DAFTAR PUSTAKA

Addari, F., Marigo, P., Bressan, A., Costa, G., Shepherd, K., & Volpato, G. (2025). The Role of the Third Dredge-up and Mass Loss in Shaping the Initial–Final Mass Relation of White Dwarfs. *The Astrophysical Journal*, *964*(1), 51. https://doi.org/10.3847/1538-4357/ad2067

Althaus, L. G., Serenelli, A. M., & Benvenuto, O. G. (2001). Formation and Evolution of a 0.242 M⊙ Helium White Dwarf in the Presence of Element Diffusion. *The Astrophysical Journal*, *554*(2), 1110. https://doi.org/10.1086/321414

Anders, E. H., & Pedersen, M. G. (2023). Convective Boundary Mixing in Main-Sequence Stars: Theory and Empirical Constraints. *Galaxies*, *11*(2), 56. https://doi.org/10.3390/galaxies11020056

Blöcker, T. (2001). Evolution on the AGB and beyond: on the formation of H-deficient post-AGB stars. *Astrophysics and Space Science*, *275*(1), 1–14. https://doi.org/10.1023/A:1002777931450

Bono, G., Braga, V. F., Fiorentino, G., Salaris, M., Pietrinferni, A., Castellani, M.,…Monelli, M. (2020). Evolutionary and pulsation properties of Type 2 Cepheids [10.1051/0004-6361/202038191]. *A&A*, *644*.

Constantino, T., Campbell, S., Gil-Pons, P., & Lattanzio, J. (2014). ON THE NECESSITY OF COMPOSITION-DEPENDENT LOW-TEMPERATURE OPACITY IN MODELS OF METAL-POOR ASYMPTOTIC GIANT BRANCH STARS. *The Astrophysical Journal*, *784*(1), 56. https://doi.org/10.1088/0004-637X/784/1/56

den Hartogh, J. W., Hirschi, R., Lugaro, M., Doherty, C. L., Battino, U., Herwig, F.,…Eggenberger, P. (2019). The s process in rotating low-mass AGB stars [10.1051/0004-6361/201935476]. *A&A*, *629*.

Fadeyev, Y. A. (2019). Evolution and Pulsations of Population I Post-AGB Stars. *Astronomy Letters*, *45*(8), 521-527. https://doi.org/10.1134/S1063773719080024

Gao, Y., Bao, M., Yuan, Q., Kong, X., Zou, H., Zhou, X.,…Huang, C. (2018). Mass–Metallicity Relation and Fundamental Metallicity Relation of Metal-poor Star-forming Galaxies at $0.6 < Z < 0.9$ from the eBOSS Survey. *The Astrophysical Journal*, *869*(1), 15. https://doi.org/10.3847/1538-4357/aae9ef

Habing, H. J., & Olofsson, H. (2004). AGB Stars: History, Structure, and Characteristics. In H. J. Habing & H. Olofsson (Eds.), *Asymptotic Giant Branch Stars* (pp. 1-21). Springer New York. https://doi.org/10.1007/978-1-4757-3876-6_1

Hambleton, K., Fuller, J., Thompson, S., Prša, A., Kurtz, D. W., Shporer, A., Isaacson, H., Howard, A. W., Endl, M., Cochran, W., & Murphy, S. J. (2018). KIC 8164262: a heartbeat star showing tidally induced pulsations with resonant locking. *Monthly Notices of the Royal Astronomical Society*, *473*(4), 5165–5176. https://doi.org/10.1093/mnras/stx2673

Herwig, F. (2000). The evolution of AGB stars with convective overshoot. *arXiv preprint astro-ph/0007139*.

Höfner, S. (2012). Fresh light on stardust. *Nature*, *484*(7393), 172–173. https://doi.org/10.1038/484172a

Höfner, S., & Olofsson, H. (2018). Mass loss of stars on the asymptotic giant branch. *The Astronomy and Astrophysics Review*, *26*(1), 1. https://doi.org/10.1007/s00159-017-0106-5

Höfner, S., & Freytag, B. (2020). Explaining the winds of AGB stars: Recent progress. *Proceedings of the International Astronomical Union*, *16*(S366), 165-172. https://doi.org/10.1017/S1743921322000199

Jermyn, A. S., Bauer, E. B., Schwab, J., Farmer, R., Ball, W. H., Bellinger, E. P.,…Timmes, F. X. (2023). Modules for Experiments in Stellar Astrophysics (MESA): Time-dependent Convection, Energy Conservation, Automatic Differentiation, and Infrastructure. *The Astrophysical Journal Supplement Series*, *265*(1), 15. https://doi.org/10.3847/1538-4365/acae8d

Jones, E. F., & Gore, P. M. (2015). Modelling the evolution of solar-mass stars with a range of metallicities using MESA. *EPJ Web of Conferences*, *93*, 03011.

Kamath, D., & Van Winckel, H. (2022). Post-AGB Stars as Tracers of AGB Nucleosynthesis: An Update. *Universe*, *8*(4).

Kashino, D., Lilly, S. J., Renzini, A., Daddi, E., Zamorani, G., Silverman, J. D.,…Sanders, D. B. (2022). The Stellar Mass versus Stellar Metallicity Relation of Star-forming Galaxies at $1.6 \leq z \leq 3.0$ and Implications for the Evolution of the α-enhancement. *The Astrophysical Journal*, *925*(1), 82. https://doi.org/10.3847/1538-4357/ac399e

Lamers, H. J. G. L. M., & Cassinelli, J. P. (1999). *Introduction to Stellar Winds*. Cambridge University Press. https://doi.org/DOI:10.1017/CBO9781139175012

Lamers, H. J. G. L. M., & M. Levesque, E. (2017). *Understanding Stellar Evolution*. IOP Publishing. https://doi.org/10.1088/978-0-7503-1278-3

Lattanzio, J. C. (1993, 1993//). The Third Dredge-Up: Status and Problems. Planetary Nebulae, Dordrecht.

Lawlor, T. M. (2023). A closer look at low-mass post-AGB late thermal pulses. *Monthly Notices of the Royal Astronomical Society*, *519*(4), 5373–5383. https://doi.org/10.1093/mnras/stad042

LeBlanc, F. (2010). An Introduction to Stellar Astrophysics. *An Introduction to Stellar Astrophysics by Francis LeBlanc. Wiley, 2010. ISBN: 978-0-470-69956-0*.

Lederer, M. T., & Aringer, B. (2009). Low-temperature Rosseland opacities with varied abundances of carbon and nitrogen. *Astronomy and Astrophysics*, *494*, 403-416. https://doi.org/10.1051/0004-6361:200810576

Lee, A. J. (2023). Carbon Stars as Standard Candles: An Empirical Test for the Reddening, Metallicity, and Age Sensitivity of the J-region Asymptotic Giant Branch (JAGB) Method. *The Astrophysical Journal*, *956*(1), 15. https://doi.org/10.3847/1538-4357/acee69

Limongi, M., Roberti, L., Chieffi, A., & Nomoto, K. i. (2025). Evolution and Final Fate of Solar Metallicity Stars in the Mass Range 7–15 $M_\odot$. I. The Transition from Asymptotic Giant Branch to Super-AGB Stars, Electron Capture, and Core-collapse Supernova Progenitors. *The Astrophysical Journal Supplement Series*, *270*(2), 29. https://doi.org/10.3847/1538-4365/ad12c1

Marigo, P. (2022). The Initial-Final Mass Relation of White Dwarfs: A Tool to Calibrate the Third Dredge-Up. *Universe*, *8*(4), 243. https://doi.org/10.3390/universe8040243

Marigo, P., & Aringer, B. (2009). Low-temperature gas opacity. ÆSOPUS: a versatile and quick computational tool. *Astronomy and Astrophysics*, *508*, 1539-1569. https://doi.org/10.1051/0004-6361/200912598

Marigo, P., Bressan, A., & Chiosi, C. (1998). *TP-AGB stars with envelope burning*. *331*, 564–580. https://doi.org/10.48550/arXiv.astro-ph/9710093

Miller Bertolami, M. M. (2016). New models for the evolution of post-asymptotic giant branch stars and central stars of planetary nebulae⋆ [10.1051/0004-6361/201526577]. *A&A*, *588*.Padoan, P., Haugbølle, T., &

Negara, A. A. P., Putra, M., Hasanah, N., & Surungan, T. (2023). Studi laju kehilangan massa pada evolusi bintang maharaksasa merah. *Prosiding Seminar Nasional Fisika*, *2*(1), 466–476.

Padoan, P., Haugbølle, T., & Nordlund, Å. (2012). A simple law of star formation. *The Astrophysical Journal Letters*, *759*(2), L27.

Palmerini, S. (2023). Basic Stellar Physics [10.1051/epjconf/202327501011]. *EPJ Web Conf.*, *275*.

Paxton, B. (2004). EZ to Evolve ZAMS Stars: A Program Derived from Eggleton's Stellar Evolution Code. *Publications of the Astronomical Society of the Pacific*, *116*, 699-701. https://doi.org/10.1086/422345

Paxton, B., Bildsten, L., Dotter, A., Herwig, F., Lesaffre, P., & Timmes, F. (2011). MODULES FOR EXPERIMENTS IN STELLAR ASTROPHYSICS (MESA). *The Astrophysical Journal Supplement Series*, *192*(1), 3. https://doi.org/10.1088/0067-0049/192/1/3

Paxton, B., Cantiello, M., Arras, P., Bildsten, L., Brown, E. F., Dotter, A.,…Townsend, R. (2013). MODULES FOR EXPERIMENTS IN STELLAR ASTROPHYSICS (MESA): PLANETS, OSCILLATIONS, ROTATION, AND MASSIVE STARS. *The Astrophysical Journal Supplement Series*, *208*(1), 4. https://doi.org/10.1088/0067-0049/208/1/4

Paxton, B., Marchant, P., Schwab, J., Bauer, E. B., Bildsten, L., Cantiello, M.,…Timmes, F. X. (2015). MODULES FOR EXPERIMENTS IN STELLAR ASTROPHYSICS (MESA): BINARIES, PULSATIONS, AND EXPLOSIONS. *The Astrophysical Journal Supplement Series*, *220*(1), 15. https://doi.org/10.1088/0067-0049/220/1/15

Paxton, B., Schwab, J., Bauer, E. B., Bildsten, L., Blinnikov, S., Duffell, P.,…Timmes, F. X. (2018). Modules for Experiments in Stellar Astrophysics (MESA): Convective Boundaries, Element Diffusion, and Massive Star Explosions. *The Astrophysical Journal Supplement Series*, *234*(2), 34. https://doi.org/10.3847/1538-4365/aaa5a8

Paxton, B., Smolec, R., Schwab, J., Gautschy, A., Bildsten, L., Cantiello, M.,…Timmes, F. X. (2019). Modules for Experiments in Stellar Astrophysics (MESA): Pulsating Variable Stars, Rotation, Convective Boundaries, and Energy Conservation. *The Astrophysical Journal Supplement Series*, *243*(1), 10. https://doi.org/10.3847/1538-4365/ab2241

Rees, N. R., Izzard, R. G., & Karakas, A. I. (2023). Thermal pulses with mesa: resolving the third dredge-up. *Monthly Notices of the Royal Astronomical Society*, *527*(4), 9643-9654. https://doi.org/10.1093/mnras/stad3690

Rogers, F. J., & Nayfonov, A. (2002). Updated and Expanded OPAL Equation-of-State Tables: Implications for Helioseismology. *The Astrophysical Journal*, *576*(2), 1064. https://doi.org/10.1086/341894

Salaris, M., Weiss, A., Cassarà, L. P., Piovan, L., & Chiosi, C. (2014). Detailed AGB evolutionary models and near-infrared colours of intermediate-age stellar populations: tests on star clusters. *A&A*, *565*, A9.

Timmes, F. X., & Swesty, F. D. (2000). The Accuracy, Consistency, and Speed of an Electron-Positron Equation of State Based on Table Interpolation of the Helmholtz Free Energy. *The Astrophysical Journal Supplement Series*, *126*(2), 501. https://doi.org/10.1086/313304

Tosi, S., Dell'Agli, F., Huerta-Martinez, E., & Ventura, P. (2022). Dust Formation in the Wind of AGB Stars—The Effects of Mass, Metallicity and Gas-Dust Drift. *Universe*, *8*(5).

Tyson, N. G., & Goldsmith, D. (2005). *Origins: Fourteen Billion Years of Cosmic Evolution*. W. W. Norton. https://books.google.co.id/books?id=m0_LGjZkxpQC

Uttenthaler, S., McDonald, I., Bernhard, K., Cristallo, S., & Gobrecht, D. (2019). Interplay between pulsation, mass loss, and third dredge-up: More about Miras with and without technetium⋆ [10.1051/0004-6361/201833794]. *A&A*, *622*.

Vassiliadis, E., & Wood, P. R. (1993). Evolution of Low- and Intermediate-Mass Stars to the End of the Asymptotic Giant Branch with Mass Loss. *The Astrophysical Journal*, *413*, 641. https://doi.org/10.1086/173033

Vassiliadis, E., & Wood, P. R. (1992). The Effect of Helium Shell Flashes on Asymptotic Giant Branch Evolution. *Publications of the Astronomical Society of Australia*, *10*(1), 30–32. https://doi:10.1017/S1323358000019172

Wolf, W. M., Schwab, J., Farmer, R., & Bauer, E. B. (2023). Testing Modules for Experiments in Stellar Astrophysics (MESA). *The Astrophysical Journal Supplement Series*, *269*(2), 50. https://doi.org/10.3847/1538-4365/acffbf