

**Списък на научните публикации,
включени в конкурса**

Общ брой на статиите в конкурса: 36

От тях в списания с импакт фактор: 33

h-index = 15 (Scopus)

Сумарен импакт фактор: 93.34

1. A. Szegedi, M. Popova, Z. Cherkezova-Zheleva, A. Dimitrova, I. Mitov, Effect of the pretreatment conditions on the physico-chemical and catalytic properties of cobalt and iron containing TiMCM-41 materials, **Microporous and Mesoporous Materials**, **136 (2010) 106; IF=3.38**
2. T. Tsoncheva, E. Manova, N. Velinov, D. Paneva, M. Popova, B. Kunev, K. Tenchev, I. Mitov, Thermally synthesized nanosized copper ferrites as catalysts for environment protection, **Catalysis Communications**, **12 (2010) 105; IF=2.86**
3. A. Szegedi, M. Popova, I. Goshev, J. Mihály, Effect of amine functionalization of spherical MCM-41 and SBA-15 on controlled drug release, **Journal of Solid State Chemistry**, **184 (2011) 1201; IF=2.22**
4. E. Manova, T. Tsoncheva, D. Paneva, M. Popova, N. Velinov, B. Kunev, K. Tenchev, I. Mitov, Nanosized copper ferrite materials: Mechanochemical synthesis and characterization, **Journal of Solid State Chemistry**, **184 (2011) 1153; IF=2.22**
5. M. Popova, Á. Szegedi, K. Lazar, A. Dimitrova, Dehydrogenation of cyclohexanol on Fe,Ti-MCM-41 mesoporous materials, **Catalysis Letters**, **141(9) (2011) 1288; IF=1.31**
6. Á. Szegedi, M. Popova, K. Lazar, Influence of the acid/base and redox properties of catalysts in gas-phase dehydration-Dehydrogenation of cyclohexanol on Fe,Ti-MCM-41 mesoporous materials, **Reaction Kinetics, Mechanism and Catalysis**, **104(2) (2011) 291 ; IF=1.04**
7. T. Tsoncheva, M. Popova, V. dal Santo, M. Dimitrov, L. Mitsova “Nanosized copper oxide supported on mesoporous silicas as catalysts for alcohols dehydrogenation”, in **Nanoscience & Nanotechnology**, **11 (2011) 165.**

8. M. Popova, M. Dimitrov, V. Dal Santo, N. Ravasio, N. Scotti, Dehydrogenation of cyclohexanol on copper containing catalysts: the role of the support and the preparation method, **Catalysis Communications**, **17** (2012) **150**; **IF=2.92**
9. M. Popova, Á. Szegedi, K. Lázár and Z. Károly, The physico-chemical and catalytic properties of cobalt ferrite-containing MCM-41 and SBA-15 materials, **Microporous and Mesoporous Materials**, **151** (2012) **180**; **IF=3.17**
10. A. Szegedi, M. Popova, I Goshev, Controlled drug release on amine functionalized spherical MCM-41, **Journal of Solid State Chemistry**, **194** (2012) **257**; **IF=2.11**
11. M. D. Popova, Á. Szegedi, I. N. Kolev, J. Mihály, B. S. Tzankov, K. P. Yoncheva, N. G. Lambov, Carboxylic Modified Spherical Mesoporous Silicas as Drug Delivery Carriers, **International Journal of Pharmaceutics**, **436** (2012) **778**; **IF=3.49**
12. T. Tsoncheva, G. Issa, T. Blasco, M. Dimitrov, M. Popova, S. Hernández, D. Kovacheva, G. Atanasova, J. M. López Nieto, Catalytic VOCs elimination over copper and cerium oxide modified mesoporous SBA-15 silica, **Applied Catalysis A**, **453** (26) (2013) **1**; **IF=3.77**
13. M. Popova, A. Ristić, K. Lazar, D. Maučec, M. Vassileva, N. Novak Tušar Iron-Functionalized Silica Nanoparticles as a Highly Efficient Adsorbent and Catalyst for Toluene Oxidation in Gas-Phase, **ChemCatChem**, **5**(4) (2013) **986**; **IF=4.27**
14. B. Tzankov, K. Yoncheva, M. Popova, A. Szegedi, G. Momekov, J. Mihály, N. Lambov, Indometacin loading and in vitro release properties from novel carbopol coated spherical mesoporous silica nanoparticles, **Microporous and Mesoporous Materials**, **171**(1) (2013) **131**; **IF=3.27**
15. Á. Szegedi, M. Popova, K. Lázár E. Drotára, Impact of silica structure of copper and iron-containing SBA-15 and SBA-16 materials on toluene oxidation, **Microporous and Mesoporous Materials**, **177** (2013) **97**; **IF=3.27**
16. M. Popova, A. Ristic, M. Mazaj, D. Maučec, M. Dimitrov, N. Novak Tušar, Autoreduction of copper in FeKIL-2 silicas on the catalytic activity in toluene oxidation, **ChemCatChem**, **6**(1) (2014) **271**; **IF=4.72**
17. K. Yoncheva, M. Popova, A. Szegedi, J. Mihaly, B. Tzankov, N. Lambov, S. Konstantinov, V. Tzankova, F. Pessina, M. Valoti, Functionalized mesoporous silica nanoparticles for oral delivery of budesonide, **Journal of Solid State Chemistry**, **211** (2014) **154**; **IF=2.26**

18. M. Popova, A. Ristić, V. Mavrodinova, D. Maučec, L. Mindizova, N. Novak Tušar, Design of Cobalt Functionalized Silica with Interparticle Mesoporosity as a Promising Catalyst for VOCs Decomposition, **Catalysis Letters**, **144(6) (2014) 1096; IF=2.38**
19. Á. Szegedi, M. Popova, J. Valyon, A. Guarnaccio, A. De Stefanis, A. De Bonis, S. Orlando, M. Sansone, R. Teghil, A. Santagata, Comparison of silver nanoparticles confined in nanoporous silica prepared by chemical synthesis and by ultra-short pulsed laser ablation in liquid, **Applied Physics A**, (2014) **1; IF=1.58**
20. M. Rangus, M. Mazaj, G. Dražić, M. Popova, N. Novak Tušar, Active Iron Sites of Disordered Mesoporous Silica Catalyst FeKIL-2 in the Oxidation of Volatile Organic Compounds (VOC), **Materials**, **7 (2014) 4243; IF=2.78**
21. M. Popova, A. Szegedi, V. Mavrodinova, N. Novak Tušar, J. Mihály, S. Klébert, K. Yoncheva, Preparation of resveratrol-loaded nanoporous silica materials with different structures, **Journal of Solid State Chemistry**, **219 (2014) 37; IF=2.26**
22. M. Popova, Á. Szegedi, A. Ristić, E. Drotar, N. Novak Tušar, Glycerol acetylation on mesoporous KIL-2 supported sulphated zirconia catalysts, **Catalysis Science & Technology**, **4(11) (2014) 3993; IF=5.00**
23. M. Popova, K. Yoncheva, A. Szegedi, J. Mihály, S. Klébert, N. Benbassat, V. Mavrodinova, Resveratrol loading on mesoporous silica and zeolite carriers by solid state method, **Bulgarian Chemical Communications**, **46 (2014) 117; IF=0.24**
24. A. Szegedi, M. Popova, K. Yoncheva, J. Makk, J. Mihály, P. Shestakova, Silver and sulfadiazine loaded nanostructured silica materials as potential replacement of silver sulfadiazine, **Journal of Materials Chemistry B**, **2 (2014) 6283; IF=4.87**
25. M. Popova, A. Szegedi, K. Yoncheva, S. Konstantinov, G. P. Petrova, H. A. Aleksandrov, G. N. Vayssilov, P. Shestakova, New method for preparation of delivery systems of poorly soluble drugs on the basis of functionalized mesoporous MCM-41, **Microporous and Mesoporous Materials**, **198 (2014) 247; IF=3.84**
26. V. Mavrodinova, M. Popova, K. Yoncheva, J. Mihály, Á. Szegedi, Solid-state encapsulation of Ag and sulfadiazine on zeolite Y carrier, **Journal of Colloid and Interface Science**, **458 (2015) 32; IF=3.91**

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28. I. Trendafilova, A. Szegedi, K. Yoncheva, J. Mihály, V. Mavrodinova, M. Popova, Preparation of mesalazine delivery systems based on mesoporous amino-functionalized SBA-16 silica, **Nanoscience and Nanotechnology**, (E. Balabanova, E. Mileva Eds.), **Prof. M. Drinov Acad. Publ. House, Sofia**, **15(2)** (2015) **36**.
29. C. Gorinova, V. Tzankova, B. Tzankov, M. Popova, A. Szegedi, M. Kondeva-Burdina, K. Yoncheva, Cytotoxicity evaluation of mesoporous silica nanoparticles MCM-41 loaded with sulfadiazine on HEP G2 cells in vitro, **PHARMACIA**, **62(4)** (2015) **16**.
30. K. Yoncheva, B. Tzankov, M. Popova, V. Petrova, N. Lambov, Evaluation of Stability of Mesoporous Silica Nanoparticles and Their Further Formulation in Tablet Form, **Journal of Dispersion Science and Technology**, **37(1)** (2016) **113**; **IF=1.17**
31. I. Trendafilova, Á. Szegedi, K. Yoncheva, P. Shestakova, J. Mihály, A. Ristić, S. Konstantinov, M. Popova, pH dependent delivery of mesalazine from polymer coated and drug-loaded SBA-16 systems, **European Journal of Pharmaceutical Sciences**, **81** (2016) **75**; **IF=3.77**
32. M. Popova, I. Trendafilova, A. Szegedi, J. Mihály, P. Nemeth, S. G. Marinova, H. A. Aleksandrov, G. N. Vayssilov, Experimental and theoretical study of quercetin complexes formed on pure silica and Zn-modified mesoporous MCM-41 and SBA-16 materials, **Microporous and Mesoporous Materials**, **228** (2016) **256**; **IF=3.45**
33. M. Popova, A. Szegedi, H. Lazarova, A. Ristić, Y. Kalvachev, G. Atanasova, N. Wilde, A. N. N. Tušar, R. Gläser, Synthesis of biomass derived levulinate esters on novel sulfated Zr/KIL-2 composite catalysts, **Microporous and Mesoporous Materials**, **235** (2016) **50**; **IF=3.45**
34. M. Popova, Á. Szegedi, H. Lazarova, M. Dimitrov, Y. Kalvachev, G. Atanasova, A. Ristić, N. Wilde, R. Gläser, Influence of the preparation method of sulfated zirconia nanoparticles for levulinic acid esterification, **Reaction Kinetics, Mechanisms and Catalysis**, (2016) 1-13; DOI: 10.1007/s11144-016; **IF=1.40**

35. T. Todorova, Y. Kalvachev, H. Lazarova, M. Popova, Catalytic Activity of Modified Mordenite in the Reaction of M-Xylene Transformation, **Comptes rendus de l'Academie bulgare des Sciences**, **69(10) (2016) 1283; IF=0.23**
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