O.:  
*Reactivity of p-Substituted Benzaldoximes in the Cleavage of p-Nitrophenyl Acetate: Kinetics and Mechanism.*  
Collection of Czechoslovak Chemical Communications, 69, 2, s. 397-413, (2004)

Pytela O., Bednář R., Kaválek J.:  
*Mechanism of Acid Catalysed Decomposition of 3-Alkyl-1,3-diphenyltriazenes by Trichloroacetic Acid in Hexane.*  
Journal of Physical Organic Chemistry, 17, 4, s. 343-349, (2004)

Sedlák M., Drabina P., Císařová I., Růžička A., Hanusek J., Macháček V.:  
*New Chiral Ligands and Iron(III) Complexes Based on 2,6-bis(1-Benzyl-4-isopropyl-4-methyl-4,5-dihydro-1H-imidazol-5-on-2-yl)pyridines.*  
Tetrahedron Letters, 45, 41, s. 7723-7726, (2004)

Sedlák M., Tauer K.:  
*One-Step Synthesis of New Anionic Gemini Surface Active Azoinitiators.*  
Synlett, 2, s. 299-300, (2004)

Schraml J., Sýkora J., Fiedler P., Roithová J., Mindl J., Blechta V., Císařová I., Exner O.:  
*N,O-Diacylhydroxylamines - Structures in Crystals and Solutions.*  
Organic & Biomolecular Chemistry, 2, 16, s. 2311-2314, (2004)

Šimůnek P., Pešková M., Bertolasi V., Lyčka A., Macháček V.:  
*Formation of Pyridazinium Salts by Azo Coupling of N-Substituted 3-Amino-1-phenylbut-2-en-1-ones and Diazonium Salts.*  
European Journal of Organic Chemistry, 24, s. 5055-5063, (2004)

Varela J., Pena D., Goldfuss B., Denisenko D., Kulhánek J., Polborn K., Knochel P.:  
*Diastereoselective Remote C-H Activation by Hydroboration.*  
Chemistry-A European Journal, 10, 17, s. 4252-4264, (2004)