

## **Списък на забелязани цитати по темата на дисертацията**

1. Tsoncheva, T., Ivanova, R., Henych, J., Dimitrov, M., Kormunda, M., Kovacheva, D., Scotti, N., Dal Santo, V., 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**” Applied Catalysis A: General, 502, 2015, ISSN:0926-860X, 418-432. SJR:1.213, ISI IF:3.977

Цитира се в:

1. Liu, N., Deng, L., Wang, J., He, S., Peng, J., Luo, Y., “A novel and facile method to rapidly synthesize Ce<sub>0.8</sub>Zr<sub>0.2</sub>O<sub>2</sub> nanoparticles for co preferential oxidation in H<sub>2</sub>-rich stream”, Journal of Applied Biomaterials and Functional Materials Volume 14, pp. S1-S6, **2016**
2. Mitran, G., Pavel, O.D., Mieritz, D.G., Seo, D.-K., Florea, M., “Effect of Mo/Ce ratio in Mo-Ce-Al catalysts on the hydrogen production by steam reforming of glycerol”, Catalysis Science and Technology, Volume 6, Issue 21, pp. 7902-7912, **2016**
3. Ma, J., Zuo-Jiang, S.Z., He, Y., Sun, Q., Wang, Y., Liu, W., Sun, S., Chen, K., “A facile, versatile approach to hydroxyl-anchored metal oxides with high Cr(Vi) adsorption performance in water treatment”, Royal Society Open Science 3 (11), 160524, **2016**
4. Khalil, M., El-Aryan, Y.F., Ali, I.M., “Hydrothermal Synthesis of Mn–Fe Nano Oxides and Their Composite for Removal of Zn<sup>2+</sup>, Ni<sup>2+</sup> and Co<sup>2+</sup> from Simulated Radioactive”, Journal of Inorganic and Organometallic Polymers and Materials 26, pp. 359-369, **2016**
5. Wang, S.-N., Wang, J.-L., Hua, W.-B., Zhong, L., Chen, Y.-Q. “Designed synthesis of Zr-based ceria-zirconia-neodymia composite with high thermal stability and its enhanced catalytic performance for Rh-only three-way catalyst”, Catalysis Science and Technology 6, pp. 7437-7448, **2016**
6. Gao, C., An, Q., Xiao, Z., Zhai, S., “Recyclable Cu(i)/ZrSBA-15 prepared: Via a mild vapor-reduction method for efficient thiophene removal from modeled oil”, RSC Advances 7, pp. 6605-6614, **2017**
7. Accardo, G., Spiridigliozi, L., Cioffi, R., Ferone, C., Di Bartolomeo, E., Yoon, S.P., Dell'Agli, G., “Gadolinium-doped ceria nanopowders synthesized by urea-based homogeneous co-precipitation (UBHP)”, Materials Chemistry and Physics

8. Hu, R., Li, D., Xue, H., Zhang, N., Liu, Z., Liu, Z., "Hydrogen production by sorption-enhanced steam reforming of acetic acid over Ni/Ce<sub>x</sub>Zr<sub>1-x</sub>O<sub>2</sub>-CaO catalysts", International Journal of Hydrogen Energy, 42 pp. 7786-7797, **2017**
9. Zhou, Y., Deng, J., Lan, L., Wang, J., Yuan, S., Gong, M., Chen, Y., "Remarkably promoted low-temperature reducibility and thermal stability of CeO<sub>2</sub>-ZrO<sub>2</sub>-La<sub>2</sub>O<sub>3</sub>-Nd<sub>2</sub>O<sub>3</sub> by a urea-assisted low-temperature (90°C) hydrothermal procedure", Journal of Materials Science 52 pp. 5894-5907, **2017**
10. Wang, S.-N., Sun, M.-M., Huang, M.-L., Cheng, T.-Q., Wang, J.-L., Yuan, S.-D., Chen, Y.-Q. "Enhanced thermal stability of CeO<sub>2</sub>-ZrO<sub>2</sub>-Nd<sub>2</sub>O<sub>3</sub> composite by adding surfactant and its supported Rh-only three-way catalyst", Molecular Catalysis 433 pp. 162-169, **2017**
11. Venkataswamy, P., Devaiah, D., Kuntaiah, K., Vithal, M., Reddy, B.M., "Nanostructured Titania-Supported Ceria-Samaria Solid Solutions: Structural Characterization and CO Oxidation Activity", Catalysis Letters 147 pp. 2028-2044, **2017**
12. Iglesias, I., Baronetti, G., Mariño, F., "Ceria and Ce<sub>0.95</sub>M<sub>0.05</sub>O<sub>2</sub> - δmixed oxides (M = La, Pr, Zr): Vacancies and reducibility study", Solid State Ionics 309, pp. 123-129, **2017**
13. Muñoz, M.A., Calvino, J.J., Rodríguez-Izquierdo, J.M., Blanco, G., Arias, D.C., Pérez-Omil, J.A., Hernández-Garrido, J.C., González-Leal, J.M., Cauqui, M.A., Yeste, M.P., "Highly stable ceria-zirconia-yttria supported Ni catalysts for syngas production by CO<sub>2</sub> reforming of methane", Applied Surface Science pp. 864-873, **2017**
14. Ajumobi, O, Muraza, O., Bakare, I., Al Amer, A.M., "Iron- and Cobalt-Doped Ceria-Zirconia Nanocomposites for Catalytic Cracking of Naphtha with Regenerative Capability", ENERGY & FUELS, Volume: 31 , Issue: 11 , pp. 12612-12623 , DOI: 10.1021/acs.energyfuels.7b01376, **2017**
15. Zhou, Y., Deng, J., Xiong, L., Wang, J., Yuan, S., Zhang, H., Chen, Y., "Synthesis and study of nanostructured Ce-Zr-La-RE-O (RE = Y, Nd and Pr) quaternary solid solutions and their supported three-way catalysts", MATERIALS & DESIGN, Volume: 130, pp. 149-156, DOI: 10.1016/j.matdes.2017.05.059, **2017**
16. Hou, Z., Feng, J., Lin, T., Zhang, H., Zhou, X., Chen, Y., "The performance of manganese-based catalysts with Ce<sub>0.65</sub>Zr<sub>0.35</sub>O<sub>2</sub> as support for catalytic oxidation of toluene", Applied Surface Science (2018) 434, pp. 82-90, **2018**

17. Ajumobi, O.O., Muraza, O., Kondoh, H., Hasegawa, N., Nakasaka, Y., Yoshikawa, T., Al Amer, A.M., Masuda, T., “Upgrading oil sand bitumen under superheated steam over ceria-based nanocomposite catalysts”, Applied Energy 218, pp. 1-9, **2018**
2. Tsoncheva, T., Ivanova, R., Henych, J., Velinov, N., Kormunda, M., Dimitrov, M., Paneva, D., Slušná, M., Mitov, I., Štengl, V., “**Iron modified titanium-hafnium binary oxides as catalysts in total oxidation of ethyl acetate**”. Catalysis Communications, 81, Elsevier B.V., 2016, ISSN:1566-7367, DOI:<https://doi.org/10.1016/j.catcom.2016.03.014>, 14-19. SJR:0.91, ISI IF:3.507

Ijumupa ce ε:

1. Li, M., Shi, H., Chen, X., Fang, S., Han, G., Zhao, C., Zhang, P., Wang, B., Cao, X., Wang, D., Yu, G., “The effect of HfO<sub>2</sub> on the magnetic anisotropy, electrical structure and microstructure of CoFeB/MgO films, Journal of Alloys and Compounds, 725 pp. 425-432, **2017**
  2. Pan, H., Jian, Y., Chen, C., He, C., Hao, Z., Shen, Z., Liu, H., “Sphere-Shaped Mn<sub>3</sub>O<sub>4</sub> Catalyst with Remarkable Low-Temperature Activity for Methyl-Ethyl-Ketone Combustion”, Environmental Science and Technology, 51 pp. 6288-6297, **2017**
  3. Yu, H., Zhong, S.; Zhu, B.; Huang, W., Zhang, S., “Synthesis and CO Oxidation Activity of 1D Mixed Binary Oxide CeO<sub>2</sub>-LaO&ITx&IT Supported Gold Catalysts”, NANOSCALE RESEARCH LETTERS Volume: 12 , Article Number: 579 , DOI: 10.1186/s11671-017-2352-x, **2017**
  4. Li, X., Zhu, K., Pang, J., Tian, M., Liu, J., Rykov, A.I., Zheng, M., Wang, X., Zhu, X., Huang, Y., Liu, B., Wang, J., Yang, W., Zhang, T., “Unique role of Mössbauer spectroscopy in assessing structural features of heterogeneous catalysts”, Applied Catalysis B: Environmental 224, pp. 518-532, **2018**
3. Dimitrov, M., Ivanova, R., Velinov, N., Henych, J., Slušná, M., Štengl, V., Mitov, I., Tsoncheva, T.. “**Mesoporous TiO<sub>2</sub> powders as host matrices for iron nanoparticles. Effect of the preparation procedure and doping with Hf**”. Nano-Structures and Nano-Objects, 7, 2016, ISSN:2352-507X, 56-63. SJR:0.232

Ijumupa ce ε:

1. Pasikhani, J.V., Gilani, N., Pirbazari, A.E., “The effect of the anodization voltage on the geometrical characteristics and photocatalytic activity of TiO<sub>2</sub> nanotube arrays, Nano-Structures & Nano-Objects, Volume 8, pp. 7–14, **2016**

2. Martins, R., Gonçalves, R., Costa, C.M., Ferdov, S., Lanceros-Méndez, S., "Mild hydrothermal synthesis and crystal morphology control of LiFePO<sub>4</sub> by lithium nitrate", *Nano-Structures and Nano-Objects*, 11 pp. 82-87, **2017**
3. Nair, R.V., Gummuri, V.S., Neerthika, J., Vijayan, C. "Efficient charge carrier separation and enhanced UV-visible photocatalytic activity in macroporous TiO<sub>2</sub> decorated with V<sub>2</sub>O<sub>5</sub>/Ag nanostructures" *Nano-Structures and Nano-Objects* 13, pp. 67-73, **2018**
4. Akbari, A., Amini, M., Tarassoli, A., Eftekhari-Sis, B., Ghasemian, N., Jabbari, E., "Transition metal oxide nanoparticles as efficient catalysts in oxidation reactions", *Nano-Structures and Nano-Objects* 14, pp. 19-48, **2018**
5. Liu, Y., Luo, D., Shi, K., Michaud, X., Zhitomirsky, I., "Asymmetric supercapacitor based on MnO<sub>2</sub> and Fe<sub>2</sub>O<sub>3</sub> nanotube active materials and graphene current collectors", *Nano-Structures and Nano-Objects* 15, pp. 98-106, **2018**