

**Selected Publications of Professor, Dr. Mekhman S. Yusubov (total 93)**

1. **Mekhman S. Yusubov**, Aleksandra A. Zagulyaeva, and Viktor V. Zhdankin. Iodine(V)/Ruthenium (III)-Cocatalyzed Oxidations: A Highly Efficient Tandem Catalytic System for the Oxidation of Alcohols and Hydrocarbons with Oxone // *Chemistry a European Journal*. 2009. No. 15. P. 11091-11094
2. Victor N. Nemykin, Alexey Y. Koposov, Brian C. Netzel, **Mekhman S. Yusubov**, Viktor V. Zhdankin. Self-assembly of hydroxy(phenyl)iodonium ions in acidic aqueous solution: preparation, and X-ray crystal structures of oligomeric phenyliodine(III) sulfates // *Inorganic Chemistry*. 2009. Vol. 48. No.11. P. 4508-4517
3. I.M. Gerashkin, O.Pavlova, H.M. Neu, **M.S. Yusubov**, V.N. Nemikin, V.V. Zhdankin. Comparative reactivity of hypervalent iodine oxidation in metalloporphyrin-catalyzed oxygenation of hydrocarbons: iodosylbenzene sulfate and 2-iodylbenzoic acid ester as safe and convenient alternatives to iodosylbenzene // *Adv. Synth. Catal.* 2009. Vol. 351. No. 5. P. 733-727.
4. **Mekhman S. Yusubov**, Rosa Y. Yusubova, Tatyana V. Funk, Ki-Whan Chi, Viktor V. Zhdankin. Oligomeric iodosylbenzene sulfate, (PhIO)<sub>3</sub>•SO<sub>3</sub>: Convenient hypervalent iodine reagent for oxidation of organic sulfides and alkenes // *Synthesis*. 2009. No. 15. P. 2505-2508
5. **Mekhman S. Yusubov**, Tatyana V. Funk, Roza Y. Yusubova, Galina Zholobova, Andreas Kirschning, Joo Yeon Park, Ki-Whan Chi. *m*-Iodosylbenzoic Acid: Recyclable Hypervalent Iodine Reagent for  $\alpha$ -Tosyloxylation and -Mesyloxylation of Ketones // *Synthetic Communications*. 2009. Vol. 39. No. 21. P. 3772-3784
6. Jens Gaitzsch, Victor O. Rogachev, Peter Metz, **Mekhman S. Yusubov**, Victor D. Filimonov and Olga Kataeva. The first example of a domino Diels-Alder/retro-Diels-Alder reaction of 1,3-dienic  $\delta$ -sultones with alkynes: a simple synthesis of *m*-terphenyl dicarboxy derivatives from 4,6-diphenyl-[1,2]oxathiine 2,2-dioxide // *Journal of Sulfur Chemistry*. 2009. Vol. 30, No. 1. P. 4-9
7. Rogachev V.O., Filimonov V.D., **Yusubov M.S.**, Jager A. The reaction of alkynes with dimethyl sulfoxide, halogenated hydrocarbons and sulfur trioxide // *Journal of Sulfur Chemistry*. 2008. Vol. 29, No. 5. P. 511-519
8. **Yusubov M.S.**, T.V. Funk, Ki-Whan Chi, Eun-Hye Cha, Ghyung Hwa Kim, A. Kirschning, V.V. Zhdankin. M.S. Preparation and X-ray Structures of 3-[Bis(trifluoroacetoxy)iodo]benzoic Acid and 3-[Hydroxy(tosyloxy)iodo]benzoic Acid: New Recyclable Hypervalent Iodine Reagents // *J. Org. Chem.* 2008. Vol. 73. No. 1. P. 295-297
9. **Yusubov M.S.**, R.Ya. Yusubova, A. Kirschning, Joo Yeon Park, Ki-Whan Chi. *m*-Iodosylbenzoic acid, a tagged hypervalent iodine reagent for the iodo-functionalization of alkenes and alkyne // *Tetrahedron Letters*. 2008. Vol. 48. No. 9. P. 1506-1509
10. Kunst E., F. Gallier, G. Dujardin, **M.S. Yusubov**, A. Kirschning. Tagged Hypervalent Iodine Reagents: A New Purification Concept Based on Ion Exchange through SN2 Substitution // *Organic Letters*. 2007. Vol. 9. No. 26. P. 5234-5237
11. A.Y. Koposov, B.C. Netzel, **M.S. Yusubov**, V.N. Nemykin, A.Y. Nazarenko, V.V. Zhdankin. Preparation and Structure of Oligomeric Iodosylbenzene Sulfate (PhIO)<sub>3</sub>•SO<sub>3</sub>: Stable and Water-Soluble Analog of Iodosylbenzene // *Eur. J. Org. Chem.* 2007. 4475-4478
12. **Yusubov, M.S.**; Gilmkhanova, M.P.; Zhdankin, V.V.; Kirschning, A. *m*-Iodosylbenzoic Acid as a Convenient Recyclable Reagent for Highly Efficient RuCl<sub>3</sub>-Catalyzed Oxidation of Alcohols to Carbonyl Compounds // *Synlett*. 2007, 563-566
13. **Yusubov, M.S.**; Yusubova, R.Ya.; Chi, K-W.; Park, J.Y.; Kirschning, A. *m*-Iodosylbenzoic acid - a convenient recyclable reagent for highly efficient aromatic iodinations // *Beilstein J. Org. Chem.* 2007, 3:19.