**Сведения об официальном оппоненте.**

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| Список основных публикаций по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15).  | [1] N.I. Fedotov, S.V. Zaitsev-Zotov, Numerical analysis of surface and edge states in slabs, stripes, rods and surface steps of topological insulators (vol 30, 485301, 2018), Journal of Physics-Condensed Matter, 31 (2019) 049501.[2] S.G. Zybtsev, V.Y. Pokrovskii, V.F. Nasretdinova, S.V. Zaitsev-Zotov, Anomalous Photoconduction of Low-Temperature Charge-Density Wave in NbS3-II as a Physical Basis of a Method for Detection of Weak Signals, Journal of Communications Technology and Electronics, 63 (2018) 1053-1058.[3] E. Zupanic, H.J.P. van Midden, M.A. van Midden, S. Sturm, E. Tchernychova, V.Y. Pokrovskii, S.G. Zybtsev, V.F. Nasretdinova, S.V. Zaitsev-Zotov, W.T. Chen, W.W. Pai, J.C. Bennett, A. Prodan, Basic and charge density wave modulated structures of NbS3-II, Physical Review B, 98 (2018) 174113.[4] E.A. Vilkov, I.N. Dyuzhikov, S.V. Zaitsev-Zotov, M.V. Logunov, S.A. Nikitov, S.S. Safonov, S.G. Chigarev, Generation of Terahertz Radiation Spectra by Radiation Sources Based on Solid-State Micro- and Nanostructures and Detection of Terahertz Spectra, Journal of Communications Technology and Electronics, 63 (2018) 1015-1026.[5] N.I. Fedotov, S.V. Zaitsev-Zotov, Numerical analysis of surface and edge states in slabs, stripes, rods and surface steps of topological insulators, Journal of Physics-Condensed Matter, 30 (2018) 485301.[6] S.G. Zybtsev, V.Y. Pokrovskii, V.F. Nasretdinova, S.V. Zaitsev-Zotov, V.V. Pavlovskiy, A.B. Odobesco, W.W. Pai, M.W. Chu, Y.G. Lin, E. Zupanic, H.J.P. van Midden, S. Sturm, E. Tchernychova, A. Prodan, J.C. Bennett, I.R. Mukhamedshin, O.V. Chernysheva, A.P. Menushenkov, V.B. Loginov, B.A. Loginov, A.N. Titov, M. Abdel-Hafiez, NbS3: A unique quasi-one-dimensional conductor with three charge density wave transitions, Physical Review B, 95 (2017) 035110.[7] A.B. Odobescu, A.A. Maizlakh, N.I. Fedotov, S.V. Zaitsev-Zotov, Electronic correlation effects and Coulomb gap in the Si(111)-(root 3 x root 3)-Sn surface, Physical Review B, 95 (2017) 195151.[8] N.I. Fedotov, S.V. Zaitsev-Zotov, Experimental search for one-dimensional edge states at surface steps of the topological insulator Bi2Se3: Distinguishing between effects and artifacts, Physical Review B, 95 (2017) 155403.[9] N.I. Fedotov, S.V. Zaitsev-Zotov, Energy Gap in Tunneling Spectroscopy: Effect of the Chemical Potential Shift, Jetp Letters, 104 (2016) 800-805.[10] S.V. Zaitsev-Zotov, V.F. Nasretdinova, V.E. Minakova, Charge-density waves physics revealed by photoconduction, Physica B-Condensed Matter, 460 (2015) 174-179.[11] A.B. Odobescu, A.A. Maizlakh, S.V. Zaitsev-Zotov, Electron correlation effects in transport and tunneling spectroscopy of the Si(111)-7 x 7 surface, Physical Review B, 92 (2015) 165313. |