

# Сведения по оппонентам и ведущей организации по диссертации Бутузовой Марины Сергеевны

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## Публикации М.В. Баркова, близкие к теме диссертации М.С. Бутузовой:

1. Hirai R., Podsiadlowski P., Hoefflich P., Barkov M. V., Chan C., Liptai D., Nagataki S., “Supernova-induced Binary-interaction-powered Supernovae: A Model for SN2022jli”, *The Astrophysical Journal*, vol. 995, no. 1, Art. no. 55, IOP, 2025. doi:10.3847/1538-4357/ae172e.
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1. Jormanainen J., Hovatta T., Lindfors E., Berdyugin A., Chamani W., Fallah Ramazani V., Jermak H., et al., “The polarisation behaviour of OJ 287 viewed through radio, millimetre, and optical observations between 2015 and 2017”, *Astronomy and Astrophysics*, vol. 694, Art. no. A206, 2025. doi:10.1051/0004-6361/202453009.
2. Lisakov M., Jorstad S., Wielgus M., Kravchenko E. V., Nikonov A. S., Cho I., Issaoun S., et al., “Kilogauss magnetic field and jet dynamics in the quasar NRAO 530”, *Astronomy and Astrophysics*, vol. 693, Art. no. A9, 2025. doi:10.1051/0004-6361/202449636.
3. Shkodkina E. A., Savchenko S. S., Morozova D. A., Jorstad S. G., Borman G. A., Grishina T. S., Kopatskaya E. N., et al., “Polarization Studies in Different Blazar Types. I. Correlation Between Optical Brightness and Polarization Degree”, *Research in Astronomy and Astrophysics*, vol. 25, no. 6, Art. no. 065010, IOP, 2025. doi:10.1088/1674-4527/adcf82.
4. Liodakis I., Chakraborty S., Marin F., Ehlert S. R., Barnouin T., Kouch P. M., Nilsson K., et al., “Detection of Compton Scattering in the Jet of 3C 84”, *The Astrophysical Journal*, vol. 994, no. 1, Art. no. L9, IOP, 2025. doi:10.3847/2041-8213/ae157d.
5. Valtonen M. J., Zola S., Gupta A. C., Kishore S., Gopakumar A., Jorstad S. G., Wiita P. J., et al., “Evidence of Jet Activity from the Secondary Black Hole in the OJ 287 Binary System”, *The Astrophysical Journal*, vol. 968, no. 2, Art. no. L17, IOP, 2024. doi:10.3847/2041-8213/ad4d9b.
6. Savchenko S. S., Morozova D. A., Jorstad S. G., Blinov D. A., Borman G. A., Vasilyev A. A., Grishina T. S., et al., “The Method of Searching for Rotations of the Polarization Position Angle of Quasars”, *Astrophysical Bulletin*, vol. 79, no. 2, Springer, pp. 186–202, 2024. doi:10.1134/S1990341323600394.
7. Marshall H. L., Liodakis I., Marscher A. P., Di Lalla N., Jorstad S. G., Kim D. E., Middei R., et al., “Observations of Low and Intermediate Spectral Peak Blazars with the Imaging X-Ray Polarimetry Explorer”, *The Astrophysical Journal*, vol. 972, no. 1, Art. no. 74, IOP, 2024. doi:10.3847/1538-4357/ad5671.
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10. Di Gesu L., Marshall H. L., Ehlert S. R., Kim D. E., Donnarumma I., Tavecchio F., Liodakis I., et al., “Discovery of X-ray polarization angle rotation in the jet from blazar Mrk 421.”, *Nature Astronomy*, vol. 7, pp. 1245–1258, 2023. doi:10.1038/s41550-023-02032-7.