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Scientific papers in international journals for the year 2007**

May J., Biaggio I., Bureš F., Diederich F.:

Extended conjugation and donor-acceptor substitution to improve the third-order optical nonlinearity of small molecules.

Applied Physics Letters, 90, s. 251106-3, (2007)

0003-6951.

Bureš F., Scheizer B., May J., Boudon C., Gisselbrecht J., Gross M., Biaggio I., Diederich F.:
Property Tuning in Charge-Transfer Chromophores by Systematic Modulation of the Spacer between Donor and Acceptor.

Chemistry - A European Journal, 13, s. 5378-5387, (2007)

0947-6539.

Marek A., Kulhánek J., Ludwig M., Bureš F.:

Facile Synthesis of Optically Active Imidazole Derivatives..

Molecules, 12, 12, s. 1183-1190, (2007)

1420-3049.

Trögl J., Kuncová G., Kubicová L., Pařík P., Hálová J., Demnerová K., Ripp S., Sayler G.:
Response of the Bioluminescent Bioreporter Pseudomonas Fluorescens HK44 to Analogs of Naphthalene and Salicylic Acid..

Folia Microbiologica, 52, 1, s. 3-14, (2007)

0015-5632.

Hanusek J., Russell M., Laws A., Jansa P., Atherton J., Fettes K., Page M.:

Mechanism of the sulfurisation of phosphines and phosphites using 3-amino-1,2,4-dithiazole-5-thione (xanthane hydride).

Organic & Biomolecular Chemistry, 5, 3, s. 478-484, (2007)

1477-0520.

Hanusek J., Russell M., Laws A., Page M.:

Evidence for the formation of isothiocyanate during sulfurisation of phosphines and phosphites using xanthane hydride.

Tetrahedron Letters, 48, 3, s. 417-419, (2007)

0040-4039.

Hanusek J., Verner J., Potáček M.:

Mechanism of criss-cross reaction of aromatic glyoxalimines with potassium cyanate and thiocyanate.

Heterocycles, 71, 4, s. 903-910, (2007)

0385-5414.

Hanusek J., Macháček V., Lyčka A.:

Reaction of 2-naphthol with substituted benzenediazonium salts in [bmim][BF₄].

Dyes and Pigments, 73, 3, s. 326-331, (2007)

0143-7208.

Mikysek T., Švancara I., Bartoš M., Vytřas K., Drabina P., Sedlák M., Klíma J., Urban J.,
Ludvík J.:

Electrochemical Studies on New Chelating Compounds of the Mono- and Bis(imidazolyl)pyridine Type.

Electroanalysis, 19, 24, s. 2529-2537, (2007)

1040-0397.

Nečas D., Drabina P., Sedlák M., Kotora M.:

Fe-Catalyzed reactions of 2-chloro-1,7-dienes and allylmalonates.

Tetrahedron Letters, 48, 26, s. 4539-4541, (2007)

0040-4039.

Přikryl J., Černý M., Bělohavová H., Macháček V., Lyčka A.:

Structure of azo coupling products of 5-nitro-2,1-benzisothiazole-3-diazonium hydrogensulphate with aromatic amines.

Dyes and Pigments, 72, 3, s. 392-402, (2007)

0143-7208.

Lyčka A., Koloničný A., Šimůnek P., Macháček V.:

Synthesis of some phenylazonaphthols in an ionic liquid.

Dyes and Pigments, 72, 2, s. 208-211, (2007)

0143-7208.

Jansa P., Macháček V., Nachtigall P., Wsól V., Svobodová M.:

Coordination Compounds based on 1,2,3,4-tetrahydro-isoquinoline-3-carboxylic acid.

Molecules, 12, 5, s. 1064-1079, (2007)

1420-3049.

Šimůnek P., Lusková L., Svobodová M., Bertolasi V., Lyčka A., Macháček V.:

Synthesis and Structure of Some Azo Coupled Cyclic beta-Enaminones.

Magnetic Resonance in Chemistry, 45, 4, s. 330-339, (2007)

0749-1581.

Šimůnek P., Svobodová M., Bertolasi V., Pretto L., Lyčka A., Macháček V.:

Structure of Azo Coupling Products from N-Alkylenaminones Derived from Acetylacetone and Benzoylacetone in Solid Phase and in Solution.

New Journal of Chemistry, 31, 3, s. 429-438, (2007)

1144-0546.

Sedlák M., Pravda M., Štaud F., Kubicová L., Týčová K., Ventura K.:

Synthesis of pH-sensitive amphotericin B - poly(ethylen glycol) conjugates and study of their controlled release in vitro.

Bioorganic & Medicinal Chemistry, 15, 12, s. 4069-4076, (2007)

0968-0896.

Sedlák M., Pravda M., Kubicová L., Mikulčíková P., Ventura K.:
Synthesis and characterization of a new pH-sensitive amphotericin B - poly(ethylen glycol)-b-poly(L-lysine) conjugate.
Bioorganic & Medicinal Chemistry Letters, 17, 9, s. 2554-2557, (2007)
0960-894X.