



Projekta Izp-2020/1-0088 rezultāti

Zvaigžņu vēlo evolūcijas stadiju pētījumi izmantojot spektroskopijas jaunākās metodes un instrumentus

Oriģināli zinātniskie raksti, kas publicēti zinātniskos žurnālos, rakstu krājumos vai konferenču rakstu krājumos, kuri ir indeksēti datu bāzēs Web of Science Core Collection, SCOPUS vai ERIH PLUS

1. Začs L.; Puķītis K. Short-term spectroscopic variability of the early post-AGB stage star IRAS22272+5435. - The Astrophysical Journal., 2021 <https://doi.org/10.3847/1538-4357/ac1671>
2. Puķītis K.; Začs L.; Grankina A. Multi-epoch optical spectroscopy of the post-AGB star HD161796. - The Astrophysical Journal, 2021, <https://doi.org/10.3847/1538-4357/ac4bc8>
3. Parlataan S.; Öztürk I.K.; Başar G.; Ferber R.; Kröger S. Experimental investigation of the hyperfine structure of Tm I with Fourier transform spectroscopy, part A: In the visible wavelength range from (400 - 700 nm). - Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, <https://doi.org/10.1016/j.jqsrt.2022.108195>
4. Kebapci T.Y.; Sert S.; Parlataan S.; Öztürk I.K.; Başar G.; Başar G.; Tamanis T.; Kröger S. Experimental investigation of the hyperfine structure of Tm I with Fourier transform spectroscopy part B: In the NIR wavelength range from 700 nm to 2250 nm. - Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, <https://doi.org/10.1016/j.jqsrt.2022.108196>
5. Puķītis K.; Začs L.; Sperauskas J. Episodes of Molecular Emission in the Optical Spectrum of IRAS 22272+5435. - The Astrophysical Journal, 2022 <https://doi.org/10.3847/1538-4357/acc52b>
6. Začs L.; Puķītis K. Pulsation-induced Spectroscopic Variability of IRAS Z02229+6208. - The Astrophysical Journal, 2023, <https://doi.org/10.3847/1538-4357/acdcfe>
7. Bondarev A.I.; Tamanis M.; Ferber R.; Basar G.; Kroger S.; Kozlo M.G.; Fritzsche S. Comparison of theory and experiment for radiative characteristics in neutral thulium. - Phys. Rev. A, 2024, <https://doi.org/10.1103/PhysRevA.109.012815>
8. Puķītis K.; Korenika K. Spectroscopy of a Sample of RV Tauri Stars Without IR Excess. - Galaxies, 2024, <https://doi.org/10.3390/galaxies12060073>
9. Začs L.; Puķītis K. Variability of physical parameters of IRAS 22272+5435 during the pulsation cycle. - Journal of Astrophysics and Astronomy, 2025, <https://doi.org/10.1007/s12036-024-10037-5>



Aizstāvēts promocijas darbs projekta tematikā

1. Puķītis K.; vadītājs Začs L. Monitoring of evolutionary and dynamic processes in high resolution spectra of the early postasymptotic giant branch stars Promocijas darbs. - 2023