

## СПИСОК

научных трудов за последние 5 лет сотрудников Федерального государственного бюджетного учреждения науки Институт химии твердого тела Уральского Отделения Российской Академии наук

№	Наименование работы	Выходные данные	Авторы
1.	Synthesis of spinel $\text{Ni}_{0.75}\text{Zn}_{0.25}\text{Fe}_2\text{O}_4$ and the properties of a coating obtained by gas-flame spraying	Theoretical foundations of chemical engineering. 2011. Vol. 45. Issue 4. P. 455–460	Kuznetsov, A. Yu.; Mel'nikov, V. N.; Gyrdasova, O. I.; Bazuev, G. V.; Novikov, S. I.
2.	Synthesis of ultradisperse $\text{NiFe}_2\text{O}_4$ spinel by thermal decomposition of citrate precursors and its magnetic properties	Ceramics international. 2012. Vol. 38. Issue 1. P. 373–379	Karpova, T.; Vassiliev, V.; Vladimirova, E.; Osotov, V.; Ronkin, M.; Nosov, A.
3.	Sedimentation of $\text{Fe}_3\text{O}_4$ nanosized magnetic particles in water solution enhanced in a gradient magnetic field	Journal of nanoparticle research. 2012. Vol. 14. Issue 3. Article Number 740	Medvedeva, I.; Uimin, M.; Yermakov, A.; Mysik, A.; Byzov, I.; Nabokova, T.; Gaviko, V.; Shchegoleva, N.; Zhakov, S.; Tsurin, V.; Linnikov, O.; Rodina, I.; Platonov, V.; Osipov, V.
4.	Nature of defects in nanocrystalline zinc oxide with particles of tubular morphology	Theoretical and experimental chemistry. 2012. Vol. 48. Issue 3. P. 149–152	Melkozerova, M. A.; Krasil'nikov, V. N.; Gyrdasova, O. I.; Zabolotskaya, E. V.; Shalaeva, E. V.; Samigullina, R. F.
5.	Effect of the precursor heat treatment procedure on the properties of titania photocatalysts	Inorganic materials. 2012. Vol. 48. Issue 7. P. 727–731	Zakharova, G. S.; Andreikov, E. I.
6.	Synthesis, optical properties, and photocatalytic activity of lanthanide-doped anatase	Russian journal of inorganic chemistry. 2014. Vol. 59. Issue 2. P. 29–33	Baklanova, I. V.; Krasil'nikov, V. N.; Zhukov, V. P.; Gyrdasova, O. I.; Perelyaeva, L. A.; Buldakova, L. Yu.; Yanchenko, M. Yu.; Shein, I. R.

7.	Synthesis and characterisation of new MO(OH)(2) (M = Zr, Hf) oxyhydroxides and related Li <sub>2</sub> MO <sub>3</sub> salts	Dalton transactions. 2014. Vol. 43. Issue 7. P. 2755–2763	Baklanova, Yana V.; Denisova, Tatyana A.; Maksimova, Lidiya G.; Tyutyunnik, Alexander P.; Baklanova, Inna V.; Shein, Igor R.; Neder, Reinhard B.; Tarakina, Nadezda V.
8	Preparation of nanostructured Ti <sub>4</sub> O <sub>7</sub>	Inorganic Materials. 2014. Vol. 50. Issue 7. P. 682–685	Davydov, D.A.
9	The synthesis, characterization and electrochemical properties of V <sub>3</sub> O <sub>7</sub> center dot H <sub>2</sub> O/CNT Nanocomposite	SOLID STATE IONICS. 2013. Vol. 262. P. 30–34	Li, Zhaolong; Sun, Huajun; Xu, Jie; Zhu, Quanyao; Chen, Wen; Zakharova, Galina S.
10	Mechanism of precipitate formation during spontaneous crystallization from supersaturated aqueous solutions	Russian chemical reviews. 2014. Vol. 83. Issue 4. P. 343–364	Linnikov, O. D.
11	Removal of Cr(VI) from aqueous solutions by magnetite nanoparticles with different sizes and crystal structure	Desalination and water treatment. 2014. Vol. 52. Issue 1-3. P. 324–330	Linnikov, Oleg; Rodina, Irina; Shevchenko, Vladimir; Medvedeva, Irina; Uimin, Michael; Schegoleva, Nina; Yermakov, Anatoly; Platonov, Vladimir; Osipov, Vladimir