

Научни публикации, включени в дисертационния труд:

1. I. Racheva, B. Tsyntsarski, B. Petrova, T. Budinova, N. Petrov, B. Nagel, S. Pusz, U. Szeluga, *Conversion of polyolefin wax to carbon adsorbents by thermo oxidation treatment*, **Bulgarian Chemical Communications**, **46 (2014) 129-133**.
2. I. Stoycheva, B. Tsyntsarski, B. Petrova, T. Budinova, N. Petrov, B. Nagel, U. Szeluga, *Uptake of ethyl acetate from ethyl acetate-water mixture by activated carbon from biomass and polymer wastes*, **Nanoscience and nanotechnology**, **15 (2015) 29-32**.
3. I. Stoycheva, T. Tsoncheva, B. Tsyntsarski, R. Ivanova, I. Spassova, *Porous carbons based catalysts for obtaining of hydrogen by methanol degradation*, **15th International Multidisciplinary Scientific GeoConference SGEM 2015, 18-24 June 2015, Albena, Bulgaria, Section "Renewable Energy Sources and Clean Technologies"**, pp. 393-400.
4. B. Tsyntsarski, S. Pusz, B. Kumanek, I. Stoycheva, U. Szeluga, *Porous carbon materials from polyethylene wax- production and properties*, **15th International Multidisciplinary Scientific GeoConference SGEM 2015, 18-24 June 2015, Albena, Bulgaria, Section "Micro and Nano Technologies"**, vol. I, pp. 157-164.
5. B. Tsyntsarski, I. Stoycheva, T. Tsoncheva, I. Genova, M. Dimitrov, B. Petrova, D. Paneva, Z. Cherkezova-Zheleva, T. Budinova, H. Kolev, A. Gomis- Berenguer, C.O. Ania, I. Mitov, N. Petrov, *Activated carbons from waste biomass and low*

*rank coals as catalyst supports for hydrogen production by methanol decomposition, Fuel Processing Technology, 137 (2015) 139-147.*

6. T. Tsoncheva, N. Velinov, R. Ivanova, I. Stoycheva, B. Tsyntsarski, I. Spassova, D. Paneva, G. Issa, D. Kovacheva, I. Genova, I. Mitov, N. Petrov, *Formation of catalytic active sites in iron modified activated carbons from agriculture residues, Microporous and Mesoporous Materials, 217 (2015) 87-95.*
7. T. Tsoncheva, I. Genova, I. Stoycheva, I. Spassova, R. Ivanova, B. Tsyntsarski, G. Issa, D. Kovacheva, N. Petrov, *Activated carbon from waste biomass as catalyst support: formation of active phase in copper and cobalt catalysts for methanol decomposition, Journal Porous Materials, 22 (2015) 1127-1136.*
8. I. Stoycheva, B. Tsyntsarski, B. Petrova, T. Budinova, N. Petrov, *New carbon adsorbent from polymer waste for effective removal of mercury from water, Desalination and water treatment, 57 (2016) 15435-15444.*
9. I. Stoycheva, B. Petrova, B. Tsyntsarski, T. Budinova, N. Petrov, B. Nagel, U. Szeluga, S. Pusz, S. Chajkowska, B. Trzebicka: *Removal of mercury from contaminated water by activated carbon, produced from waste coal and biomass material, Bulgarian Chemical Communications, 2016 (in press).*
10. I. Stoycheva, B. Tsyntsarski, B. Petrova, T. Budinova, N. Petrov, *Adsorption of ethyl acetate from water by nanoporous carbon prepared from waste materials, Water Air and Soil Pollution, 2016 (in press).*