

Appendix: First author publications

For copyright reasons, the online version only attaches a link to the publications on which this thesis is based. The printed version attaches the full articles.

ADS library:

https://ui.adsabs.harvard.edu/public-libraries/WpagnToGQ_udVA0zu777IA

1. **Yan**, Jeřábková, and Kroupa A&A in print, arXiv:2107.03388
“Downsizing revised: Longer star formation timescales for elliptical galaxies with an environment-dependent IMF and number of SNIa”
2. **Yan**, Jeřábková, and Kroupa A&A, 637, A68 (2020).
“Chemical evolution of ultra-faint dwarf galaxies in the self-consistently calculated integrated galactic IMF theory”
3. **Yan**, Jeřábková, and Kroupa A&A, 632, A110 (2019).
“The star formation timescale of elliptical galaxies. Fitting [Mg/Fe] and total metallicity simultaneously”
4. **Yan**, Jeřábková, Kroupa and Vazdekis A&A, 629, A93 (2019).
“Chemical evolution of elliptical galaxies with a variable IMF. A publicly available code”
5. **Yan**, Jeřábková, and Kroupa A&A, 607, A126 (2017).
“The optimally sampled galaxy-wide stellar initial mass function. Observational tests and the publicly available GalIMF code”