

Научни публикации, включени в дисертацията

1. Tsoncheva T., **Ivanova R.**, Henych J., Dimitrov M., Kormunda M., Kovacheva D., Scotti N., Santo V.D., Štengl V., “Effect of preparation procedure on the formation of nanostructured ceria-zirconia mixed oxide catalysts for ethyl acetate oxidation: Homogeneous precipitation with urea vs template-assisted hydrothermal synthesis”, *Appl. Catal. A: General* **21** (2015) 418-432
2. Dimitrov M., **Ivanova R.**, Štengl V., Henych J., Kovacheva D., Tsoncheva T., “Optimization of CeO₂-ZrO₂ mixed oxide catalysts for ethyl acetate combustion” *Bulgarian Chem. Commun.* **47** (2015) 323–329
3. Tsoncheva T., **Ivanova R.**, Dimitrov M., Henych J., Janoš P., Hájková Z., Kovacheva D., Štengl V., “Template assisted nanosized ceria- zirconia mesoporous mixed oxides: synthesis, characterization and application for environmental protection”, *Nanoscience and Nanotechnology* (2015)
4. Tsoncheva T., Henych J., **Ivanova R.**, Kovacheva D., Štengl V., “Multi-component titanium-copper-cobalt- and niobium nanostructured oxides as catalysts for ethyl acetate oxidation”, *React. Kinet, Mech. Cat.* **116** (2015) 397-408
5. **Ivanova R.**, Dimitrov M., Kovacheva D., Tsoncheva T., “Influence of the presence/absence of bulky surfactant during the preparation of nanostructured ceria-zirconia materials on their catalytic performance in ethyl acetate total oxidation” *Bulgarian Chem. Commun.* **48** (2016)
6. **Ivanova R.**, Tsoncheva T., “Effect of silica support on the formation of catalytic sites in nanostructured Mn-Ce binary oxides” *Nanoscience and Nanotechnology* **16** (2016)
7. **Ivanova R.**, Genova I., Kovacheva D., Atanasova G., Tsoncheva T., “Effect of porous structure on the formation of active sites in manganese hosted in ordered mesoporous silica catalysts for environmental protection” *J. Porous. Mater.* **23** (2016) 1005–1013
8. Tsoncheva T., **Ivanova R.**, Dimitrov M., Paneva D., Kovacheva D., Henych J., Vomáčka P., Kormunda M., Velinov N., Mitov I., Štengl V., “Template-assisted hydrothermally synthesized iron-titanium binary oxides and their application as catalysts for ethyl acetate oxidation” *Appl. Catal. A: Gen.* **528** (2016) 24–35

9. Dimitrov M., **Ivanova R.**, Velinov N., Henych J., Slušná M., Štengl V., Mitov I., Tsoncheva T., Tolasz J., “Mesoporous TiO₂ powders as host matrices for iron nanoparticles. Effect of the preparation procedure and doping with Hf ” *Nano-Structures & Nano-Objects* **7** (2016) 56-63
10. Tsoncheva T., **Ivanova R.**, Henych J., Velinov N., Kormunda M., Paneva D., Slušná M., Mitov I., Štengl V., “Iron modified titanium–hafnium binary oxides as catalysts in total oxidation of ethyl acetate” *Catal. Commun.* **81** (2016) 14-19
11. **Ivanova, R.**, Tsoncheva. T., „Total oxidation of ethyl acetate on nanostructured manganese-cerium oxide catalysts supported on mesoporous silica“, *Bulgarian Chem. Commun.*, **49**, Special Edition B (2017) 176-182
12. **Ivanova R.**, Dimitrov M., Kovacheva D., Tsoncheva T., “Influence of the hydrothermal treatment temperature on the properties of mixed ceria-zirconia catalysts for ethyl acetate combustion”, *Bulgarian Chem. Commun.* **49** (2017) 84–90