**Сведения об официальном оппоненте.**

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| Ф.И.О. | Боронин Андрей Иванович |
| Ученая степень. | Д-р химических наук |
| Отрасль науки, по которой защищена диссертация. | 02.00.15 -Кинетика и катализ. |
| Полное и сокращенное  наименование организации,  являющейся основным местом работы. | Федеральное государственное бюджетное учреждение науки «Федеральный исследовательский центр «Институт катализа им. Г.К. Борескова Сибирского отделения Российской академии наук» (ИК СО РАН) |
| Должность | Ведущий научный сотрудник |
| Список основных публикаций по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не  более 15). | [1] S.A. Yashnik, G.A. Urzhuntsev, A.I. Stadnichenko, D.A. Svintsitskiy, A.V. Ishchenko, A.I. Boronin, Z.R. Ismagilov, Effect of Pd-precursor and support acid properties on the Pd electronic state and the hydrodesulfurization activity of Pd-zeolite catalysts, Catal. Today, 323 (2019) 257-270.  [2] D.A. Svintsitskiy, T.Y. Kardash, A.I. Boronin, Surface dynamics of mixed silver-copper oxide AgCuO2 during X-ray photoelectron spectroscopy study, Applied Surface Science, 463 (2019) 300-309.  [3] A.I. Stadnichenko, V.V. Muravev, S.V. Koscheev, V.I. Zaikovskii, H.A. Aleksandrov, K.M. Neyman, A.I. Boronin, Study of active surface centers of Pt/CeO2 catalysts prepared using radio frequency plasma sputtering technique, Surface Science, 679 (2019) 273-283.  [4] E.A. Derevyannikova, T.Y. Kardash, A.I. Stadnichenko, O.A. Stonkus, E.M. Slavinskaya, V.A. Svetlichnyi, A.I. Boronin, Structural Insight into Strong Pt-CeO2 Interaction: From Single Pt Atoms to PtOx Clusters, Journal of Physical Chemistry C, 123 (2019) 1320-1334.  [5] D.A. Svintsitskiy, T.Y. Kardash, E.M. Slavinskaya, O.A. Stonkus, S.V. Koscheev, A.I. Boronin, The decomposition of mixed oxide Ag2Cu2O3: Structural features and the catalytic properties in CO and C2H4 oxidation, Applied Surface Science, 427 (2018) 363-374.  [6] E.M. Slavinskaya, A.I. Stadnichenko, V.V. Muravyov, T.Y. Kardash, E.A. Derevyannikova, V.I. Zaikovskii, O.A. Stonkus, I.N. Lapin, V.A. Svetlichnyi, A.I. Boronin, Transformation of a Pt-CeO2 Mechanical Mixture of Pulsed-Laser-Ablated Nanoparticles to a Highly Active Catalyst for Carbon Monoxide Oxidation, Chemcatchem, 10 (2018) 2232-2247.  [7] A.I. Stadnichenko, V.V. Murav'ev, V.A. Svetlichnyi, A.I. Boronin, Platinum state in highly active Pt/CeO2 catalysts from the X-ray photoelectron spectroscopy data, J. Struct. Chem., 58 (2017) 1152-1159.  [8] L.S. Kibis, T.Y. Kardash, E.A. Derevyannikova, O.A. Stonkus, E.M. Slavinskaya, V.A. Svetlichnyi, A.I. Boronin, Redox and Catalytic Properties of RhxCe1-xO2-delta Solid Solution, Journal of Physical Chemistry C, 121 (2017) 26925-26938.  [9] T.Y. Kardash, E.M. Slavinskaya, R.V. Gulyaev, A.V. Zaikovskii, S.A. Novopashin, A.I. Boronin, Enhanced Thermal Stability of Pd/Ce-Sn-O Catalysts for CO Oxidation Prepared by Plasma-Arc Synthesis, Top. Catal., 60 (2017) 898-913.  [10] E.A. Derevyannikova, T.Y. Kardash, L.S. Kibis, E.M. Slavinskaya, V.A. Svetlichnyi, O.A. Stonkus, A.S. Ivanova, A.I. Boronin, The structure and catalytic properties of Rh-doped CeO2 catalysts, Physical Chemistry Chemical Physics, 19 (2017) 31883-31897.  [11] D.A. Svintsitskiy, E.M. Slavinskaya, T.Y. Kardash, V.I. Avdeev, B.V. Senkovskiy, S.V. Koscheev, A.I. Boronin, Low-temperature catalytic CO oxidation over mixed silver-copper oxide Ag2Cu2O3, Applied Catalysis a-General, 510 (2016) 64-73.  [12] D.A. Svintsitskiy, I.Y. Pakharukov, E.M. Slavinskaya, T.Y. Kardash, V.N. Parmon, A.I. Boronin, Influence of the Copper(II) Oxide Dispersion on its Catalytic Properties in Carbon Monoxide Oxidation: A Comparative Study by Using Two Types of Catalytic Reactors, Chemcatchem, 8 (2016) 3546-3555.  [13] L.S. Kibis, A.I. Stadnichenko, S.V. Koscheev, V.I. Zaikovskii, A.I. Boronin, XPS Study of Nanostructured Rhodium Oxide Film Comprising Rh4+ Species, Journal of Physical Chemistry C, 120 (2016) 19142-19150.  [14] D.A. Svintsitskiy, L.S. Kibis, A.I. Stadnichenko, S.V. Koscheev, V.I. Zaikovskii, A.I. Boronin, Highly Oxidized Platinum Nanoparticles Prepared through Radio-Frequency Sputtering: Thermal Stability and Reaction Probability towards CO, Chemphyschem, 16 (2015) 3318-3324.  [15] L.S. Kibis, A.I. Stadnichenko, S.V. Koscheev, V.I. Zaikovskii, A.I. Boronin, Highly Oxidized Gold Nanoparticles: In Situ Synthesis, Electronic Properties, and Reaction Probability Toward CO Oxidation, Journal of Physical Chemistry C, 119 (2015) 2523-2529. |