XX a: Всички публикации - публикувани

- **Звено: (ИК) Институт по катализ**
- **Тип на публикацията**:
  Научна монография
  Глава от научна монография
  Студия в научно списание
  Статия в научно списание
  Статия в сборник на научен форум
  Студия в тематичен сборник
  Статия в тематичен сборник
  Научно съобщение
- **Година на публикуване**: 2022 ÷ 2022
- **Тип записи**: Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	**Cherkezova-Zheleva, Z.**, **Paneva, D.**, **Encheva, E.**, Tsvetkov, M., Krstić, J., Grilli, M. L.. Application of mechanochemically treated waste materials for water remediation. Physica Status Solidi A, 219, 15, WILEY-V C H VERLAG GMBH, 2022, DOI:https://doi.org/10.1002/pssa.202100515, Art2100515. SJR (Scopus):0.53, JCR-IF (Web of Science):1.981 **Q2 (Scopus)** Линк	1.000	50.00
2	**Ilieva, L.**, **Ivanov, I.**, Sobczak, J.W., Lisowski, W., Karashanova, D., Kaszkur, Z., **Petrova, P.**, **Tabakova, T.**. Effect of support preparation method on water-gas shift activity of copper-based catalysts. International Journal of Hydrogen Energy, 47, (97), Elsevier, 2022, ISSN:0360-3199, 41268-41278. SJR (Scopus):7.139, JCR-IF (Web of Science):7.139 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	50.00
3	**Ilieva, L.**, **Petrova, P.**, **Anchina, M.**, Avdeev, G., **Tabakova, T.**. Complete benzene oxidation over gold catalysts on mechanochemically prepared Co3O4-CeO2 supports. Journal of Chemical Technology and Metallurgy, 5, 57, 2022, ISSN:1314-7471, 901-909. SJR (Scopus):0.253 **Q3 (Scopus)** Линк	1.000	80.00
4	**Ilieva, L.**, Dimitrov, D., Kolentsova, E., Venezia, A.M., Karashanova, D., Avdeev, G., **Petrova, P.**, State, R., **Tabakova, T.**. Gold-Based Catalysts for Complete Formaldehyde Oxidation: Insights into the Role of Support Composition. Catalysts, 12, 7, Multidisciplinary Digital Publishing Institute (MDPI), 2022, ISSN:20734344, 705-705. SJR (Scopus):0.73, JCR-IF (Web of Science):4.501 **Q2 (Scopus)** Линк	1.000	33.33
5	**Karakirova, Y.**, **Mladenova, R.**. An EPR study of gamma irradiated mixed materials based on sucrose for dosimetric purposes. Radiation Physics and Chemistry, 197, ELSEVIER, 2022, ISSN:0969806X, DOI:10.1016/j.radphyschem.2022.110218, 110218. SJR (Scopus):0.524, JCR-IF (Web of Science):2.776 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	100.00
6	**Maria K Koleva**. Is Evolution a Causal, Yet Not-Predetermined Process? !. Journal of Modern Physics, 13, 5, SCIRP, 2022, ISSN:ISSN Online: 2153-120X ISSN Print: 2153-1196, DOI:10.4236/jmp.2022.135040, 707-721 **Международно академично издателство (Друга база (не влиза в К2))** Линк	1.000	100.00
7	**Mladenova, R.B.**, **Aleksieva, K.I.**, Solakov, N.Y., Loginovska, K.K.. Effects of gamma irradiation on free radical components, phenolic content and antioxidant activity of beebread. Comptes rendus de l'Académie bulgare des Sciences, 75, 5, Bulgarian Academy of Sciences, 2022, ISSN:13101331, DOI:10.7546/CRABS.2022.05.06, 672-679. SJR (Scopus):0.194, JCR-IF (Web of Science):0.378 **Q3 (Scopus)** Линк	1.000	50.00
8	**Shopska, M.**, Caballero, A., **Todorova, S.**, **Aleksieva, K.**, **Tenchev, K.**, **Kolev, H.**, Fabian, M., **Kadinov, G.**. Comparative investigation of (10%Co+0.5%Pd)/TiO2(Al2O3) catalysts in CO hydrogenation at low and high pressure. Chem. Proc., 6, 1, MDPI, 2022, ISSN:2673-4583, DOI:10.3390/ECCS2021-11105, Art. 11 **Международно академично издателство** Линк	1.000	75.00
9	**Shopska, M.**, Caballero, A., Platero, F., **Todorova, S.**, **Tenchev, K.**, Fabian, M., **Aleksieva, K.**, **Kolev, H.**, **Kadinov, G.**. Research on properties and catalytic behaviour in CO hydrogenation at atmospheric and high pressure of bimetallic systems (10%Co + 0.5%Pd)/TiO2 (Al2O3). Reaction Kinetics, Mechanisms and Catalysis, 135, Springer, 2022, ISSN:18785190, DOI:10.1007/s11144-022-02194-x, 589-618. SJR (Scopus):0.34, JCR-IF (Web of Science):1.843 **Q3 (Scopus)** Линк	1.000	66.67
10	**Todorova, S.**, **Kolev, H.**, **Karakirova, Y.**, **Filkova, D.**, **Grahovski, B.**, **Aleksieva, K.**, Holgado, J. P., **Kadinov, G.**, Caballero, A.. Preferential CO oxidation in hydrogen-rich gases over Ag catalysts supported on different supports. Reaction Kinetics, Mechanisms and Catalysis, 135, 3, SPRINGER, 2022, ISSN:1878-5190, DOI:10.1007/s11144-022-02158-1, 1405-1422. SJR (Scopus):0.34, JCR-IF (Web of Science):1.843 **Q3 (Scopus)** Линк	1.000	77.78

11	**Todorova, S.**, Naydenov, A., **Shopska, M.**, **Kolev, H.**, **Yordanova, I.**, **Tenchev, K.**. Pt-Modified Nano-Sized Mn2O3 Oxide Prepared from the Mn3O4 Phase with Tetragonal Symmetry for CO Oxidation. Symmetry, 14, 12, MDPI, 2022, ISSN:2073-8994, DOI:10.3390/sym14122543, Art. 2543. SJR (Scopus):0.54, JCR-IF (Web of Science):2.94 **Q2 (Scopus)** Линк	1.000	83.33
12	**Todorova, S.**, Naydenov, A., Larin, A. V.. Co and Ni MODIFIED Pd-Al2O3 CATALYSTS FOR METHANE COMBUSTION-A SHORT REVIEW. PHYSICAL CHEMISTRY 2022, 16th International Conference on Fundamental and Applied Aspects of Physical Chemistry (Proceedings), Volume I, Society of Physical Chemists of Serbia, 2022, ISBN:978-86-82475-41-5, 27-34 **Друго**	1.000	33.33
13	**Todorova, S.**, Naydenov, A., Velinova, R., **Kolev, H.**, Larin, A., Karashanova, D.. Catalytic combustion of methane over Ni modified Pd/Al2O3 catalysts. Materials Today: Proceedings, 61, 4, Elsevier Ltd, 2022, ISSN:2214-7853, DOI:10.1016/j.matpr.2022.01.267, 1212-1216. SJR (Scopus):0.36 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	33.33
14	**Младенова, Р.**. Изследване на БАН доказва влиянието на гама облъчването върху антиоксидантната активност на пчелни продукти. ЛИК, Българска Телеграфна Агенция, 2022 **Друго** Линк	1.000	100.00
15	Brunckova, H., Mudra, E., Streckova, M., Medvecky, L., Sopcak, T., Shepa, I., Kovalcikova, A., Lisnichuk, M., **Kolev, H.**. Transformation of Amorphous Terbium Metal–Organic Framework on Terbium Oxide TbOx(111) Thin Film on Pt(111) Substrate: Structure of TbxOy Film. Nanomaterials, 12, 16, MDPI, 2022, ISSN:2079-4991, DOI:10.3390/nano12162817, Art. 2817. SJR (Scopus):0.84, JCR-IF (Web of Science):5.719 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	11.11
16	Brunckova, H., Rocha, L.A., Nassar, E.J., Moscardini, S.B., **Kolev, H.**. Luminescence properties of neodymium, samarium, and europium niobate and tantalate thin films. Luminescence, 37, 4, John Wiley & Sons Ltd, 2022, ISSN:1522-7243, DOI:10.1002/bio.4205, 642-655. SJR (Scopus):0.391, JCR-IF (Web of Science):2.464 **Q2 (Web of Science)** Линк	1.000	20.00
17	C. Hamciuc, T. Vlad-Bubulac, M. Bercea, D. Suflet, F. Doroftei, C. Rîmbu, A. Enache, **Yu. Kalvachev**, **T. Todorova**, M. Butnaru, D. Serbezeanu. Electrospun Copoly(ether imide) Nanofibers Doped with Silver-Loaded Zeolite as Materials for Biomedical Applications. ACS Applied Polymer Materials, 4, 8, American Chemical Society, 2022, ISSN:26376105, DOI:https://doi.org/10.1021/acsapm.2c00892, 6080-6091. SJR (Scopus):0.9, JCR-IF (Web of Science):4.855 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	18.18
18	Chihaia, V., **Alexiev, V.**, AlMatrouk, H. S.. Assessment of the Heat Capacity by Thermodynamic Approach Based on Density Functional Theory Calculations. Applications of Calorimetry, Jose Luis Rivera Armenta and Cynthia Graciela Flores-Hernández, IntechOpen, 2022, ISBN:978-1-80355-322-1, DOI:10.5772/intechopen.104083, 25, 1-25 **Друго** Линк	1.000	33.33
19	Dimitrov, O., Stambolova, I., Babeva, T., Lazarova, K., Avdeev, G., Shipochka, M., **Mladenova, R.**, Simeonova, S.. High intensity orange-red emission of chemically deposited Sm3+-doped ZrO2 thin films - Beneficial effects of host and dopant. Journal of Materials Research and Technology, 18, 2022, DOI:https://doi.org/10.1016/j.jmrt.2022.04.013, 3026-3034. SJR (Scopus):0.964, JCR-IF (Web of Science):6.09 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	12.50
20	Dutkova, E., Baláž, M., Daneu, N., Tatykayev, B., **Karakirova, Y.**, **Velinov, N.**, **Kostova, N.**, Briančin, J., Baláž, P.. Properties of CuFeS2/TiO2 Nanocomposite Prepared by Mechanochemical Synthesis. Materials, 15, 19, MDPI, 2022, ISSN:19961944, DOI:10.3390/ma15196913, Art. 6913. SJR (Scopus):0.6, JCR-IF (Web of Science):3.748 **Q2 (Scopus)** Линк	1.000	33.33
21	Kaluza, L., **Palcheva, R.**, Jiratova, K., **Tyuliev, G.**, Gulkova, D., Dimitrov, L., Avdeev, G.. Characterization and HDS activity of Mo and NiMo sulfided catalyst prepared by thioglycolic acid assisted hydrothermal deposition method. Journal of Alloys and Compounds, 903, Elsevier, 2022, DOI:https://doi.org/10.1016/j.jallcom.2022.163925, Art.163925. SJR (Scopus):1.03, JCR-IF (Web of Science):5.316 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	28.57
22	Kaluza, L., Soukup, K., Koštejn, M., Cejka, J., Karban, J., **Palcheva, R.**, Laube, M., Gulková, D.. On Stability of High-Surface-Area Al2O3, TiO2, SiO2-Al2O3, and Activated Carbon Supports during Preparation of NiMo Sulfide Catalysts for Parallel Deoxygenation of Octanoic Acid and Hydrodesulfurization of 1-Benzothiophene. Catalysts, 12, 12, MDPI, 2022, DOI:https://doi.org/10.3390/catal12121559, Art. 1559. SJR (Scopus):0.73, JCR-IF (Web of Science):4.501 **Q2 (Web of Science)** Линк	1.000	12.50
23	Kurutos, A., **Minkovska, S.**, Nedialkov, P. T., Fedorov, Y. V.. Facile and environmentally benign synthetic approach to the selective mono-chlorination and mono-bromination of benzo[d]OXAZOL-2(3H)-ONES. Journal of Heterocyclic Chemistry, 59, 19, Wiley, 2022, ISSN:1943-5193, DOI:10.1002/jhet.4522, 1824-1831. SJR (Scopus):0.33, JCR-IF (Web of Science):2.035 **Q3 (Web of Science)** Линк	1.000	25.00
24	L. Dimowa, N. Lihareva, Y. Tzvetanova, O. Petrov, **T. Todorova**, I. Piroeva . Kinetics and Rietveld XRD structural study of Cs+ sorption on natural and synthetic mordenites in the first 12 h. Springer (Netherlands), 331, Journal of Radioanalytical and Nuclear Chemistry, 2022, ISSN:02365731, DOI:https://doi.org/10.1007/s10967-022-08648-9, 5741-5752. SJR (Scopus):0.36, JCR-IF (Web of Science):1.754 **Q2 (Scopus)** Линк	1.000	16.67
25	Naydenov, A., Velinova, R., Blin, J-L., Michelin, L., Lebeau, B., **Kolev, H.**, **Karakirova, Y.**, Karashanova, D., Vida, L., **Dotzeva, A.**, **Tenchev, K.**, **Todorova, S.**. Reaction Kinetics and Mechanism of VOCs Combustion on Mn-Ce-SBA-15. Catalysts, 12, 6, MDPI, 2022, ISSN:2073-4344, DOI:doi.org/10.3390/catal12060583, Art. 583. SJR (Scopus):0.728, JCR-IF (Web of Science):4.641 **Q2 (Web of Science)** Линк	1.000	41.67
26	Neacsu, Dana A., Chihaia, V., **Alexiev, V.**, Angelescu, Daniel G.. Surface energies for the alpha polymorph of the magnesium	1.000	25.00

	hydride. Proceedings of short papers, Alternative Energy Sources, Materials & Technologies (AESMT'22), 4, Publishing house "Imeon" Sole-owner, 2022, ISSN:2603-364X, 77-78 **Друго (Друга база (не влиза в К2))**		
27	Popov, N., Ristić, N., Kuncser, V., Zadro, K., **Velinov, N.**, Badica, P., Alexandru-Dinu, A., Krehula, L. K., Musić, S., Krehula, S. Influence of erbium doping on the structural, magnetic and optical properties of hematite (α-Fe2O3) nanorods. Journal of Physics and Chemistry of Solids, 169, Elsevier Ltd., 2022, ISSN:00223697, DOI:10.1016/j.jpcs.2022.110857, Art.110857. SJR (Scopus):0.66, JCR-IF (Web of Science):4.383 **Q2 (Web of Science)** Линк	1.000	10.00
28	Porodko, O., Fabián, M., **Kolev, H.**, Lisnichuk, M., Zukalová, M., Vinarčíková, M., Girman, V., Da Silva, K. L., Šepelák, V.. A novel high entropy spinel-type aluminate MAl2O4 (M = Zn, Mg, Cu, Co) and its lithiated oxyfluoride and oxychloride derivatives prepared by one-step mechanosynthesis. Zeitschrift für Physikalische Chemie, 236, 6-8, Walter de Gruyter GmbH, 2022, ISSN:09429352, DOI:10.1515/zpch-2021-3106, 713-726. SJR (Scopus):0.472, JCR-IF (Web of Science):2.408 **Q2 (Web of Science)** Линк	1.000	11.11
29	Rosmini, C., Tsoncheva, T., Kovatcheva, D., **Velinov, N.**, **Kolev, H.**, Karashanova, D., Dimitrov, M., Tsyntsarski, B., Sebastián, D., Lázaro, M.J.. Mesoporous Ce–Fe–Ni nanocomposites encapsulated in carbon-nanofibers: Synthesis, characterization and catalytic behavior in oxygen evolution reaction. Carbon, 196, Elsevier Ltd., 2022, ISSN:00086223, DOI:10.1016/j.carbon.2022.04.036, 186-202. SJR (Scopus):1.99, JCR-IF (Web of Science):9.594 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	20.00
30	Rybakov, A. A., Bryukhanov, I.A., Trubnikov, D.N., **Todorova, S.**, Larin, A. V.. Partial Palladium Oxidation over Various Oxide Supports for a Higher Reactivity of PdO with Respect to CH4. Journal of Physical Chemistry C, 126, 31, American Chemical Society (United States), 2022, ISSN:1932-7447, DOI:10.1021/acs.jpcc.2c02946, 13132-13146. SJR (Scopus):1.1, JCR-IF (Web of Science):4.177 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	20.00
31	Rybakov, AA, Larin, V.A., Trubnikov, D. N., **Todorova S.**, Larin, A. V.. Translational dependence of the geometry of metallic mono- and bilayers optimized on semi-ionic supports: the cases of Pd on γ-Al2O3(110), monoclinic ZrO2(001), and rutile TiO2(001). CrystEngComm, 24, Royal Society of Chemistry, 2022, ISSN:14668033, DOI:10.1039/D1CE01365C, 143-155. SJR (Scopus):0.64, JCR-IF (Web of Science):3.545 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	20.00
32	Stefanov, B.I., Milusheva, V.S., **Kolev, H.G.**, Tzaneva, B.R.. Photocatalytic activation of TiO2-functionalized anodic aluminium oxide for electroless copper deposition. Catalysis Science and Technology, 12, Royal Society of Chemistry, 2022, ISSN:20444753, DOI:10.1039/d2cy01466a, 7027-7037. SJR (Scopus):1.299, JCR-IF (Web of Science):6.177 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	25.00
33	Stoyanova, D., Stambolova, I., Blaskov, V., Georgieva, P., Shipochka, M., Zaharieva, K., Dimitrov, O., Markov, P., Dyakova, V., Kostova, Y., **Mladenova, R.**, Tzvetkov, G., Boshkova, N., Boshkov, N.. Modified Approach Using Mentha arvensis in the Synthesis of ZnO Nanoparticles—Textural, Structural, and Photocatalytic Properties. Applied Sciences, 12, 3, Multidisciplinary Digital Publishing Institute (MDPI), 2022, ISSN:20763417, DOI:10.3390/app12031096, Art. 1096. SJR (Scopus):0.507 **Q2 (Scopus)** Линк	1.000	7.14
34	Tsoncheva, T., Rosmini, C., Mihaylov, M., Henych, J., Chakarova, K., **Velinov, N.**, Kovacheva, D., Němečková, Z., Kormunda, M., Ivanova, R., Spassova, I., Hadjiivanov, K.. Nickel-Decorated Mesoporous Iron–Cerium Mixed Oxides: Microstructure and Catalytic Activity in Methanol Decomposition. ACS Applied Materials & Interfaces, 14, 1, American Chemical Society (United States), 2022, ISSN:19448244, DOI:10.1021/acsami.1c19584, 873-890. SJR (Scopus):2.14, JCR-IF (Web of Science):10.383 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	8.33
35	Tumbalev, V., Kovacheva, D., Spassova, I., Velinova, R., **Tyuliev, G.**, **Velinov, N.**, Naydenov, A.. Novel Nanosized Spinel MnCoFeO4 for Low-Temperature Hydrocarbon Oxidation. Nanomaterials, 12, 21, MDPI, 2022, ISSN:2079-4991, DOI:10.3390/nano12213900, Art. 3900. SJR (Scopus):0.84, JCR-IF (Web of Science):5.719 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	28.57
36	Velinova, R., **Grahovski, B.**, **Kolev, H.**, Ivanov, G., **Todorova, S.**, Naydenov, A.. Reaction kinetics and mechanism of n-hexane catalytic combustion over Co-ZSM-5 zeolites. Materials Today: Proceedings, 61, 4, Elsevier Ltd, 2022, ISSN:22147853, DOI:10.1016/j.matpr.2022.02.360, 1255-1259. SJR (Scopus):0.355 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	50.00
37	Velinova, R., **Grahovski, B.**, **Kolev, H.**, Ivanov, G., **Todorova, S.**, Naydenov, A. . Reaction kinetics and mechanism of the catalytic oxidation of propane over Co–ZSM-5 zeolites. Reaction Kinetics, Mechanisms and Catalysis, 135, Springer Netherlands, 2022, ISSN:18785190, DOI:10.1007/s11144-021-02136-z, 83-103. SJR (Scopus):0.34, JCR-IF (Web of Science):1.843 **Q3 (Scopus)** Линк	1.000	50.00
38	Voitko, K.V., Goshovska, Y.V., Demianenko, E.M., Sementsov, Y.I., Zhuravskyi, S.V., Mys, L.A., Korkach, Y.P., **Kolev, H.**, Sagach, V.F.. Graphene oxide nanoflackes prevent reperfussion injury of Langerdorff isolated rat heart providing antioxidative activity in situ. Free Radical Research, 56, 3-4, Taylor & Francis Online, 2022, ISSN:1029-2470, DOI:10.1080/10715762.2022.2096450, 328-341. SJR (Scopus):0.76, JCR-IF (Web of Science):4.148 **Q2 (Scopus)** Линк	1.000	11.11
Коригиран брой: 38.000			