

Сведения о ведущей организации

1.	Полное наименование организации	Федеральное государственное бюджетное учреждение науки Институт физической химии и электрохимии им. А.Н. Фрумкина Российской академии наук
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9.	Руководитель организации	Буряк Алексей Константинович
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11.	Должность	Директор института
12.	Ученая степень	Доктор химических наук
13.	Ученое звание	Профессор, член-корреспондент РАН
14.	Список основных публикаций работников ведущей организации по тематике диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15 публикаций)	<ol style="list-style-type: none"> 1. V. E. Kasatkin, I. V. Kasatkina, N. L. Bogdashkina et al Influence of different modes of microarc oxidation of titanium on the electrochemical properties and surface morphology of the obtained coatings // Surface Engineering. — 2023. — Vol. 39, no. 3. — P. 21 2. V. V. Dushik, E. A. Ruban, A. B. Drovosekov et al. Synergetic effect in Ni–P–W and W–C multilayer coating systems obtained by chemical-catalytic metallization and chemical-vapor deposition // Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques. — 2023. — no. 12. — P. 6. 3. V. V. Dushik, E. A. Ruban, A. A. Shaporenkov et al. Mechanical properties and corrosion-electrochemical behavior of multilayer coatings of the Ni-P and W-C systems obtained by chemical-catalytic metallization and chemical vapor deposition. part 1: Structure and mechanical properties of coatings // Protection of Metals and Physical Chemistry of Surfaces. — 2022. — Vol. 58, no. 7. — P. 76–81 4. I. A. Kozlov, M. V. Gerasimov, B. L. Krit et al. Plasma-electrolyte coatings obtained on vt1-0

	<p>titanium with a short treatment duration // Surface Engineering and Applied Electrochemistry. — 2023. — Vol. 59, no. 4. — P. 433–437</p> <p>5. Savushkina, S.; Gerasimov, M.; Apelfeld, A.; Suminov, I. Study of Coatings Formed on Zirconium Alloy by Plasma Electrolytic Oxidation in Electrolyte with Submicron Ytria Powder Additives // Metals. — 2021. — Vol.11.: 1392.</p> <p>6. V. A. Vorkel, R. I. Bogdanov, N. A. Pukhareva et al. Corrosion performance comparison of coCrFeNi-based high-entropy alloys and austenitic stainless steels in acidic oxidizing chloride solutions // International Journal of Corrosion and Scale Inhibition. — 2024. — Vol. 13, no. 3. — P. 1394–1422.</p> <p>7. Dushik V. V., Gerasimov M. V., Ignatenko V. E. Effect of coatings of different types on stress corrosion cracking of low-alloyed steel x70 // Steel in Translation. — 2023. — Vol. 53, no. 8. — P. 659–664.</p> <p>8. Luchkina V. A., Min'kin M. S., Kuznetsov Y. I. Formation of superhydrophobic coatings on a magnesium surface for atmospheric corrosion protection // Protection of Metals and Physical Chemistry of Surfaces. — 2022. — Vol. 58, no. 7. — P. 52–58</p> <p>9. Semiletov A. M., Kudelina A. A., Kuznetsov Y. I. New prospects in the application of superhydrophobic coatings and corrosion inhibitors // International Journal of Corrosion and Scale Inhibition. — 2022. — Vol. 11, no. 3. — P. 1388–1400.</p> <p>10. A. G. Rakoch, Y. I. Kuznetsov, V. T. Tran et al. Black decorative anticorrosion coatings obtained on aa2024 alloy by plasma–electrolytic treatment and inhibition // International Journal of Corrosion and Scale Inhibition. — 2021. — Vol. 10, no. 2. — P. 562–579.</p> <p>11. Адилова С. С., Дровосеков А. Б., Малкин А.И. Electrochemical formation of “Al–Ni” composite coatings from aluminum suspension in an electrolyte based on a deep eutectic solvent // Protection of Metals and Physical Chemistry of Surfaces. — 2023. — Vol. 59, no. 1. — P. 68–70.</p> <p>12. Plasma cleaning of KU-1 optical quartz from aluminum films / A. E. Gorodetsky, A. V. Markin, V. L. Bukhovets, V.I. Zolotarevsky, R. Kh. Zalavutdinov, E. E. Mukhin & A. G. Razdobarin. // Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques. — 2021. — Vol. 15, no. 4. — P. 660–670.</p> <p>13. Myagkova I.N., Evseev A.K., Polyakov N.A.,</p>
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	<p>Drovosekov A.B., Goroncharovskaya I.V., Shabanov A.K. Physico-chemical approaches to improve the characteristics of electrosurgical instruments. // ChemChemTechю – 2022. – V. 65. – N 10. P. 6-13.</p> <p>14. N. A. Polyakov, I. G. Botryakova, V. G. Glukhov et al. Formation and anticorrosion properties of superhydrophobic zinc coatings on steel / // Chemical Engineering Journal. — 2021. — P. 127775.</p> <p>15. E. S. Marchenko, A. A. Shishelova, G. A. Baigonakova, N.A. Polyakov, I.G. Botryakova Mechanical properties and corrosion resistance of porous nickel titanium alloys synthesized in different reactive atmospheres // Physica Scripta. — 2024. — Vol. 99, no. 1. — P. 015939–015939.</p>
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