

**Сведения об официальном оппоненте**  
**диссертации Маланчева Константина Леонидовича**  
**«Нестационарные процессы в астрофизических аккреционных дисках»**

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Список основных научных публикаций по специальности «Астрофизика и звездная астрономия» за последние 5 лет:

1. High-mass X-ray binaries in the Milky Way. A closer look with INTEGRAL, Walter, R., et al., *Astronomy and Astrophysics Review*, vol.23, p.2, 2015
2. Population of persistent high-mass X-ray binaries in the Milky Way, Lutovinov, A. A., et al., *Monthly Notices of the Royal Astronomical Society*, vol.431, p.327, 2013
3. A Reflection Model for the Cyclotron Lines in the Spectra of X-Ray Pulsars, Poutanen, J., et al., *The Astrophysical Journal*, vol.777, p.115, 2013
4. Ephemeris, orbital decay, and masses of ten eclipsing high-mass X-ray binaries, Falanga, M., et al., *Astronomy and Astrophysics*, vol.577, p.A130, 2015
5. Deep hard X-ray survey of the Large Magellanic Cloud, Grebenev, S. A., et al., *Monthly Notices of the Royal Astronomical Society*, vol.428, p.50, 2013
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7. Transient X-ray pulsar V 0332+53: pulse-phase-resolved spectroscopy and the reflection model, Lutovinov, A. A., et al., *Monthly Notices of the Royal Astronomical Society*, vol.448, p.2175, 2015
8. NuSTAR Discovery of an Unusually Steady Long-term Spin-up of the Be Binary 2RXP J130159.6-635806, Krivonos, R. A., et al., *The Astrophysical Journal*, vol.809, p.140, 2015
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14. NuSTAR discovery of a cyclotron absorption line in the transient X-ray pulsar 2S 1553-542, Tsygankov, S. S., et al., Monthly Notices of the Royal Astronomical Society, vol.457, p.258, 2016
15. Near-periodical spin period evolution in the binary system LMC X-4, Molkov, S., et al., Monthly Notices of the Royal Astronomical Society, vol.464, p.2039, 2017
16. NuSTAR observations of the supergiant X-ray pulsar IGR J18027-2016: accretion from the stellar wind and possible cyclotron absorption line, Lutovinov, A. A., et al., Monthly Notices of the Royal Astronomical Society, vol.466, p.593, 2017
17. 2S 1553-542: a Be/X-ray binary pulsar on the far side of the Galaxy, Lutovinov, A. A., et al., Monthly Notices of the Royal Astronomical Society, vol.462, p.3823, 2016
18. INTEGRAL/IBIS deep extragalactic survey: M81, LMC and 3C 273/Coma fields, Mereminskiy, I. A., et al., Monthly Notices of the Royal Astronomical Society, vol.459, p.140, 2016
19. Influence of the Galactic Gravitational Field on the Positional Accuracy of Extragalactic Sources, Larchenkova, T. I., Lutovinov, A. A., & Lyskova, N. S., The Astrophysical Journal, vol.835, p.51, 2017

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