

СПИСОК
опубликованных научных работ
Константиновой Елизаветы Александровны

1. Krivetskiy Valeriy, Garshev Alexey, Marikutsa Artem, Ivanov Vladimir, Krotova Alina, Filatova Darya, Konstantinova Elizaveta, Naberezhnyi Daniil, Khmelevsky Nikolay, Kots Pavel, Smirnov Andrey, Rumyantseva Marina, Gaskov Alexander. Enhancement of Lewis acidity of Cr-doped nanocrystalline SnO₂ and its effect on surface NH₃ oxidation and the sensory detection pattern. Chemphyschem, v.20, № 15, p. 1985-1996 (2019).

<https://doi.org/10.1002/cphc.201900192>

SJR 2019: 1.01 Q1

2. Jiwei Ma, Wei Li, Nikolay T. Le, Jesús A. Díaz-Real, Monique Body, Christophe Legein, Jolanta Światowska, Arnaud Demortière, Olaf J. Borkiewicz, Elizaveta A. Konstantinova, Alexander I. Kokorin, Nicolas Alonso-Vante, Christel Laberty-Robert, Damien Dambournet. Red-Shifted Absorptions of Cation-Defective and Surface-Functionalized Anatase with Enhanced Photoelectrochemical Properties. ACS Omega, v.4, № 6, p. 10929-10938 (2019).

Q1 <https://doi.org/10.1021/acsomega.9b01219>

3. S.A.Vladimirova, K.Ya.Prikhodko, M.N.Rumyantseva, E.A.Konstantinova, A.S.Chizhov, A.M.Gaskov. Nanocrystalline complex oxides NixCo₃-xO₄: Cations distribution impact on electrical and gas sensor behavior. Journal of Alloys and Compounds. 828:154420, 2020.

<https://doi.org/https://doi.org/10.1016/j.jallcom.2020.154420>

SJR 2019: 1.055 Q1

4. A. Nasriddinov, M. Rumyantseva, E. Konstantinova, A. Marikutsa, S. Tokarev, P. Yaltseva, O. Fedorova, A. Gaskov. Effect of Humidity on Light-Activated NO and NO₂ Gas Sensing by Hybrid Materials. Nanomaterials. 10: 915, 2020.

<https://doi.org/10.3390/nano10050915>

SJR 2019: 0.86 Q1

5. A. Logvinovich, T. Sviridova, E. Konstantinova, A. Kokorin, D. Sviridov. Solvothermally-derived MoO₃-benzotriazole hybrid structures for nanocontainer depot systems. New Journal of Chemistry. 44: 11131, 2020.

<https://doi.org/10.1039/D0NJ02326D>

SJR 2019: 0.71 Q1

6. Konstantinova E.A., Minnekhanov A.A., Trusov G.V., Kytin V.G. Titania-based nanoheterostructured microspheres for prolonged visible-light-driven photocatalysis. Nanotechnology, v. 31, p.345207, 2020.

<https://doi.org/10.1088/1361-6528/ab91f1>

SJR 2019: 1.03 Q1

7. Vladimir V. Shilovskikh, Alexandra A. Timralieva, Pavel V. Nesterov, Alexander S. Novikov, Petr A. Sitnikov, Elizaveta A. Konstantinova, Alexander I. Kokorin, Ekaterina V. Skorb. Melamine-barbiturate supramolecular assembly as pH-dependent radical trap material. *Chemistry - A European Journal*, v.26, p.1 – 9, 2020.

<https://doi.org/10.1002/chem.202002947>

SJR 2019: 1.68 Q1

8. K. Vasić, Ž. Knez, E. Konstantinova, A. Kokorin, S. Gyergyek, M. Leitgeb. Structural and magnetic characteristics of carboxymethyl dextran coated magnetic nanoparticles: from characterization to immobilization application. *Reactive and Functional Polymers*, v. 148, p. 104481-1-104481-13 (2020).

<https://doi.org/10.1016/j.reactfunctpolym.2020.104481>

SJR 2021: 0.67 Q1

9. A. Logvinovich, T. Sviridova, E. Konstantinova, A. Kokorin, D. Sviridov. Solvothermally-derived MoO₃-benzotriazole hybrid structures for nanocontainer depot systems. *New Journal of Chemistry*, v. 44, p. 1131-11136, (2020).

<https://doi.org/10.1039/D0NJ02326D>

SJR 2021: 0.63 Q1

10. A. Ulyankina, T. Molodtsova, M. Gorshenkov, I. Leontyev, D. Zhigunov, E. Konstantinova, T. Lastovina, J. Tolasz, J. Henych, N. Licciardello, G. Cuniberti, N. Smirnova. Photocatalytic degradation of ciprofloxacin in water at nano-ZnO prepared by pulse alternating current electrochemical synthesis. *Journal of Water Process Engineering*, 2020.

<https://doi.org/10.1016/j.jwpe.2020.101809>

SJR 2021: 1.03 Q1

11. Kelbysheva Elena S., Telegina Lyudmila N., Strelkova Tatyana V., Ezernitskaya Mariam G., Smol'yakov Aleksander F., Borisov Yurii A., Lokshin Boris V., Konstantinova Elizaveta A., Gromov Oleg I, Kokorin Alexander I., Loim, Nikolay M. Thioureido Cymantrene Derivatives: Synthesis and Photochromic Properties. *Organometallics*, v. 38, № 10, p. 2288-2297 (2019).

<https://doi.org/10.1021/acs.organomet.9b00165>

SJR 2021: 0.99 Q1

12. A.I. Kokorin, A.N. Streletskii, I.V. Kolbanev, A.B. Borunova, Y. N. Degtyarev, A.V. Leonov, D.G. Permenov, E.A. Konstantinova. Influence of

Aluminum Addition on the Structure and Features of V₂O₅ Oxide Prepared by Mechanochemical Activation. J. Phys. Chem. C, v.123, (2019).

<http://dx.doi.org/10.1021/acs.jpcc.9b05325>

SJR 2021: 1.1 Q1

13. Konstantinova E.A., Ugolkova E.A., Zaitsev V.B., Aroutyunian V.M., Kokorin A.I. Structure and Properties of Polycrystalline TiO₂-Doped with Chromium Ions Studied by EPR and Optical Methods/ *Applied Magnetic Resonance, Springer Verlag (Germany)*, том 53, № 3-5, с. 717-730 (2022).

14. Кытина Е.В., Савчук Т.П., Гаврилин И.М., Константинова Е.А. Фотоиндуцированная динамика спиновых центров в нанотрубках диоксида титана, модифицированных углеродом. в журнале *Журнал неорганической химии, ФГБУ "Издательство "Наука" (Москва)*, том 68, № 3, с. 1-7 (2023).

15. Buga S.G., Kulbachinskiy V.A., Kvashnin G.M., Kuznetsov M.S., Nosukhin S.A., Konstantinova E.A., Belov V.V., Prihodko D.D. Effect of thermobaric treatment on magnetic and superconductive properties of HPHT-grown nitrogen-doped diamond crystals. *Diamond and Related Materials, Elsevier BV (Netherlands)*, том 142, с. 110759-1-110759-15. (2024).