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официальный оппонент по диссертации Рябухиной О.Л.

1. Kalenskii Sergei V., Kaiser Ralf I., Bergman Per, Olofsson A.O.Henrik, Degtyarev Kirill D., Golysheva Polina. Spectral-line Survey of the Region of Massive Star Formation W51e1/e2 in the 4 mm Wavelength Range // *Astrophysical Journal*, 2022, v. 932, № 1, p. 5
2. McGuire B.A., Loomis R.A., Lee K.L.K., Remijan A.J., Burkhardt A.M., McCarthy M.C., Shingledecker C.N., Charnley S.B., Cordiner M.A., Cooke I.R., Herbst E., Willis E.R., Xue C., Siebert M.A., Kalenskii S. Detection of two interstellar polycyclic aromatic hydrocarbons via spectral matched filtering // *Science*. 2021. v. 371. № 6535. p. 1265-1269.
3. Loomis R.A., McGuire B.A., Burkhardt A.M., Lee K.L.K., Remijan A.J., McCarthy M.C., Shingledecker C.N., Charnley S.B., Cordiner M.A., Herbst E., Willis E.R., Xue C., Kalenskii S. An investigation of spectral line stacking techniques and application to the detection of HC11N // *Nature Astronomy*. 2021. V. 5, p. 188-196
4. McCarthy M.C., Lee K.L.K., Burkhardt A.M., McGuire B.A., Loomis R.A., Remijan A.J., Shingledecker C.N., Charnley S.B., Cordiner M.A., Herbst E., Willis E.R., Xue C., Kalenskii S. Interstellar detection of the highly polar five-membered ring cyanocyclopentadiene // *Nature Astronomy*. 2020. V. 5, p. 176-180
5. McGuire B.A., Loomis R.A., Remijan A.J., Burkhardt A.M., Kelvin Lee K.L., McCarthy M.C., Shingledecker C.N., Charnley S.B., Cordiner M.A., Herbst E., Willis E.R., Xue C., Kalenskii S., Momjian E. Early Science from GOTHAM: Project Overview, Methods, and the Detection of Interstellar Propargyl Cyanide (HCCCH<sub>2</sub>CN) in TMC-1 // *The Astrophysical Journal Letters*. 2020. v. 900. № 1. p. L10.
6. Xue C., Willis E.R., Herbst E., Loomis R.A., Remijan A.J., McGuire B.A., Kelvin Lee K.L., Burkhardt A.M., McCarthy M.C., Shingledecker C.N., Charnley S.B., Cordiner M.A., Kalenskii S. Detection of Interstellar HC4NC and an Investigation of Isocyanopolyyne Chemistry under TMC-1 Conditions // *The Astrophysical Journal Letters*. 2020. v. 900. Issue 1, id.L9, 13 pp.
7. Hernández-Hernández, Vicente; Kurtz, Stan; Kalenskii, Sergei ; Golysheva, Polina ; Garay, Guido ; Zapata, Luis; Bergman, Per. APEX Millimeter Observations of Methanol Emission Toward High-mass Star-forming Cores // *The Astronomical Journal*, 2019, V. 158, Issue 1, article id. 18, 12 pp.
8. Burkhardt, A. M.; Herbst, E. ; Kalenskii, S. V. ; McCarthy, M. C. ; Remijan, A. J. ; McGuire, B. A. Detection of HC5N and HC7N Isotopologues in TMC-1 with the Green Bank Telescope // *Monthly Notices of the Royal Astronomical Society*, 2018, V. 474, Issue 4, p.5068-5075