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Lista publikacji

z dnia 31 października 2014

Artykuły w czasopismach

1. Chomicz L., Petrovici A., Archbold I., Adhikary A., Kumar A., Sevilla M. D., Rak J., 2014, **An ESR and DFT study of Hydration of the 2'-Deoxyuridine-5-yl Radical: Possible Hydroxyl Radical Intermediate**, *Chemical Communications*, DOI:10.1039/C4CC07089E.
2. Golon Ł., Chomicz L., Rak J., 2014, **Electron-induced single strand break in the nucleotide of 5- and 6-bromouridine. A DFT study**, *Chemical Physics Letters* 612: s. 289–294.
3. Chomicz L., Golon Ł., Rak J., 2014, **The radiosensitivity of 5- and 6-bromocytidine derivatives – electron induced DNA degradation**, *Physical Chemistry Chemical Physics* 16: s. 19424–19428.
4. Chomicz L., Furmanchuk A., Leszczynski J., Rak J., 2014, **Electron induced single strand break and cyclization: A DFT study on the radiosensitization mechanism of the nucleotide of 8-bromoguanine**, *Physical Chemistry Chemical Physics* 16: s. 6568–6574.
5. Wieczór M., Wityk P., Czub J., Chomicz L., Rak J., 2014, **A first-principles study of electron attachment to the fully hydrated bromonucleobases**, *Chemical Physics Letters* 595–596: s. 133–137.
6. Zarzecznańska D., Niedziałkowski P., Wcisło A., Chomicz L., Rak J., Ossowski T., 2014, **Synthesis, redox properties, and basicity of substituted 1-aminoanthraquinones: Spectroscopic, electrochemical, and computational studies in acetonitrile solutions**, *Structural Chemistry* 25: s. 625–634.
7. Chomicz L., Leszczynski J., Rak J., 2013, **Electron-induced degradation of 8-bromo-2'-deoxyadenosine 3',5'-diphosphate, a DNA radiosensitizing nucleotide**, *Journal of Physical Chemistry B* 117: s. 8681–8688.
8. Chomicz L., Zdrowowicz M., Kasprzykowski F., Rak J., Buonaugurio A., Wang Y., Bowen K. H., 2013, **How to find out whether a 5-substituted uracil could be a potential DNA radiosensitizer**, *Journal of Physical Chemistry Letters* 4: s. 2853–2857.
9. Kheir J., Chomicz L., Engle A., Rak J., Sevilla M. D., 2013, **Presolvated low energy electron attachment to peptide methyl esters in aqueous solution: C-O bond cleavage at 77 K**, *Journal of Physical Chemistry B* 117: s. 2872–2877.
10. Chomicz L., Rak J., Storoniak P., 2012, **Electron-induced elimination of the bromide anion from brominated nucleobases. A computational study**, *Journal of Physical Chemistry B* 116: s. 5612–5619.
11. Kheir J. F., Chomicz L., Rak J., Bowen K. H., Sevilla M. D., 2011, **Radicals Formed in N-Acetylproline by Electron Attachment: Electron Spin Resonance Spectroscopy and Computational Studies**, *Journal of Physical Chemistry B*: 115, s. 14846–14851.
12. Chomicz L., Rak J., Paneth P., Sevilla M. D., Ko Y. J., 2011, **Valence anions of N-acetylproline in the gas phase: Computational and anion photoelectron spectroscopic studies**, *Journal of Chemical Physics* 135: art. nr 114301.
13. Polska K., Zielonka J., Chomicz L., Czerwicka M., Stepnowski P., Guzow K., Wiczek W., Smużyńska M., Kasprzykowski F., Żylicz-Stachula A., Skowron P., Rak J., 2010, **Unexpected Photoproduct Generated via the Acetone-Sensitized Photolysis of 5-Bromo-2'-deoxyuridine in a Water/Isopropanol Solution: Experimental and Computational Studies**, *Journal of Physical Chemistry B* 114: 16902–16907.