

**Кулова Татьяна Львовна**, доктор химических наук, заведующая лабораторией процессов в химических источниках тока ФБГУН «Институт физической химии и электрохимии им. А.Н. Фрумкина Российской академии наук»

**Тел.:** 8(910)444-92-87

**E-mail:** [tkulova@mail.ru](mailto:tkulova@mail.ru)

1. Ilya M. Gavrilin, Yulia O.Kudryashova, Maksim M. Murtazin, Ilya I. Tsiniaikin, Alexander V.Pavlikov, Tatiana L.Kulova, Alexander M. Skundin. Electrochemical Synthesis and Application of Ge-Sn-O Nanostructures as Anodes of Lithium-Ion Batteries. *Applied Nano.* – 2023. – V.4, №2. – P.178-190;
2. Sergey A. Gavrilov, Ilya M. Gavrilin, Irina K. Martynova, Tatiana L. Kulova, Evgeniya V. Kovtushenko, Alexander M. Skundin, Maksim V. Poliakov, Lidiya S. Volkova, Svetlana A. Novikova. Germanium–Cobalt–Indium Nanostructures as Anodes of Lithium-Ion Batteries for Room- and Low-Temperature Performance. *Batteries.* – 2023. – V.9, №9. – 445;
3. P.V. Kornev, T.L. Kulova, A.A. Kuz'mina, A.M. Skundin, E.V. Chirkova, E.S. Koshel', V.M. Klimova. Electrochemical Characteristics of Erbium-Doped Lithium Titanate over Wide Potential Range. *Russian Journal of Electrochemistry.* – 2023. – V11, №59. – P.906-914;
4. Т.Л. Кулова, А.М. Скундин. Ренессанс литиевого электрода. *Электрохимическая энергетика.* – 2023. – Т.23, №2. – С.57-79;
5. Tatiana Kulova, Dmitrii Gryzlov, Alexander Skundin, Ilya Gavrilin, Irina Martynova, Yulia Kudryashova. Causes of Germanium Phosphide Degradation under Prolonged Cycling. EIS Study. *International Journal of Electrochemical Science.* – 2022. – V.7. – 220224;
6. I.A. Stenina, T.L. Kulova, A.V. Desyatov, A.B. Yaroslavtsev. Composites Based on Lithium Titanate with Carbon Nanomaterials as Anodes for Lithium-Ion Batteries. *Russian Journal of Electrochemistry.* – 2022. – V.58, №8. – P.658 – 666;
7. Tatiana L. Kulova, Alexander M. Skundin, I.M. Gavrilin, Yulia O. Kudryashova, Irina K. Martynova, S.A. Novikova. Binder-Free Ge-Co-P Anode Material for Lithium-Ion and Sodium-Ion Batteries. *Batteries* – 2022.- V.8, № 8. – 98;
8. Tatiana L. Kulova, Alexander M. Skundin. Electrode/Electrolyte Interphases of Sodium-Ion Batteries. *Energies.* – 2022 – V.15, №22. – 8615;
9. N.V. Panchenko, V.A. Bogdanovskaya, T.L. Kulova, G.A. Kirakosyan, I.A. Zamilatskov, A.S. Pavlov, V.N. Andreev, V.T. Novikov. The Effect of Lithium Salt concentration in an Aprotic Solvent on the Oxygen Reaction. *Electrochimica Acta* . – 2021. – V.393, №8. – 139073;

10. T.L. Kulova, L.A. Mazaletsky, A.A. Mironenko, A.S. Rudy, A.M. Skundin, Yu. S. Tortseva, I.S. Fedorov. Experimental Study of the Influence of the Porosity of Thin-Film Silicon-Based Anodes on Their Charge-Discharge Characteristics. Russian Microelectronics. – 2021. – V.50, №1. – P.44 -52.