

**Федеральное государственное автономное образовательное учреждение
высшего образования
«Южный федеральный университет»
ведущая организация по диссертации Кирсановой М.С.**

1. Sharina, M. E.; Maricheva, M. I.; Kniazev, A. Y.; Shimansky, V. V.; Acharova, I. A., Horizontal branch structure, age, and chemical composition for very metal-poor extragalactic globular clusters, *Monthly Notices of the Royal Astronomical Society*, v. 528, p. 7165-7185, 2024
2. Vorster, J. M.; Chibueze, J. O.; Hirota, T.; MacLeod, G. C.; van der Walt, D. J.; Vorobyov, E. I.; Sobolev, A. M.; Juvela, M. Identifying the mechanisms of water maser variability during the accretion burst in NGC6334I, *Astronomy and Astrophysics*, v. 691, p. A157, 2024
3. Meyer, D. M.-A.; Vorobyov, E., The backreaction of stellar wobbling on accretion discs of massive protostars, *Astronomy and Astrophysics*, v. 688, p. A135, 2024
4. Vorobyov, Eduard I.; Skliarevskii, Aleksandr M.; Guedel, Manuel; Molyarova, Tamara, Primordial dust rings, hidden dust mass, and the first generation of planetesimals in gravitationally unstable protoplanetary disks, *Astronomy and Astrophysics*, v. 687, p. A192, 2024
5. Topchieva, A.; Molyarova, T.; Akimkin, V.; Maksimova, L.; Vorobyov, E., Ices on pebbles in protoplanetary discs, *Monthly Notices of the Royal Astronomical Society*, v. 530, p. 2731-2748, 2024
6. Matsukoba, Ryoki; Vorobyov, Eduard I.; Hosokawa, Takashi; Guedel, Manuel, Formation of a wide-orbit giant planet in a gravitationally unstable subsolar-metallicity protoplanetary disc, *Monthly Notices of the Royal Astronomical Society*, v. 526, p. 3933-3934, 2023
7. Gehrig, L.; Vorobyov, E. I., What governs the spin distribution of very young < 1 Myr low-mass stars, *Astronomy and Astrophysics*, v. 673, p. A54, 2023
8. Vorobyov, Eduard I.; McKevitt, James; Kulikov, Igor; Elbakyan, Vardan, Computing the gravitational potential on nested meshes using the convolution method, *Astronomy and Astrophysics*, v. 671, p. A81, 2023
9. Vorobyov, Eduard I.; Elbakyan, Vardan G.; Johansen, Anders; Lambrechts, Michiel; Skliarevskii, Aleksandr M.; Stoyanovskaya, O. P., Formation of pebbles in (gravito-)viscous protoplanetary disks with various turbulent strengths, *Astronomy and Astrophysics*, v. 670, p. A81, 2023

10. Matsukoba, Ryoki; Tanaka, Kei E. I.; Omukai, Kazuyuki; Vorobyov, Eduard I.; Hosokawa, Takashi, Protostellar-disc fragmentation across all metallicities, *Monthly Notices of the Royal Astronomical Society*, v. 515, p. 5506-5522, 2022
11. Liu, Haoyu Baobab; Tsai, An-Li; Chen, Wen Ping; Liu, Jin Zhong; Zhang, Xuan; Ma, Shuo; Elbakyan, Vardan; Green, Joel D.; Hales, Antonio S.; Liu, Sheng-Yuan; Takami, Michihiro; Pérez, Sebastián; Vorobyov, Eduard I.; Yang, Yao-Lun, Millimeter-sized Dust Grains Surviving the Water-sublimating Temperature in the Inner 10 au of the FU Ori Disk, *The Astrophysical Journal*, v. 923, p. 270, 2021
12. Steindl, T.; Zwintz, K.; Barnes, T. G.; Müllner, M.; Vorobyov, E. I., Pulsational instability of pre-main-sequence models from accreting protostars. I. Constraining the input physics for accretion with spectroscopic parameters and stellar pulsations, *Astronomy and Astrophysics*, v. 654, p. A36, 2021
13. Elbakyan, Vardan G.; Nayakshin, Sergei; Vorobyov, Eduard I.; Caratti, Alessio; Eisloffel, Jochen, Accretion bursts in high-mass protostars: A new test bed for models of episodic accretion, *Astronomy and Astrophysics*, v. 651, id.L3, 8 pp., 2021
14. Kadam, Kundan; Vorobyov, Eduard; Kóspál, Ágnes, Eruptive Behavior of Magnetically Layered Protoplanetary Disks in Low-metallicity Environments, *The Astrophysical Journal*, v. 909, p. 31, 2021
15. Vorobyov, Eduard I.; Elbakyan, Vardan G.; Takami, Michihiro; Liu, Haoyu B., Effect of luminosity outbursts on protoplanetary disk dynamics, *Astronomy and Astrophysics*, v. 643, p. A13, 2020