

Oggetto: rinnovo dottorato XXIX ciclo

**10 MIGLIORI PUBBLICAZIONI anni 2008-2012 dei
MEMBRI del COLLEGIO DOCENTI
del dottorato di ricerca in
ASTRONOMIA-ASTRONOMY, ASTROPHYSICS AND SPACE SCIENCE**

Oscar STRANIERO

1. Lugaro, M., de Mink, S. E., Izzard, R. G., Campbell, S. W., Karakas, A. I., Cristallo, S., Pols, O. R., Lattanzio, J. C., Straniero, O., Gallino, R., Beers, T. C. "Fluorine in carbon-enhanced metal-poor stars: a binary scenario" *Astronomy and Astrophysics*, 484, L27 (2008).
2. Lebzelter, T., Lederer, M. T., Cristallo, S., Hinkle, K. H., Straniero, O., Aringer, B. "AGB stars of the intermediate-age LMC cluster NGC 1846. II. Dredge up along the AGB" *Astronomy and Astrophysics*, 486, 511 (2008).
3. Marta, M., Formicola, A., Gyrky, G., Bemmerer, D., Broggini, C., Caciolli, A., Corvisiero, P., Costantini, H., Elekes, Z., Foulop, Z., Gervino, G., Guglielmetti, A., Gustavino, C., Imbriani, G., Junker, M., Kunz, R., Lemut, A., Limata, B., Mazzocchi, C., Menegazzo, R., Prati, P., Roca, V., Rolfs, C., Romano, M., Alvarez, C. R., Somorjai, E., Straniero, O., Strieder, F., Terrasi, F., Trautvetter, H. P., Vomiero, A. "Precision study of ground state capture in the $^{14}\text{N}(\text{p},\gamma)^{15}\text{O}$ reaction" *Physical Review C*, 78, 022802 (2008).
4. Abia, C., Recio-Blanco, A., de Laverny, P., Cristallo, S., Dominguez, I., Straniero, O. "Fluorine in Asymptotic Giant Branch Carbon Stars Revisited" *The Astrophysical Journal*, 694, 971 (2009).
5. Cristallo, S., **Straniero, O.**, Gallino, R., Piersanti, L., Dominguez, I., Lederer, M. T. "Evolution, Nucleosynthesis, and Yields of Low-Mass Asymptotic Giant Branch Stars at Different Metallicities" *The Astrophysical Journal*, 696, 797 (2009).
6. Bravo, E., Dominguez, I., Badenes, C., Piersanti, L., Straniero, O. "Metallicity as a Source of Dispersion in the SNIa Bolometric Light Curve Luminosity-Width Relationship" *The Astrophysical Journal*, 711, L66 (2010).
7. Bisterzo, S., Gallino, R., Straniero, O., Cristallo, S., Kappeler, F. "s-Process in low-metallicity stars - I. Theoretical predictions" *Monthly Notices of the Royal Astronomical Society*, 404, 1529 (2010).
8. Abia, C., Cunha, K., Cristallo, S., de Laverny, P., Dominguez, I., Eriksson, K., Gialanella, L., Hinkle, K., Imbriani, G., Recio-Blanco, A., Smith, V. V., Straniero, O., Wahlin, R. "Fluorine Abundances in Galactic Asymptotic Giant Branch Stars" *The Astrophysical Journal*, 715, L94 (2010).
9. Busso, M., Palmerini, S., Maiorca, E., Cristallo, S., Straniero, O., Abia, C., Gallino, R., La Cognata, M. "On the Need for Deep-mixing in Asymptotic Giant Branch Stars of Low Mass" *The Astrophysical Journal*, 717, L47 (2010).
10. Strieder, F., Limata, B., Formicola, A., Imbriani, G., Junker, M., Bemmerer, D., Best, A., Broggini, C., Caciolli, A., Corvisiero, P., Costantini, H., DiLeva, A., Elekes, Z., Foulop, Z., Gervino, G., Guglielmetti, A., Gustavino, C., Gyrky, G., Lemut, A., Marta, M., Mazzocchi, C., Menegazzo, R., Prati, P., Roca, V., Rolfs, C., Rossi Alvarez, C., Somorjai, E., Straniero, O., Terrasi, F., Trautvetter, H. P. "The $^{25}\text{Mg}(\text{p},\gamma)^{26}\text{Al}$ reaction at low astrophysical energies", *Physics Letters B*, 707, 60 (2012).