

Статьи ведущей организации

Федеральное государственное бюджетное учреждение науки Институт физической химии и электрохимии им. А.Н. Фрумкина Российской академии наук

1. Tridentate Nitrogen Ligand as a Tool for the Construction of Well-Defined Rare Earth Trichloride Complexes / S. R. Saitov, D. N. Litvinenko, A.E. Aleksandrov, O.V. Snigirev, A.R. Tameev, A.M. Smirnov, V.N. Mantsevich // *Inorg. Chem. Lett.* – 2024. – Vol. 63. – № 4. – P. 1867–1878.
2. Spectral (in)dependence of nonequilibrium charge carriers lifetime and density of states distribution in the vicinity of the band gap edge in F8BT polymer / S. R. Saitov, D. N. Litvinenko, A.E. Aleksandrov, O.V. Snigirev, A.R. Tameev, A.M. Smirnov, V.N. Mantsevich // *Appl. Phys. Lett.* – 2023. – Vol. 123. – № 19. – P. 191108.
3. Route to Stabilization of Nanotechnetium in an Amorphous Carbon Matrix: Preparative Methods, XAFS Evidence, and Electrochemical Studies / V.V. Kuznetsov, K.E. German, O.A. Nagovitsyna, E.A. Filatova, M.A. Volkov, A.V. Sitanskaia, T.V. Pshenichkina // *Inorg. Chem.* – 2023. – Vol. 62. – № 45. – P. 18660–18669.
4. Intramolecular Re···O Nonvalent Interactions as a Stabilizer of the Polyoxorhenate (VII) / M.A. Volkov, A.P. Novikov, N.E. Borisova, M.S. Grigoriev, K.E. German // *Inorg. Chem.* – 2023. – Vol. 62. – № 33. – P. 13485–13494.
5. A Mechanism of Desorption of Pertechtate Ions from Macroporous Vinyl Pyridinium Anion-Exchange Resin Using Tributyl Phosphate / K.A. Zagidullin, E.V. Belova, M.A. Volkov, K.E. German, V.V. Kuznetsov, S.N. Ryagin, A.Yu. Tsivadze // *Prot. Met. Phys. Chem. Surf.* – 2023. – Vol. 59. – № 5. – P. 876–892.
6. Comparative Analysis of Experimental Data on the Sublimation of Uranium Carbonitrides and Uranium–Zirconium Carbonitrides at High Temperatures / G.S. Bulatov, K.E. German // *Radiochemistry.* – 2023. – Vol. 65. – № 6. – P. 619–527.
7. Influence of the organic cation on the formation of hexahalotechnetates: X-ray, thermal and comparative analyses of non-covalent interactions / A. P. Novikov, K.A. Zagidullin, M.A. Volkov, K.E. German, I.M. Nevolin, M.S. Grigoriev // *Dalton Trans.* – 2023. – Vol. 52. – № 46. – P. 17538–17547.
8. Thiourea as a Stabilizer of Reduced Forms of Technetium— Tc (III) and Tc (IV): Experimental and Theoretical Studies of Complexes / I M. A. Volkov, A.P. Novikov, M.S. Grigoriev, Y.M. Nevolin, K. E. German // *Inorg. Chem.* – 2022. – Vol. 62. – № 1. – P. 256–265.
9. A 70-Year-Old Mystery in Technetium Chemistry Explained by the New Technetium Polyoxometalate $[H_7O_3]_4[Tc_{20}O_{68}] \cdot 4H_2O$ / K.E. German, A.M. Fedoseev, M.S. Grigoriev, G.A. Kirakosyan, T. Dumas, C.e Den Auwer, P. Moisy, K.V. Lawler, P.M. Forster, F. Poineau // *Chem. Eur. J.* – 2021. – Vol. 27. – № 54. – P. 13624–13631.
10. An ion selective electrode for the determination of pertechtate ions / A.V. Kopytin, K.E. German, K.Yu. Zhizhin, A.V. Tyuremnov, T.V. Zhukova, E.G. Il'in // *Int. J. Anal. Chem.* – 2020. – Vol. 75. – № 6. – P. 829–834.