

5.Списък, съдържащ обективно проверима информация относно публикациите на кандидата участващи в конкурса в научни списания и книги, реферирани в SCOPUS или WoS.

1. Andreeva, D., Kantcheva, M., **Ivanov, I.**, Ilieva, L., Sobczak, J.W., Lisowski, W.. Gold supported on ceria doped by Me³⁺ (Me = Al and Sm) for water gas shift reaction: Influence of dopant and preparation method. Catalysis Today, 158, 1-2, Elsevier B.V., 2010, ISSN:0920-5861, DOI:10.1016/j.cattod.2010.05.030, 69-77. SJR:1.213, ISI IF:3.893 **Q4 (Scopus)** , Цитати: 13, Линк: [Scopus - Document details - Gold supported on ceria doped by Me³⁺ \(Me = Al and Sm\) for water gas shift reaction: Influence of dopant and preparation method](#)
2. Ilieva, L., Pantaleo, G., **Ivanov, I.**, Maximova, A., Zanella, R., Kaszkur, Z., Venezia, A.M., Andreeva, D.. Preferential oxidation of CO in H₂ rich stream (PROX) over gold catalysts supported on doped ceria: Effect of preparation method and nature of dopant. Catalysis Today, 158, 1-2, Elsevier B.V., 2010, ISSN:0920-5861, DOI:10.1016/j.cattod.2010.06.017, 44-55. SJR:1.213, ISI IF:3.893 **Q4 (Web of Science)** , Цитати: 30, Линк: [Scopus - Document details - Preferential oxidation of CO in H₂ rich stream \(PROX\) over gold catalysts supported on doped ceria: Effect of preparation method and nature of dopant](#)
3. Ilieva L., Pantaleo G., **Ivanov I.**, Zanella R., Sobczak J.W., Lisowski W., Venezia A.M., Andreeva A.. Preferential oxidation of CO in H₂ rich stream (PROX) over gold catalysts supported on doped ceria: Effect of water and CO₂. Catalysis Today, 175, 1, Elsevier B.V., 2011, ISSN:0920-5861, DOI:10.1016/j.cattod.2011.05.041, 411-419. SJR:1.213, ISI IF:3.893 **Q4 (Web of Science)** , Цитати: 31, Линк: [Scopus - Document details - Preferential oxidation of CO in H₂ rich stream \(PROX\) over gold catalysts supported on doped ceria: Effect of water and CO₂](#)
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5. **Ivanov, I.**, Petrova, P., Georgiev, V., Batakliiev, T., Karakirova, Y., Serga, V., Kulikova, L., Eliyas, A., Rakovsky, S.. Comparative Study of Ceria Supported Nano-

sized Platinum Catalysts Synthesized by Extractive-Pyrolytic Method for Low-Temperature WGS Reaction. *Catalysis Letters*, 143, 8, Springer Science+Business Media New York 2013, 2013, ISSN:1011-372X, DOI:10.1007/s10562-013-1078-3, 942-949. SJR:0.823, ISI IF:2.307 **Q4 (Scopus)** , Цитати: 9, Линк: [Scopus - Document details - Comparative study of ceria supported nano-sized platinum catalysts synthesized by extractive-pyrolytic method for Low-Temperature WGS reaction](#)

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7. Reina, T.R., Ivanova, S., Idakiev, V., Delgado, J.J., **Ivanov, I.**, Tabakova, T., Centeno, M.A., Odriozola, J.A.. Impact of Ce-Fe synergism on the catalytic behaviour of Au/CeO₂-FeO_x/Al₂O₃ for pure H₂ production. *Catalysis Science and Technology*, 3, 3, 2013, ISSN:20444753, DOI:10.1039/c2cy20537h, 779-787. ISI IF:4.76 **Q1, не оглавява ранглистата (Web of Science)** , Цитати: 15, Линк: [Scopus - Document details - Impact of Ce-Fe synergism on the catalytic behaviour of Au/CeO₂-FeO_x/Al₂O₃ for pure H₂ production](#)
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10. Velinov, N., Petrova, T., **Ivanov, I.**, Tabakova, T., Idakiev, V., Mitov, I.. Influence of gold presence and thermal treatment on recrystallization of copper-manganese ferrite catalysts. *Hyperfine Interactions*, 238, 72, 2017, ISSN:0304-3843, 1-9. SJR:0.368, ISI

IF:0.209 **Q4 (Scopus)** , Цитати: 0, Линк: [Scopus - Document details - Influence of gold presence and thermal treatment on recrystallization of copper-manganese ferrite catalysts](#)

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13. Munteanu, G., Petrova, P., **Ivanov, I.**, Liotta, L.F., Kaszkur, Z., Tabakova, T., Ilieva, L. Temperature-programmed reduction of lightly yttrium-doped Au/CeO₂ catalysts: Correlation between oxygen mobility and WGS activity. Journal of Thermal Analysis and Calorimetry, 131, Springer, 2018, ISSN:1388-6150 (Print) 1588-2926 (Online), DOI:10.1007/s10973-017-6475-1, 145-154. ISI IF:1.953 **Q2 (Web of Science)** , Цитати: 11, Линк: [Scopus - Document details - Temperature-programmed reduction of lightly yttrium-doped Au/CeO₂ catalysts: Correlation between oxygen mobility and WGS activity](#)
14. Santos, J. L., Reina, T. R., **Ivanov, I.**, Penkova, A., Ivanova, S., Tabakova, T., Centeno, M. A., Idakiev, V., Odriozola, J. A.. Multicomponent Au/Cu-ZnO-Al₂O₃ catalysts: Robust materials for clean hydrogen production. Applied Catalysis A, General, 558, Elsevier, 2018, ISSN:0926-860X, DOI:10.1016/j.apcata.2018.04.002, 91-98. ISI IF:4.339 **Q1, не оглавява ранглистата (Web of Science)** , Цитати: 11, Линк: [Scopus - Document details - Multicomponent Au/Cu-ZnO-Al₂O₃ catalysts: Robust materials for clean hydrogen production](#)
15. Tabakova, T., Ilieva, L., **Ivanov, I.**, Manzoli, M., Zanella, R., Petrova, P., Kaszkur, Z.. Structure-activity relationship in water-gas shift reaction over gold catalysts supported on Y-doped ceria. Journal of Rare Earths, 37, 4, Elsevier, 2019, ISSN:1002-0721, DOI:10.1016/j.jre.2018.07.008, 383-392. ISI IF:2.524 **Q2 (Scopus)** , Цитати: 18, Линк: [Scopus - Document details - Structure-activity relationship in water-gas shift reaction over gold catalysts supported on Y-doped ceria](#)
16. Tabakova, T., **Ivanov, I.**, Zanella, R., Karakirova, Y., Sobczak, J. W., Lisowski, W., Kaszkur, Z., Ilieva, L.. Unraveling the effect of alumina-supported Y-doped ceria

composition and method of preparation on the WGS activity of gold catalysts. International Journal of Hydrogen Energy, 45, 49, Elsevier, 2020, DOI:10.1016/j.ijhydene.2019.12.199, 26238-26253. JCR-IF (Web of Science):4.939 **Q1, не оглавява ранглистата (Scopus)** , Цитати: 2, Линк: [Scopus - Document details - Unraveling the effect of alumina-supported Y- doped ceria composition and method of preparation on the WGS activity of gold catalysts](#)

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