

Сведения о ведущей организации

1.	Полное наименование организации	Федеральное государственное бюджетное учреждение науки Объединенный институт высоких температур Российской академии наук
2.	Сокращенное наименование организации	ФГБУН ОИВТ РАН
3.	Ведомственная принадлежность	РАН
4.	Место нахождения	Москва, улица Ижорская, дом 13, строение 2
5.	Почтовый адрес организации с указанием индекса	125412
6.	Телефон с указанием кода города	8 (495) 484-2300, 8 (495) 485-9009
7.	Адрес электронной почты	webadmin@ihed.ras.ru
8.	Адрес официального сайта в сети «Интернет»	http://www.jiht.ru
9.	Руководитель организации	Петров Олег Федорович
10.	Уполномоченный	Школьников Евгений Иосифович
11.	Должность	Заведующий лабораторией электрохимической энергетики
12.	Ученая степень	доктор технических наук
13.	Ученое звание	С.н.с.
14.	Список основных публикаций работников ведущей организации по тематике диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15 публикаций)	<p>1. G. Ambaryan, G. Valyano, A. Zhuk, E. Shkolnikov, A. Gromov, S. Zmanovsky, M. Vlaskin, Partial oxidation of aluminum powder for obtaining a controlled amount of aluminum oxide on the surface of aluminum, <i>IOP Conference Series // Earth and Environmental Science</i>, 168 (2018) 012021.</p> <p>2. G. Ambaryan, M. Vlaskin, O.A. Buryakovskaya, S.A. Kislenko, A. Zhuk, E. Школьников, A.N. Arnautov, S.V. Zmanovsky, A. Осипенкова, V.P. Tarasov, A. Gromov, Advanced manufacturing process of ultrahigh-purity α-Al 2 O 3 // <i>Sustain Mater Techno</i> 17 (2018) e00065.</p> <p>3. G.N. Ambaryan, M.S. Vlaskin, A.Z. Zhuk, E.I. Shkol'nikov, Preparation of High-Purity Aluminum Oxide via Mechanochemical Oxidation of Aluminum in a 0.1 M KOH Solution, Followed by Chemical and Heat Treatments // <i>Inorganic Materials</i>, 55(3) (2019) 244-255.</p> <p>4. G.E. Belyaev, M.S. Vlaskin, A.V. Grigorenko, A.Z. Zhuk, I.A. Lipatova, E.I. Shkol'nikov, Improving the Chemical Purity of Fused Corundum by High-Temperature Roasting // <i>Refractories and Industrial Ceramics</i>, 59(6) (2019) 648-653.</p> <p>5. O.A. Buryakovskaya, M.S. Vlaskin, A.O. Dudoladov,</p>

E.I. Shkolnikov, Hydrogen Generation at Low Temperatures by Oxidation of Aluminum and Magnesium // 2018 5th *International Symposium on Environment-Friendly Energies and Applications* (EFEA), 2018, pp. 1-5.

6. E.S. Davydova, I.N. Atamanyuk, A.S. Ilyukhin, E.I. Shkolnikov, A.Z. Zhuk, Nitrogen-doped carbonaceous catalysts for gas-diffusion cathodes for alkaline aluminum-air batteries // *J Power Sources*, 306 (2016) 329-336.

7. E.V. Golubina, E.S. Lokteva, U.D. Gurbanova, A.N. Kharlanov, T.B. Egorova, I.A. Lipatova, M.S. Vlaskin, E.I. Shkol'nikov, Multiphase Hydrodechlorination of 1,3,5-Trichlorobenzene on Palladium Catalysts Supported on Alumina: Effect of the Support Properties and Modification by Heteropoly Acid Based on Silicon and Tungsten // *Kinetics and Catalysis* 60(3), (2019) 297-314.

8. A.V. Grigorenko, E.I. Shkolnikov, A.Z. Zhuk, M.S. Vlaskin, Experience in Creation and Exploitation of Energetic and Energy-Technological Plants Based on Hydrothermal Oxidation of Aluminum, IOP Conference Series // *Materials Science and Engineering*, 381, (2018) 012049.

9. E.A. Kiseleva, F.V. Lelin, M.A. Zhurilova, E.I. Shkol'nikov, Ways to form electrodes for supercapacitors with aqueous and organic electrolytes and specific features of these methods // *Russian Journal of Applied Chemistry*, 90(5), (2017) 712-715.

10. E.A. Kiseleva, I.V. Yanilkin, A.V. Grigorenko, E.I. Shkol'nikov, G.E. Val'vano, Stability of Carbons in the Composition of Electrodes for Supercapacitors with Organic Electrolytes // *Russ J Electrochem*, 53(11), (2017) 1239-1245.

11. E.A. Kiseleva, M.A. Zhurilova, S.A. Kochanova, E.J. Shkolnikov, A.B. Tarasenko, O.V. Zaitseva, O.V. Uryupina, G.V. Valyano, Influence of carbon conductive additives on electrochemical double-layer supercapacitor parameters // *Journal of Physics: Conference Series*, 946, (2018) 012030.

12. E.I. Shkolnikov, E.M. Novaev, S.A. Kochanova, A.S. Ilyukhin, D.E. Vervikishko, T.F. Yudina, I.V. Bratkov, L.M. Glukhov, Carbon materials as a cathode for aluminum-ion battery // *Materials Today: Proceedings*, 5(12 Part 3) (2018) 26073-26077.

13. D.E. Vervikishko, Y.G. Chirkov, V.I. Rostokin, E.I. Shkol'nikov, the role of macropores in the structure of a porous electrode in the electrochemical double layer

	<p>capacitor // <i>Computer modeling and experiments</i>, 7(1), (2016) 37-59.</p> <p>14. D.E. Vervikishko, E.I. Shkol'nikov, I.V. Yanilkin, Y.G. Chirkov, V.I. Rostokin, Effect of the conditions of activated carbon synthesis from wood on its porous structure and the specific characteristics of double layer supercapacitors with a sulfuric acid-based electrolyte // <i>Russ J Electrochem+</i>, 53(5) (2017) 500-508.</p> <p>15. M.S. Vlaskin, A.V. Grigorenko, E.I. Shkolnikov, A.S. Ilyukhin, Gold-plated titanium vs carbon-implanted titanium as material for bipolar plates in pem fuel cells // <i>Surface Review and Letters</i>, 26(08), (2019) 1950038.</p> <p>16. I.V. Yanilkin, A.A. Sametov, I.N. Atamanyuk, A. Volpert, G.V. Dobelev, M.A. Zhurilova, A.A. Grigorenko, V.N. Kolokol'nikov, D.E. Vervikishko, E.I. Shkolnikov, Porous structure and electrical capacitance of charcoals in aqueous and organic electrolytes // <i>Russian Journal of Applied Chemistry</i>, 88(7), (2015) 1157-1167.</p> <p>17. I.V. Yanilkin, A.A. Sametov, E.I. Shkol'nikov, Effect of the amount of F4 fluoroplastic binder in carbon electrodes on characteristics of supercapacitors // <i>Russian Journal of Applied Chemistry</i>, 88(2), (2015) 335-342.</p>
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