

Tomasz Pawlak

Lista publikacji

z dnia 31 października 2014

Publikacje w czasopismach

1. Paluch P., Pawlak T., Oszejca M., Lasocha W., Potrzebowski M. J., 2014, **Fine Refinement of Solid State Structure of Racemic Form of Phospho-Tyrosine Employing NMR Crystallography Approach**, Solid State Nuclear Magnetic Resonance, DOI: 10.1016/j.ssnmr.2014.08.002
2. Pawlak T., Potrzebowski M. J., 2014, **Fine Refinement of Solid-State Molecular Structures of Leu- and Met-Enkephalins by NMR Crystallography**, Journal of Physical Chemistry B, 118: 3298 – 3309
3. Pawlak T., Niedzielska D., Vícha J., Marek R., Pazderski L., 2014, **Dimeric Pd(II) and Pt(II) chloride organometallics with 2-phenylpyridine and their solvolysis in dimethylsulfoxide**, Journal of Organometallic Chemistry, 759: 58-66
4. Drabik E., Jeziorna A., Bienias U., Trzeciak-Karlikowska K., Pawlak T., Paluch P., Potrzebowski M. J., 2013, **Study of the Mechanism of Thermal Chemical Processes in the Crystals of YAF Tripeptides by Means of Mass Spectrometry and Solid State NMR**, Journal of Physical Chemistry B, 117: 13481 – 13489
5. Pawlak T., Paluch P., Trzeciak-Karlikowska K., Jeziorna A., Potrzebowski M. J., 2013, **Study of the thermal processes in molecular crystals of peptides by means of NMR crystallography**, CrystEngComm 15: 8680-8692
6. Paluch P., Pawlak T., Amoureux J. P., Potrzebowski M. J., 2013, **Simple and accurate determination of X–H distances under ultra-fast MAS NMR**, Journal of Magnetic Resonance 233: 56 – 63
7. Pawlak T., Jaworska M., Potrzebowski M. J., 2013, **NMR crystallography of alpha-Poly(L-actide)**, Physical Chemistry Chemical Physics 15: 3137-3145
8. Czernek J., Pawlak T., Potrzebowski M. J., Brus J., 2013, **The comparison of approaches to the solid-state NMR-based structural refinement of vitamin B1 hydrochloride and of its monohydrate for ¹³C NMR Chemical Shielding Tensors in Peptides in the Solid State**, Chemical Physics Letter 555: 135 -140
9. Niedzielska D., Pawlak T., Czubachowski T., Pazderski L., 2013, **¹H, ¹³C, and ¹⁵N NMR Studies of Au(II) and Pd(II) Chloride Complexes and Organometallics with 2- Acetylpyridine and 2-Benzoylpyridine**, Journal of Spectroscopy: 982832
10. Niedzielska D., Pawlak T., Bozejewicz M., Wojtczak A., Pazderski L., Szlyk E., 2013, **Structural and spectroscopic studies of Au(III) and Pd(II) chloride complexes and organometallics with 2-benzylpyridine**, Journal of Molecular Structure 1032: 195-202
11. Jaworska M., Pawlak T., Kruszyński R., Ćwiklińska M., Krzemiński M., 2012, **NMR Crystallography Comparative Studies of Chiral (1R,2S,3R,5R)-3-Amino-6,6- dimethylbicyclo[3.1.1]heptan-2-ol and Its p-Toluenesulfonamide Derivative**, Crystal Growth & Design 12: 5956-5965
12. Jeziorna A., Pawlak T., Trzeciak-Karlikowska K., Paluch P., Potrzebowski M. J., 2012, **Magic angle spinning NMR study of interaction of N-terminal sequence of dermorphin (Tyr-D-Ala-Phe-Gly) with phospholipids**, Biochimica et Biophysica Acta 1818: 2579 – 2587
13. Pawlak T., Trzeciak-Karlikowska K., Czernek J., Ciesielski W., Potrzebowski M. J., 2012, **Computed and Experimental Chemical Shift Parameters for Rigid and Flexible YAF Peptides in the Solid State**, Journal of Physical Chemistry B 116: 1974 – 1983
14. Czernek J., Pawlak T., Potrzebowski M. J., 2012, **Benchmarks for ¹³C NMR Chemical Shielding Tensors in Peptides in the Solid State**, Chemical Physics Letter 527: 31 -35
15. Pawlak T., Munzarova M., Pazderski L., Marek R., 2011, **Validation of relativistic DFT approaches to the calculation of NMR chemical shifts in square-planar Pt²⁺ and Au³⁺ complexes**, Journal of Chemical Theory and Computation 7: 3909–3923
16. Pawlak T., Pazderski L., Sitkowski J., Kozerski L., Szlyk E., 2011, **¹H, ¹³C, ¹⁹⁵Pt and ¹⁵N NMR coordination shifts in Fe(II), Ru(II) and Os(II) cationic complexes with 2,2':6',2''-terpyridyne**, Magnetic Resonance in Chemistry 49: 237 – 241
17. Pawlak T., Pazderski L., Sitkowski J., Kozerski L., Szlyk E., 2011, **¹H, ¹³C, ¹⁹⁵Pt and ¹⁵N NMR structural correlations in Pd(II) and Pt(II) chloride complexes with various alkyl and aryl derivatives of 2,2'-bipyridine and 1,10-phenanthroline**, Magnetic Resonance in Chemistry 49: 59 – 64

18. Pazderski L., Pawlak T., Sitkowski J., Kozerski L., Szłyk E., 2010, **¹H NMR assignment corrections and ¹H, ¹³C, ¹⁵N NMR coordination shifts structural correlations in Fe(II), Ru(II) and Os(II) cationic complexes with 2,2'-bipyridine and 1,10-phenanthroline**, *Magnetic Resonance in Chemistry* 48: 450 – 457
19. Pazderski L., Pawlak T., Sitkowski J., Kozerski L., Szłyk E., 2010, **Structural correlations for ¹H, ¹³C and ¹⁵N NMR coordination shifts in Au(III), Pd(II) and Pt(II) chloride complexes with lutidines and collidine**, *Magnetic Resonance in Chemistry* 48: 417 – 426
20. Pazderski L., Pawlak T., Sitkowski J., Kozerski L., Szłyk E., 2009, **Experimental and quantum-chemical ¹H, ¹³C, ¹⁵N and ¹⁹⁵Pt NMR studies of Au(III) and Pt(II) cyclometallated organometallics containing 2-phenylpyridine**, *Magnetic Resonance in Chemistry* 47: 932 – 941