

Lista publikacji

z dnia 31 października 2013

Publikacje w czasopismach

1. Sousa S.C.A., Bernardo J.R., Wolff M., Machura B., Fernandes A.C., 2014, **Oxo-rhenium(V) Complexes containing heterocyclic ligands as highly effective catalysts for the reduction of sulfoxides**, *Eur. J. Org. Chem.* 2014(9): 1855-1859
2. Machura B., Wolff M., Benoist E., Schachner J.A., Mösch-Zanetti N.C., Takao K., Ikeda Y., 2014, **Oxorhenium(V) complexes with 1H-benzimidazole-2-carboxylic acid – Synthesis, structural characterization and catalytic application in epoxidation reactions**, *Polyhedron* 69: 205-218
3. Bernardo J.R., Sousa S.C.A., Florindo P.R., Wolff M., Machura B., Fernandes A.C., 2013, **Direct reductive amination of aldehydes catalyzed by oxo-rhenium complexes containing heterocyclic ligands**, *Tetrahedron* 69(43): 9145-9154
4. Machura B., Wolff M., Benoist E., Schachner J.A., Mösch-Zanetti N.C., 2013, **Oxorhenium(V) complexes of quinoline or isoquinoline carboxylic acids – Synthesis, structural characterization and catalytic application in epoxidation reactions**, *Dalton Trans.* 42(24): 8827-8837
5. Wolff M., Munoz L., François A., Carrayon C., Seridi A., Saffon N., Picard C., Machura B., Benoist E., 2013, **Tricarbonylrhenium complexes from 2-pyridyl-1,2,3-triazole ligands bearing a 4-substituted phenyl arm: a combined experimental and theoretical study**, *Dalton Trans.* 42(19): 7019-7031
6. Machura B., Wolff M., Benoist E., Palion J., 2013, **Synthesis, spectroscopic characterization and X-ray crystal structures of mononuclear and binuclear oxidorhenium(V) complexes containing indazolyl moieties**, *Inorg. Chim. Acta* 404: 144-154
7. Machura B., Wolff M., Benoist E., 2013, **Synthesis and spectroscopic characterization of novel oxido-bridged dinuclear rhenium(V) complex of 2-(aminomethyl)benzimidazole. X-ray crystal structures of $[Re_2O_3Cl_4(ambi)_2] \cdot CH_3COCH_3$ and $[Re_2O_3Cl_4(ambi)_2] \cdot CH_3CN$** , *Inorg. Chem. Commun.* 29: 101-105
8. Machura B., Wolff M., Benoist E., Coulais Y., 2013, **Tricarbonyl rhenium(I) complexes of benzothiazole – Synthesis, spectroscopic characterization, X-ray crystal structure and DFT calculations**, *J. Organometal. Chem.* 724: 82-87
9. Machura B., Wolff M., Cieřlik W., Musiol R., 2013, **Novel oxorhenium(V) complexes of 8-hydroxyquinoline derivatives – Synthesis, spectroscopic characterization, X-ray crystal structures and DFT calculations**, *Polyhedron* 51: 263-274
10. Cieslik W., Musiol R., Nycz J.E., Jampilek J., Vejsova M., Wolff M., Machura B., Polanski J., 2012, **Contribution to investigation of antimicrobial activity of styrylquinolines**, *Bioorg. Med. Chem.* 20(24): 6960-6968
11. Machura B., Wolff M., Penkala M., 2012, **Synthesis, X-ray studies, spectroscopic characterization and DFT calculations of $[ReO(hmbzim)_2(py)]Cl \cdot H_2O$ and $[ReO(hpbzim)_2(Hhpbzim)]Cl$** , *Polyhedron* 44(1): 156-164
12. Machura B., Wolff M., Tabak D., Schachner J.A., Mösch-Zanetti N.C., 2012, **Oxorhenium(V) Complexes with Phenolate- and Carboxylate-based Ligands – Structure and Catalytic Epoxidation**, *Eur. J. Inorg. Chem.* 2012(23): 3764-3773
13. Machura B., Wolff M., Gryca I., Kruszynski R., 2012, **Syntheses, structures, spectroscopic properties and DFT calculations of Re(V)–benzothiazole and 2-(2-aminophenyl)benzothiazole complexes**, *Polyhedron* 40(1): 93-104
14. Machura B., Wolff M., Tabak D., Ikeda Y., Hasegawa K., 2012, **Novel trans-dioxorhenium complex with imidazo[1,2a]pyridine ligand – Synthesis, spectroscopic and electrochemical characterization, X-ray crystal structure and DFT calculations**, *Polyhedron* 39(1): 76-84
15. Machura B., Wolff M., Kowalczyk W., Musiol R., 2012, **Novel rhenium(V) complexes of 8-hydroxyquinoline derivatives – Synthesis, spectroscopic characterization, X-Ray structure and DFT calculations**, *Polyhedron* 33(1): 388-395
16. Machura B., Gryca I., Wolff M., 2012, **Novel p-tolylimido rhenium(V) complexes of imidazole-derived ligand – Synthesis, X-ray studies, spectroscopic characterization and DFT calculations**, *Polyhedron* 31(1): 128-135

17. Machura B., Wolff M., Gryca I., Palion J., Michalik K., 2011, **Novel Re(I) tricarbonyl complexes of chelating ligands with aromatic N-heterocycle ring and aliphatic amine donor - Synthesis, spectroscopic characterization, X-Ray structure and DFT calculations**, *Polyhedron* 30(13): 2275-2285.
18. Machura B., Wolff M., Jaworska M., Lodowski P., Benoist E., Carrayon C., Saffon N., Kruszynski R., Mazurak Z., 2011, **Rhenium(I) carbonyl complexes of 4,7-diphenyl-1,10-phenanthroline - spectroscopic properties, X-Ray structures, theoretical studies of ground and excited electronic states**, *J. Organometal. Chem.* 696(19): 3068-3075.
19. Machura B., Wolff M., Palion J., Kruszynski R., 2011, **Synthesis, spectroscopic characterization, X-Ray structure and DFT calculations of novel mononuclear Re(V) complex with imidazole-derived ligand**, *Inorg. Chem. Commun.* 14(9): 1358-1361
20. Machura B., Wolff M., Palion J., Świtlicka A., Nawrot I., Michalik K., 2011, **Cu(II), Ni(II), and Hg(II) thiocyanate complexes incorporating 4,5-diazafluoren-9-one: synthesis, spectroscopic characterization, X-ray studies, and magnetic properties**, *Struct. Chem.* 22(5): 1053-1064
21. Machura B., Wolff M., Gryca I., Nawrot I., Kruszynski R., 2011, **Rhenium(V) oxocomplexes incorporating 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenolate ligand - X-Ray studies, spectroscopic characterization and DFT calculations**, *Struct. Chem.* 22(4): 765-774
22. Machura B., Wolff M., Świtlicka A., Palion J., Kruszynski R., 2011, **Novel oxorhenium complex of 2-(2-pyridyl)-4-methylthiazole-5-carboxylic acid - synthesis, spectroscopic characterization, X-Ray structure and DFT calculations**, *J. Mol. Struct.* 994(1-3): 256-262
23. Machura B., Wolff M., Gryca I., 2011, **Novel p-tolylimido rhenium(V) complexes incorporating quinoline-2-carboxylate ion - Synthesis, X-ray studies, spectroscopic characterization and DFT calculations**, *Inorg. Chim. Acta* 370(1): 7-17.
24. Seridi A., Wolff M., Boulay A., Saffon N., Coulais Y., Picard C., Machura B., Benoist E., 2011, **Rhenium(I) and technetium(I) complexes of a novel pyridyltriazole-based ligand containing an arylpiperazine pharmacophore: Synthesis, crystal structures, computational studies and radiochemistry**, *Inorg. Chem. Commun.* 14(1): 238-242
25. Machura B., Wolff M., Gryca I., Mroziński J., 2011, **Two novel rhenium complexes derived from [ReO(OMe)Cl₂(dpphen)] - synthesis, crystal structure, spectroscopic and magnetic properties**, *Polyhedron* 30(2): 354-363
26. Machura B., M. Wolff, Gryca I., 2011, **Synthesis, X-Ray studies, spectroscopic characterization and DFT calculations of p-tolylimido rhenium(V) complexes bearing an imidazole-based ligand**, *Polyhedron* 30(1): 142-153
27. Machura B., Świtlicka A., Wolff M., Tabak D., Musioł R., Polański J., Kruszynski R., 2011, **Novel tricarbonyl rhenium complexes of 5,8-quinolinedione derivatives - synthesis, spectroscopic characterization, X-Ray structure and DFT calculations**, *J. Organometal. Chem.* 696(3): 731-738
28. Machura B., Wolff M., Świtlicka A., 2011, **Novel oxorhenium complex of 4,5-diaza-fluoren-9-one - synthesis, spectroscopic characterization, X-Ray structure and DFT calculations**, *Inorg. Chem. Commun.* 14(1): 17-21
29. B. Machura, M. Wolff, A. Świtlicka, I. Gryca, 2010, **p-Tolylimido rhenium(V) complexes - synthesis, X-Ray studies, spectroscopic characterization and DFT calculations**, *Polyhedron* 29(12): 2381-2392
30. Machura B., Wolff M., Świtlicka A., Kruszynski R., Mroziński J., 2010, **Synthesis, X-ray studies, spectroscopic investigation, and DFT calculations of [ReBr₃(dppt)(OPPh₃)]**, *Struct. Chem.* 21(4): 761-769
31. Machura B., Wolff M., Gryca I., 2010, **Novel rhenium(II) complexes of 2,3,5,6-tetra-(2-pyridyl)pyrazine - Synthesis, X-ray studies, spectroscopic characterization and DFT calculations**, *Inorg. Chem. Commun.* 13(8): 904-908
32. Machura B., Świtlicka A., Wolff M., Kruszynski R., 2010, **Novel rhenium oxocomplexes of indazole-3-carboxylic acid - Synthesis, X-ray studies, spectroscopic characterization and DFT calculations**, *Polyhedron* 29(9): 2061-2069
33. Machura B., Wolff M., Kusz J., 2010, **Novel rhenium oxocomplexes of 2-hydroxymethylbenzimidazole - Synthesis, X-ray studies, spectroscopic characterization and DFT calculations**, *Polyhedron* 29(6): 1619-1629
34. Machura B., Świtlicka A., Wolff M., Kusz J., Kruszynski R., 2009, **Mono- and di-nuclear oxorhenium(V) complexes of 4,7-diphenyl-1,10-phenanthroline**, *Polyhedron* 28(18): 3999-4009
35. Machura B., Świtlicka A., Wolff M., Kusz J., 2009, **Synthesis, spectroscopic characterization, X-ray structure and DFT calculations of [ReOCl₂(8-Sqn)(OPPh₃)]**, *Struct. Chem.* 20(5): 911-918

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37. Machura B., Wolff M., Świtlicka A., Kruszynski R., Kusz J., 2009, **Nucleophilic addition of water to 1-isoquinolinyl phenyl ketone. The synthesis, spectroscopic investigation, crystal and molecular structure and DFT calculations of $[ReOBr_2(iquinpk-OH)(PPh_3)]$** , *Inorg. Chem. Commun.* 12(8): 789-792
38. Machura B., Wolff M., Kruszynski R., Mroziński J., Kusz J., 2009, **Novel rhenium(III) complexes with the picolinate ligand: Synthesis, spectroscopic investigations, X-ray structures and DFT calculations for $[ReX_2(pic)(PPh_3)_2]$ complexes**, *Polyhedron* 28(12): 2377-2384
39. Machura B., Świtlicka A., Wolff M., Kusz J., Kruszynski R., 2009, **Synthesis, spectroscopic characterization, X-ray structure and DFT calculations of copper(II) complex with 2-(2'-pyridyl)benzimidazole**, *Polyhedron* 28(7): 1348-1354
40. Machura B., Wolff M., Kruszynski R., Kusz J., 2009, **Novel oxorhenium complexes with 2-(2'-hydroxy-5'-methylphenyl)benzotriazolato ligand. X-ray studies, spectroscopic characterization and DFT calculations**, *Polyhedron* 28(7): 1211-1220
41. Kruszyński R., Machura B., Wolff M., Kusz J., Mroziński J., Bieńko A., 2009, **Synthesis, crystal structure, magnetic properties and EPR studies of Cu/Hg bimetallic thiocyanato-bridged coordination polymers**, *Inorg. Chim. Acta* 362(4): 1369-1373