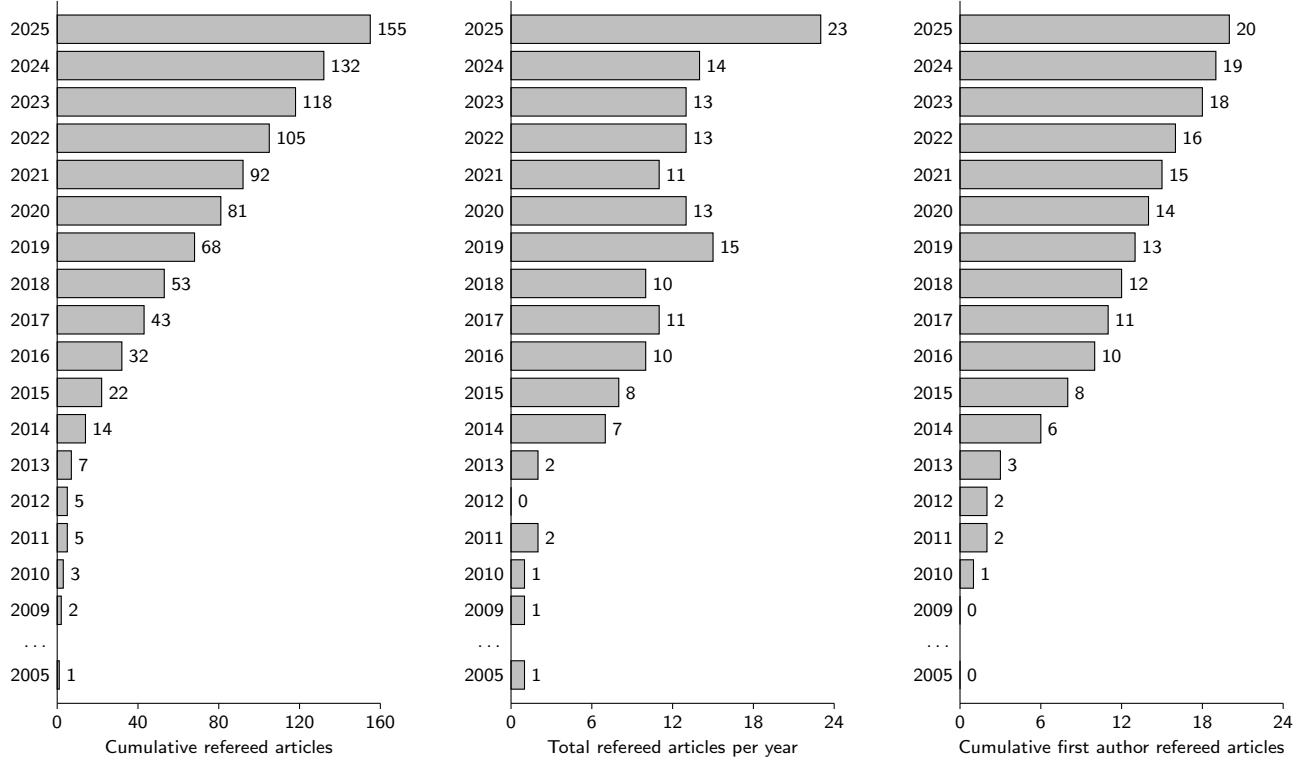


## Refereed articles

Total: 155 publications (incl. 20 first, 15 second, 18 third, and 16 fourth author articles)



## First Author (★ for relevant non-refereed publications)

**20. Placco, V. M.**, Limberg, G., Chiti, A., Prabhu, D. S., Ji, A. P., Barbosa, F. O., Cerny, W., Pace, A. B., Stringfellow, G. S., Sand, D. J., Martínez-Vázquez, C. E., Riley, A. H., Rossi, S., Noël, N. E. D., Vivas, A. K., Medina, G. E., Drlica-Wagner, A., Sakowska, J. D., Mutlu-Pakdil, B., Massana, P., Carballo-Bello, J. A., Choi, Y., Crnojević, D., Tan, C. Y.

*The DECam MAGIC Survey: Spectroscopic Follow-up of the Most Metal-Poor Stars in the Distant MW Halo*

**2025**, *The Astrophysical Journal*, vol. 991, 101 ([ADS](#))

**19. Placco, V. M.**, Gupta, A. F., Almeida-Fernandes, F., Logsdon, S. E., Rajagopal, J., Holmbeck, E. M., Roederer, I. U., Della Costa, J., Fernandez, P., Golub, E., Higuera, J., Patel, Y., Ridgway, S., Schweiker, H.

*BD+44°493: Chemo-Dynamical Analysis and Constraints on Companion Planetary Masses from WIYN/NEID Spectroscopy*

**2024**, *The Astrophysical Journal*, vol. 977, 12 ([ADS](#))

★ **Placco, V. M.**, Herrera, D., Merino, B. M., Hirst, P., Labrie, K., Simpson, C., Turner, J., Vacca, W. D., Deibert, E., Diaz, R., Heo, J., Kalari, V., Reggiani, H., Rodriguez, C., Ruiz-Carmona, R., Thomas-Osip, J.

*GHOST Reduced Data Products for the Gemini Observatory Community and Beyond*

**2024**, *Research Notes of the American Astronomical Society*, vol. 8, 12 ([ADS](#))

**18. Placco, V. M.**, Almeida-Fernandes, F., Holmbeck, E. M., Roederer, I. U., Mardini, M. K., Hayes, C. R., Venn, K., Chiboucas, K., Deibert, E., Gamen, R., Heo, J., Jeong, M., Kalari, V., Martioli, E., Xu, S., Diaz, R., Gomez-Jimenez, M., Henderson, D., Prado, P., Quiroz, C., Ruiz-Carmona, R., Simpson, C., Urrutia, C., McConnachie, A. W., Pazder, J., Burley, G., Ireland, M., Waller, F., Berg, T. A. M., Robertson, J. G., Hartman, Z., Jones, D. O., Labrie, K., Perez, G., Ridgway, S., Thomas-Osip, J.

*SPLUS J142445.34–254247.1: An R-Process Enhanced, Actinide-Boost, Extremely Metal-Poor star observed*

- with *GHOST*  
**2023**, *The Astrophysical Journal*, vol. 959, 60 ([ADS](#))
- 17.** [Placco, V. M.](#) & Stanghellini, L.  
*US National Gemini Office in the NOIRLab era*  
**2023**, *Journal of Astronomical Telescopes, Instruments, and Systems*, vol. 9, 7003 ([ADS](#))
- 16.** [Placco, V. M.](#), Almeida-Fernandes, F., Arentsen, A., Lee, Y. S., Schoenell, W., Ribeiro, T., Kanaan, A.  
*Mining S-PLUS for Metal-Poor Stars in the Milky Way*  
**2022**, *The Astrophysical Journal Supplement Series*, vol. 262, 8 ([ADS](#))
- 15.** [Placco, V. M.](#), Roederer, I. U., Lee, Y. S., Almeida-Fernandes, F., Herpich, F. R., Perottoni, H. D., Schoenell, W., Ribeiro, T., Kanaan, A.  
*SPLUS J210428.01–004934.2: An Ultra Metal-Poor Star Identified from Narrow-Band Photometry*  
**2021**, *The Astrophysical Journal Letters*, vol. 912, 32 ([ADS](#))
- ★ [Placco, V. M.](#), Sneden, C., Roederer, I. U., Lawler, J. E., Den Hartog, E. A., Hejazi, N., Maas, Z., Bernath, P.  
*linemake: an Atomic and Molecular Line List Generator*  
**2021**, *Research Notes of the American Astronomical Society*, vol. 5, 92 ([ADS](#) — [PDF](#))
- 14.** [Placco, V. M.](#), Santucci, R. M., Yuan, Z., Mardini, M. K., Holmbeck, E. M., Wang, X., Surman, R., Hansen, T., Roederer, I. U., Beers, T., Choplin, A., Ji, A., Ezzeddine, R., Frebel, A., Sakari, C., Whitten, D., Zepeda, J.  
*The R-Process Alliance: The Peculiar Chemical Abundance Pattern of RAVE J183013.5–455510*  
**2020**, *The Astrophysical Journal*, vol. 897, 78 ([ADS](#))
- 13.** [Placco, V. M.](#), Santucci, R. M., Beers, T. C., Chanamé, J., Sepúlveda, M. P., Coronado, J., Rossi, S., Lee, Y. S., Starkenburg, E., Youakim, K., Barrientos, M., Ezzeddine, R., Frebel, A., Hansen, T. T., Holmbeck, E. M., Ji, A. P., Rasmussen, K. C., Roederer, I. U., Sakari, C. M., Whitten, D. D.  
*The R-Process Alliance: Spectroscopic Follow-up of 857 Low-Metallicity Star Candidates from the Best & Brightest Survey*  
**2019**, *The Astrophysical Journal*, vol. 870, 122 ([ADS](#))
- 12.** [Placco, V. M.](#), Beers, T. C., Santucci, R. M., Chanamé, J., Sepúlveda, M. P., Coronado, J., Points, S. D., Kaleida, C. C., Rossi, S., Kordopatis, G., Lee, Y. S., Matijević, G., Frebel, A., Hansen, T. T., Holmbeck, E. M., Rasmussen, K. C., Roederer, I. U., Sakari, C. M., Whitten, D. D.  
*Spectroscopic Validation of Low-Metallicity Stars from RAVE*  
**2018**, *The Astronomical Journal*, vol. 155, 256 ([ADS](#))
- 11.** [Placco, V. M.](#), Holmbeck, E. M., Frebel, A., Beers, T. C., Surman, R. A., Ji, A. P., Ezzeddine, R., Points, S. D., Kaleida, C. C., Hansen, T. T., Sakari, C. M., Casey, A. R.  
*RAVE J203843.2–002333: The First Highly R-process-enhanced Star Identified in the RAVE Survey.*  
**2017**, *The Astrophysical Journal*, vol. 844, 18 ([ADS](#))
- 10.** [Placco, V. M.](#), Frebel, A., Beers, T. C., Yoon, J., Chiti, A., Heger, A., Chan, C., Casey, A. R., Christlieb, N.  
*Observational Constraints on First-Star Nucleosynthesis. II. Spectroscopy of an Ultra Metal-Poor CEMP-no Star*  
**2016**, *The Astrophysical Journal*, vol. 833, 21 ([ADS](#))
- 9.** [Placco, V. M.](#), Beers, T. C., Reggiani, H., Meléndez, J.  
*G64–12 and G64–37 are Carbon-Enhanced Metal-Poor Stars*  
**2016**, *The Astrophysical Journal Letters*, vol. 829, 24 ([ADS](#))
- 8.** [Placco, V. M.](#), Beers, T. C., Ivans, I. I., Filler, D., Imig, J. A., Roederer, I., Abate, C., Hansen, T., Cowan, J., Frebel, A., Lawler, J. E., Schatz, H., Sneden, C., Sobek, J., Aoki, W., Smith, V. V., Bolte, M.  
*Hubble Space Telescope Near-Ultraviolet Spectroscopy of the Bright CEMP-s Stars*  
**2015**, *The Astrophysical Journal*, vol. 812, 109 ([ADS](#))

7. [Placco, V. M.](#), Frebel, A., Lee, Y. S., Jacobson, H. R., Beers, T. C., Pena, J. M., Chan, C., Heger, A.  
*Metal-poor Stars Observed with the Magellan Telescope. III. New Extremely and Ultra Metal-Poor Stars from SDSS/SEGUE and Insights on the Formation of Ultra Metal-Poor Stars*  
**2015**, *The Astrophysical Journal*, vol. 809, 136 ([ADS](#))
6. [Placco, V. M.](#), Beers, T. C., Frebel, A., Stancliffe R.  
*Carbon-Enhanced Metal-Poor Star Frequencies in the Galaxy: Corrections for the Effect of Evolutionary Status on Carbon Abundances*  
**2014**, *The Astrophysical Journal*, vol. 797, 21 ([ADS](#))
5. [Placco, V. M.](#), Beers, T. C., Roederer, I., Cowan, J., Frebel, A., Filler, D., Ivans, I. I., Lawler, J. E., Schatz, H., Sneden, C., Sobek, J., Aoki, W., Smith, V. V.  
*Hubble Space Telescope Near-Ultraviolet Spectroscopy of the Bright CEMP-no Star BD+44° 493*  
**2014**, *The Astrophysical Journal*, vol. 790, 34 ([ADS](#))
4. [Placco, V. M.](#), Frebel, A., Beers, T. C., Christlieb, N., Lee, Y. S., Kennedy, C. R., Rossi, S., Santucci, R.  
*Metal-poor Stars Observed with the Magellan Telescope. II. Discovery of Four Stars with  $[Fe/H] \leq -3.5$*   
**2014**, *The Astrophysical Journal*, vol. 781, 40 ([ADS](#))
3. [Placco, V. M.](#), Frebel A., Beers T. C., Karakas A., Kennedy C. R., Rossi S., Christlieb N., Stancliffe R.  
*Metal-Poor Stars Observed with the Magellan Telescope I. Constraints on Progenitor Mass and Metallicity of AGB Stars Undergoing s-Process Nucleosynthesis*  
**2013**, *The Astrophysical Journal*, vol. 770, 104 ([ADS](#))
2. [Placco, V. M.](#), Kennedy C.R., Beers T.C., Christlieb N., Rossi S., Sivarani T., Lee Y.S., Reimers D., Wisotzki L.  
*Searches for Metal-Poor Stars from the Hamburg/ESO Survey using the CH G-band*  
**2011**, *The Astronomical Journal*, vol. 142, 188 ([ADS](#))
1. [Placco, V. M.](#), Kennedy C.R., Rossi S., Beers T.C., Lee Y.S., Christlieb N., Sivarani T., Reimers D., Wisotzki L.  
*A Search for Unrecognized Carbon-Enhanced Metal-Poor Stars in the Galaxy*  
**2010**, *The Astronomical Journal*, vol. 139, 1051 ([ADS](#))

## Second Author (★ for relevant non-refereed publications)

15. Roederer, I. U., [Placco, V. M.](#), Karakas, A. I., Den Hartog, E. A., Beers, T. C.  
*Abundances of Rarely Detected s-process Elements Derived from the Ultraviolet Spectrum of the s-process-enhanced Metal-poor Star HD 196944*  
**2025**, *The Astrophysical Journal*, vol. 995, 2 ([ADS](#))
14. Limberg, G., [Placco, V. M.](#), Ji, A. P., Yao, Y., Chiti, A., Mardini, M. K., Frebel, A., Rossi, S.  
*Discovery of an  $[Fe/H] \sim -4.8$  Star in Gaia XP Spectra*  
**2025**, *The Astrophysical Journal Letters*, vol. 989, 18 ([ADS](#))
- ★ Fitzpatrick, M., [Placco, V. M.](#), Bolton, A., Merino, B., Ridgway, S., Stanghellini, L.  
*Modernizing IRAF to Support Gemini Data Reduction*  
**2025**, *Astronomical Data Analysis Software & Systems XXXIII* ([ADS](#))
13. Perottoni, H. D., [Placco, V. M.](#), Almeida-Fernandes, F., Herpich, F. R., Rossi, S., Beers, T., Smiljanic, R., Amarante, J., Limberg, G., Werle, A., Rocha-Pinto, H., Beraldo e Silva, L., Daflon, S., Alvarez-Candal, A., Schoenell, W., Ribeiro, T., Kanaan, A.  
*The S-PLUS Ultra-Short Survey: First Data Release*  
**2024**, *Astronomy & Astrophysics*, vol. 691, 138 ([ADS](#))
12. Almeida-Fernandes, F., [Placco, V. M.](#), Rocha-Pinto, H. J., Borges Fernandes, M., Limberg, G., Beraldo e Silva, L., Amarante, J., Perottoni, H. D., Overzier, R., Schoenell, W., Ribeiro, T., Kanaan, A., Mendes de Oliveira, C.  
*Chemodynamical Properties and Ages of Metal-Poor Stars in S-PLUS*  
**2023**, *Monthly Notices of the Royal Astronomical Society*, vol. 523, 2934 ([ADS](#))

11. Arentsen, A., **Placco, V. M.**, Lee, Y. S., Aguado, D. S., Martin, N. F., Starkenburg, E., Yoon, J.  
*On the inconsistency of  $[C/Fe]$  abundances and the fractions of carbon-enhanced metal-poor stars among various stellar surveys*  
**2022**, *Monthly Notices of the Royal Astronomical Society*, vol. 515, 4082 ([ADS](#))
10. Whitten, D. D., **Placco, V. M.**, Beers, T., An, D., Lee, Y. S., Almeida-Fernandes, F., Herpich, F., Daflon, S., Barbosa, C., Perottoni, H., Rossi, S., Tissera, P., Yoon, J., Schoenell, W., Ribeiro, T., Kanaan, A., Youakim, K.  
*The Photometric Metallicity and Carbon Distributions of the Milky Way's Halo and Solar Neighborhood from S-PLUS Observations of SDSS Stripe 82*  
**2021**, *The Astrophysical Journal*, vol. 912, 147 ([ADS](#))
9. Mardini, M. K., **Placco, V. M.**, Meiron, Y., Ishchenko, M., Avramov, B., Mazzarini, M., Berczik, P., Arca Sedda, M., Beers, T. C., Frebel, A., Taani, A., Donnari, M., Al-Wardat, M. A., Zhao, G.  
*Cosmological Insights into the Early Accretion of r-Process-Enhanced stars. I. A Comprehensive Chemodynamical Analysis of LAMOST J1109+0754*  
**2020**, *The Astrophysical Journal*, vol. 903, 88 ([ADS](#))
8. Mardini, M. K., **Placco, V. M.**, Taani, A., Li, H., Zhao, G.  
*Metal-Poor Stars Observed with the Automated Planet Finder Telescope. II. Chemodynamical Analysis of Six Low-Metallicity Stars in the Halo System of the Milky Way*  
**2019**, *The Astrophysical Journal*, vol. 882, 27 ([ADS](#))
7. Whitten, D. D., **Placco, V. M.**, Beers, T. C., Chies-Santos, A. L., Bonatto, C., Varela, J., Cristóbal-Hornillos, D., Ederoclite, A., Akas, S., Caballero, J. A., Coelho, P., Costa-Duarte, M. V., Borges Fernandes, M., Lopes de Oliveira, R., Orsi, A. A., Vázquez Ramió, H., Rossi, S., Cenarro, A. J., Daflon, S., Dupke, R. A., Marín-Franch, A., Mendes de Oliveria, C., Moles, M., Sodr , L.  
*J-PLUS: Identification of Low-Metallicity Stars with Artificial Neural Networks using SPHINX*  
**2019**, *Astronomy & Astrophysics*, vol. 622, A182 ([ADS](#))
6. Sakari, C. M., **Placco, V. M.**, Farrell, E. M., Roederer, I. U., Wallerstein, G., Beers, T. C., Ezzeddine, R., Frebel, A., Hansen, T. T., Holmbeck, E. M., Sneden, C., Cowan, J. J., Venn, K. A., Davis, C. E., Matijevi , G., Wyse, R., Bland-Hawthorn, J., Chiappini, C., Freeman, K. C., Gibson, B. K., Grebel, E. K., Helmi, A., Kordopatis, G., Kunder, A., Navarro, J., Reid, W., Seabroke, G., Steinmetz, M., Watson, F.  
*The R-Process Alliance: First Release from Northern Search for R-Process-Enhanced Stars in the Galactic Halo*  
**2018**, *The Astrophysical Journal*, in vol. 868, 110 ([ADS](#))
5. Sakari, C. M., **Placco, V. M.**, Hansen, T. T., Holmbeck, E. M., Beers, T. C., Frebel, A. F., Roederer, I. U., Venn, K. A., Wallerstein, G., Davis, C. E., Farrell, E., Yong, D.  
*The r-process Pattern of a Bright, Highly r-process-enhanced Metal-poor Halo Star at  $[Fe/H] \sim -2$*   
**2018**, *The Astrophysical Journal Letters*, vol. 854, 20 ([ADS](#))
4. Beers, T. C., **Placco, V. M.**, Carollo, D., Rossi, S., Lee, Y. S., Frebel, A., Norris, J. E., Dietz, S., Masseron, T.  
*Bright Metal-Poor Stars from the Hamburg/ESO Survey. II. A Chemodynamical Analysis*  
**2017**, *The Astrophysical Journal*, vol. 835, 81 ([ADS](#))
3. Roederer, I. U., **Placco, V. M.**, Beers, T. C.  
*Detection of Phosphorus, Sulphur, and Zinc in the Carbon-Enhanced Metal-Poor Star BD+44 493*  
**2016**, *The Astrophysical Journal Letters*, vol. 824, 19 ([ADS](#))
2. Mel ndez, J., **Placco, V. M.**, Tucci-Maia, M., Ram rez, I., Li, T. S., Perez, G.,  
*2MASS J1808 5104: The Brightest ( $V=11.9$ ) Ultra Metal-Poor Star*  
**2016**, *Astronomy & Astrophysics - Letter to the Editor*, vol. 585, L5 ([ADS](#))
1. Santucci, R. M., **Placco, V. M.**, Rossi, S., Beers, T. C., Reggiani, H. M., Lee, Y. S., Xue, X. X., Carollo, D.  
*The Frequency of Field Blue-Straggler Stars in the Thick Disk and Halo System of the Galaxy*  
**2015**, *The Astrophysical Journal*, vol. 801, 116 ([ADS](#))

*nth* Author

120. Domínguez Sánchez, H., Coelho, P., Bruzual, G., Hernán-Caballero, A., López Sanjuan, C., Fernandez-Ontiveros, J., Díaz-García, L., Suelves, L., Álvarez-Candal, A., Breda, I., Gurung-López, S., **Placco, V. M.** et al.  
*J-PAS: A Neural Network Approach to Single Stellar Population Characterization*  
**2025, The Astronomy & Astrophysics**, submitted
119. Alzate-Trujillo, J. A., del Pino, A., López-Sanjuan, C., Hidalgo, A., Turrado-Prieto, S., **Placco, V. M.**, Coelho, P., Yuan, H., Lomelí-Núñez, L., Bruzual, G., Jiménez-Esteban, F., Telles, E., Anguiano, B., Alvarez-Candal, A., Cenarro, J., Cristóbal-Hornillos, D., Hernández-Monteagudo, C., Marín-Franch, A., Moles, M., Varela, J., Vázquez Ramió, H., Alcaniz, J., Dupke, R., Ederoclite, A., Sodré, L., Angulo, R.  
*J-PLUS: Reconstructing the Milky Way Disc's star formation history with twelve-filter photometry*  
**2025, The Astronomy & Astrophysics**, submitted
118. Morate, D., Mähle, M., Álvarez-Candal, A., Ederoclite, A., Vázquez Ramió, H., Pyrzas, S., Tinsaut-Ruano, F., Siffert, B. B., **Placco, V. M.** et al.  
*JaMONCITO: The Javalambre - Moving Objects New Catalog from Investigations of Time-domain Observations*  
**2025, Monthly Notices of the Royal Astronomical Society**, submitted
117. Tan, C. Y., Cerny, W., Pace, A. B., Sharp, J. A., Overdeck, K., Drlica-Wagner, A., Simon, J. D., Mutlu-Pakdil, B., Sand, D. J., Senkevich, A. M., Erkal, D., Ferguson, P. S., Sobreira, F., Atzberger, K. R., Carlin, J. L., Chiti, A., Crnojević, D., Ji, A. P., Johnson, L. C., Li, T. S., Limberg, G., Martínez-Vázquez, C. E., Medina, G. E., **Placco, V. M.** et al.  
*Ultra-Faint Milky Way Satellites Discovered in Carina, Phoenix, and Telescopium with DELVE Data Release 3*  
**2025, The Astrophysical Journal**, submitted
116. Tan, C. Y., Drlica-Wagner, A., Pace, A. B., Cerny, W., Nadler, E. O., Doliva-Dolinsky, A., Li, T. S., Simon, J. D., Vivas, A. K., Walker, A. R., Adamow, M., Anbajagane, D., Bechtol, K., Carlin, J. L., Casey, Q. O., Chang, C., Chaturvedi, A., Cheng, T. -Y., Chiti, A., Choi, Y., Crnojević, D., Ferguson, P. S., Gruendl, R. A., Ji, A. P., Limberg, G., Medina, G. E., Mutlu-Pakdil, B., Overdeck, K., **Placco, V. M.** et al.  
*DELVE Milky Way Satellite Census I: Satellite Population and Survey Selection Function*  
**2025, The Astrophysical Journal**, submitted
115. Ederoclite, A., Vázquez Ramió, H., Alvarez-Candal, A., Siffert, B. B., **Placco, V. M.**, Morate, D., Pyrzas, S., López-Sanjuan, C., Mähle, M., Kulkarni, S., Espinosa, L., Castro, M., Zacarias, B., Akhlaghi, M., Castillo, J., Civera, T., Hernández-Fuertes, J., Hernán-Caballero, A., López-Sainz, A., Lorenzetti, G., Muniesa-Gallardo, D., Moreno-Signes, A., Vives-Arias, H., Zaragoza Cardiel, J., Díaz-Martín, M., Galindo-Guil, F., Iglesias-Marzoa, R., Infante-Sainz, R., Kuutma, T., Lacruz, E., Lamadrid-Gutierrez, J., López-Martínez, F., Maícas-Sacristan, N., Hernández Pérez, F., Carvano, J., Cruz, P., Herpich, F., Solano, E., Pala, A., Reis, R.  
*J-VAR: the northern variable sky in 7 filters – First Data Release*  
**2025, Astronomy & Astrophysics**, submitted
114. Heiger, M. E., Ji, A. P., Li, T. S., Simon, J. D., Limberg, G., Carballo-Bello, J., Cerny, W., Chaturvedi, A., Chiti, A., Choi, Y., Crnojević, D., Martínez-Vázquez, C. E., Medina, G. E., Mutlu-Pakdil, B., Navabi, M., Noël, N., Pace, A. B., **Placco, V. M.**, Riley, A. H., Sakowska, J., Stringfellow, G.  
*Not-so-heavy metal(s): Chemical Abundances in the Ultra-faint Dwarf Galaxies Eridanus IV and Centaurus I*  
**2025, The Astrophysical Journal**, submitted
113. Machado-Pereira, E., Daflon, S., **Placco, V. M.**, Cruz, P., Borges Fernandes, M., Jiménez-Esteban, F., Caballero, J. A., Anguiano, B., Yuan, H., Bonatto, C., Alvarez-Candal, A., Cenarro, J., Cristóbal-Hornillos, D., Hernández-Monteagudo, C., López-Sanjuan, C., Marín-Franch, A., Moles, M., Varela, J., Vázquez Ramió, H., Alcaniz, J., Dupke, R., Ederoclite, A., Sodré Jr., L., Angulo, R.  
*J-PLUS: Metallicity determination in open clusters using machine learning*  
**2025, Monthly Notices of the Royal Astronomical Society**, submitted
112. Racca, M., Hansen, T. T., Roederer, I. U., **Placco, V. M.**, Frebel, A., Beers, T., Ezzeddine, R., Holmbeck, E. M., Sakari, C. M., Monty, S., Harket, Ø., Simon, J. D., Sneden, C., Thompson, I. B.

- The R-Process Alliance: Exploring the cosmic scatter among ten r-process sites with stellar abundances*  
**2025, Astronomy & Astrophysics**, vol. 704, A282 ([ADS](#))
111. Barbosa, F., Chiti, A., Limberg, G., Pace, A., Cerny, W., Rossi, S., Carlin, J., Stringfellow, G., **Placco, V. M.**, Atzerberg, K., Carballo-Bello, J. A., Chaturvedi, A., Choi, Y., Crnojević, D., Drlica-Wagner, A., Ji, A., Kallivayalil, N., Martínez-Vázquez, C., Medina, G., Noël, N., Sand, D., Vivas, A. K., Bom, C., Ferguson, P., Mutlu-Pakdil, B., Navabi, M., Riley, A. H., Sakowska, J., Zenteno, A.  
*The DECam MAGIC Survey: A Wide-field Photometric Metallicity Study of the Sculptor Dwarf Spheroidal Galaxy*  
**2025, The Astrophysical Journal**, vol. 993, 77 ([ADS](#))
110. Hirai, Y., Beers, T., Lee, Y. S., Wanajo, S., Roederer, I. U., Tanaka, M., Chiba, M., Saitoh, T., **Placco, V. M.**, Hansen, T. T., Ezzeddine, R., Frebel, A., Holmbeck, E. M., Sakari, C. M.  
*The R-Process Alliance: Enrichment of r-process Elements in a Simulated Milky Way-like Galaxy*  
**2025, The Astrophysical Journal**, vol. 990, 125 ([ADS](#))
109. Pace, A. B., Li, T. S., Ji, A. P., Simon, J. D., Cerny, W., Senkevich, A. M., Drlica-Wagner, A., Bechtol, K., Tan, C. Y., Chiti, A., Erkal, D., Martínez-Vázquez, C. E., Ferguson, P. S., Kron, R. G., Atzberger, K., Chaturvedi, A., Frieman, J. A., Kallivayalil, N., Limberg, G., Medina, G. E., **Placco, V. M.**, et al.  
*Spectroscopic Analysis of Pictor II: a very low metallicity ultra-faint dwarf galaxy bound to the LMC*  
**2025, The Open Journal of Astrophysics**, vol. 8, 112 ([ADS](#))
108. Barbuy, B., Erandes, H., Friaça, A., Camargo, M., da Silva, P., Souza, S., Masseron, T., Brauner, M., García-Hernández, D., Fernández-Trincado, J., Cunha, K., Smith, V., Villegas, A., Chiappini, C., Queiroz, A., Santiago, B., Beers, T., Anders, F., Schiavon, R., Valentini, M., Minniti, D., Geisler, D., Souto, D., **Placco, V. M.**, et al.  
*Abundances of P, S, and K in 58 bulge spheroid stars from APOGEE*  
**2025, Astronomy & Astrophysics**, vol. 700, A184 ([ADS](#))
107. Bandyopadhyay, A., Ezzeddine, R., **Placco, V. M.**, Frebel, A., Aguado, D. S., Roederer, I. U.  
*Probing Abundance Variations Among Multiple Stellar Populations in the Metal-poor Globular Cluster NGC 2298 Using Gemini-South/GHOST*  
**2025, The Astronomical Journal**, vol. 170, 37 ([ADS](#))
106. Aoki, W., Beers, T. C., Honda, S., Matsuno, T., **Placco, V. M.**, Yoon, J., Kuzuhara, M., Harakawa, H., Hirano, T., Kotani, T., Kurokawa, T., Nishikawa, J., Omiya, M., Tamura, M., Vievard, S.  
*Elemental abundances of 44 very metal-poor stars determined from Subaru/IRD near-infrared spectra*  
**2025, Publications of the Astronomical Society of Japan**, vol. 77, 502 ([ADS](#))
105. Quispe-Huaynasi, F., Roig, F., Holanda, N., Tacuri, V., Eleutério, R., Pereira, C., Daflon, S., **Placco, V. M.**, Lopes de Oliveira, R., Sestito, F., Humire, P. K., Borges Fernandes, M., Kanaan, A., Mendes de Oliveira, C., Ribeiro, T., Schoenell, W.  
*An Unsupervised Machine Learning Approach to Identify Spectral Energy Distribution Outliers: Application to the S-PLUS DR4 Data*  
**2025, The Astronomical Journal**, vol. 169, 332 ([ADS](#))
104. Hansen, T. T., Roederer, I. U., Shah, S., Ezzeddine, R., Beers, T., Frebel, A., Holmbeck, E. M., **Placco, V. M.**, Sakari, C. M., Ji, A. P., Marshall, J. L., Mardini, M. K., Chiti, A.  
*The R-Process Alliance: Hunting for gold in the near-UV spectrum of 2MASS J05383296–5904280*  
**2025, Astronomy & Astrophysics**, vol. 697, A127 ([ADS](#))
103. Rodriguez, C. N., Ferrero, G., Benvenuto, O., Ansin, T., Gamen, R., Morrell, N., Higa, R., Putkuri, C., Johnston, C., Chiboucas, K., Deibert, E., Hayes, C., Heo, J., Jeong, M., Kalari, V., Martioli, E., **Placco, V. M.**, Venn, K., Xu, S., Diaz, R., Gomez-Jimenez, M., Ruiz-Carmona, R., Simpson, C., McConnachie, A. W., Pazder, J., Burley, G., Berg, T. A. M., Robertson, J. G., Labrie, K., Thomas-Osip, J.  
*The Secondary Component of the Extremely Low Mass Ratio Massive Binary HD 165246 Revealed by GHOST*  
**2025, The Astrophysical Journal**, vol. 980, 169 ([ADS](#))



102. Cerny, W., Chiti, A., Geha, M., Mutlu-Pakdil, B., Drlica-Wagner, A., Tan, C. Y., Adamów, M., Pace, A. B., Simon, J. D., Sand, D. J., Ji, A. P., Li, T. S., Vivas, A. K., Bell, E. F., Carlin, J. L., Carballo-Bello, J. A., Chaturvedi, A., Choi, Y., Doliva-Dolinsky, A., Gnedin, O. Y., Limberg, G., Martínez-Vázquez, C. E., Mau, S., Medina, G. E., Navabi, M., Noël, N. E. D., **Placco, V. M.**, Riley, A. H., Roederer, I. U., Stringfellow, G. S., Bom, C. R., Ferguson, P. S., James, D. J., Martínez-Delgado, D., Massana, P., Nidever, D. L., Sakowska, J. D., Santana-Silva, L., Sherman, N. F., Tollerud, E. J.  
*Discovery and Spectroscopic Confirmation of Aquarius III: A Low-mass Milky Way Satellite Galaxy*  
**2025, The Astrophysical Journal**, vol. 979, 164 ([ADS](#))
101. Ferreira Lopes, C. E., Gutiérrez-Soto, L. A., Ferreira Alberice, V. S., Monsalves, N., Hazarika, D., Catelan, M., **Placco, V. M.**, Limberg, G., Almeida-Fernandes, F., Perottoni, H. D., Smith Castelli, A. V., Akas, S., Alonso-García, J., Cordeiro, V., Jaque Arancibia, M., Daflon, S., Dias, B., Machado-Pereira, E., Lopes, A. R., Bom, C. R., Thom de Souza, R., de Oliveira, N., Alvarez-Candal, A., De Rossi, M., Bonatto, C., Cubillos Palma, B., Borges Fernandes, M., Humire, P., Oliveira Schwarz, G., Schoenell, W., Kanaan, A., Mendes de Oliveira, C.  
*Stellar atmospheric parameters and chemical abundances of ~5 million stars from S-PLUS multi-band photometry*  
**2025, Astronomy & Astrophysics**, vol. 693, A306 ([ADS](#))
100. Barbuy, B., Friaça, A., Ernandes, H., da Silva, P., Souza, S., Fernández-Trincado, J., Cunha, K., Smith, V., Masseron, T., Pérez-Villegas, A., Chiappini, C., Queiroz, A., Santiago, B., Beers, T., Anders, F., Schiavon, R., Valentini, M., Minniti, D., Geisler, D., Souto, D., **Placco, V. M.**, et. al.  
*Abundances of iron-peak elements in 58 bulge spheroid stars from APOGEE*  
**2024, Astronomy & Astrophysics**, vol. 691, A296 ([ADS](#))
99. Herpich, F. R., Almeida-Fernandes, F., Oliveira Schwarz, G. B., Lima, E., Nakazono, L., Alonso-Garcia, J., Fonseca-Faria, M., Sartori, M., Bolutavicius, G., Fabiano de Souza, G., Hartmann, E., Li, L., Espinosa, L., Kanaan, A., Schoenell, W., Werle, A., Machado-Pereira, E., Gutierrez-Soto, L., Santos-Silva, T., Smith Castelli, A., Lacerda, E., Barbosa, C., Perottoni, H., Ferreira Lopes, C., Valença, R., Re Martho, P., Bom, C., Bonatto, C., Carvalho, M., Cernic, V., Coelho, P., Cortesi, A., Cubillos Palma, B., Ferreira Alberice, V., Huaynasi, F., Jacob Perin, G., Jaque Arancibia, M., Krabbe, A., Lima-Dias, C., Lomeli-Nunez, L., Lopes de Oliveira, R., Luiz Figueiredo, A., Losch, E., Navarete, F., Oliveira, J., Overzier, R., **Placco, V. M.**, et al.  
*The Fourth S-PLUS Data Release: 12-filter photometry covering 3000 square degrees in the Southern Hemisphere*  
**2024, Astronomy & Astrophysics**, vol. 689, 249 ([ADS](#))
98. Bandyopadhyay, A., Ezzeddine, R., Allende Prieto, C., Aria, N., Shah, S. P., Beers, T., Frebel, A., Holmbeck, E. M., Hansen, T. T., **Placco, V. M.**, Roederer, I. U., Sakari, C. M.  
*The R-Process Alliance: Fifth Data Release from the Search for R-process-enhanced Metal-poor Stars in the Galactic Halo with the Gran Telescopio Canarias*  
**2024, The Astrophysical Journal Supplement Series**, vol. 274, 39 ([ADS](#))
97. Kalari, V., Diaz, R., Robertson, J. G., McConnachie, A. W., Ireland, M., Salinas, R., Young, P., Simpson, C., Hayes, C. R., Nielsen, J., Burley, G., Pazder, J., Gomez-Jimenez, M., Martioli, E., Howell, S. B., Jeong, M., Juneau, S., Ruiz-Carmona, R., Margheim, S., Sheinis, A., Anthony, A., Baker, G., Berg, T. A. M., Cao, T., Chapin, E., Chin, T., Chiboucas, K., Churilov, V., Deibert, E. K., Densmore, A., Dunn, J., Edgar, M. L., Heo, J., Henderson, D., Farrell, T., Font, J., Firpo, V., Fuentes, J., Labrie, K., Lambert, S., Lawrence, J., Lothrop, J., McDermid, R., Miller, B. W., Perez, G., **Placco, V. M.**, Prado, P., Quiroz, C., Ramos, F., Rutten, R., Silva, K., Thomas-Osip, J., Urrutia, C., Vacca, W., Venn, K., Waller, F., Waller, L., White, M., Xu, S., Zhelem, R.  
*Gemini High-resolution Optical SpecTrograph (GHOST) at Gemini-South: Instrument performance and integration, first science, and next steps*  
**2024, The Astronomical Journal**, vol. 168, 208 ([ADS](#))
96. Kowkabany, J., Ezzeddine, R., Charbonnel, C., Roederer, I. U., Wang, E. X., Li, Y., Hackshaw, Z., Beers, T. C., Frebel, A., Hansen, T. T., Holmbeck, E. M., **Placco, V. M.**, Sakari, C. M.  
*Discovery of a Metal-Poor Red Giant Star with the Highest Ultralithium Enhancement*  
**2024, The Astrophysical Journal**, vol. 973, 125 ([ADS](#))

95. Deibert, E. K., Langeveld, A., Young, M. E., Flagg, L., Turner, J. D., de Mooij, E., Jayawardhana, R., Smith, P., Chiboucas, K., Gamen, R., Hayes, C. R., Heo, J., Jeong, M., Kalari, V., Martioli, E., **Placco, V. M.**, Venn, K., Xu, S., Diaz, R., Gomez-Jimenez, M., Henderson, D., Prado, P., Quiroz, C., Ruiz-Carmona, R., Simpson, C., Urrutia, C., McConnachie, A. W., Pazder, J., Burley, G., Ireland, M., Waller, F., Berg, T. A. M., Robertson, J. G., Hartman, Z., Jones, D. O., Labrie, K., Lee, J., Miller, B., Perez, G., Ridgway, S., Thomas-Osip, J.  
*Results from the GHOST/Gemini South System Verification Run: High-Resolution Dayside Spectroscopy of WASP-189b*  
**2024**, **The Astronomical Journal**, vol. 168, 148 ([ADS](#))
94. Roederer, I. U., Beers, T. C., Hattori, K., **Placco, V. M.**, Hansen, T. T., Ezzeddine, R., Frebel, A., Holmbeck, E., Sakari, C. M.  
*The R-Process Alliance: 2MASS J22132050–5137385, the Star with the Highest-known r-process Enhancement at  $[Eu/Fe] = +2.45$*   
**2024**, **The Astrophysical Journal**, vol. 971, 158 ([ADS](#))
93. Xylakis-Dornbusch, T., Hansen, T. T., Beers, T. C., Christlieb, N., Ezzeddine, R., Frebel, A., Holmbeck, E., **Placco, V. M.**, Roederer, I. U., Sakari, C. M., Sneden, C.  
*The R-Process Alliance: Analysis of Limited-r Stars*  
**2024**, **Astronomy & Astrophysics**, vol. 688, 123 ([ADS](#))
92. Shah, S., Ezzeddine, R., Roederer, I. U., Hansen, T. T., **Placco, V. M.**, Beers, T. C., Frebel, A., Ji, A. P., Holmbeck, E. M., Marshall, J., Sakari, C. M.  
*The R-Process Alliance: Detailed Chemical Composition of an R-Process Enhanced Star with UV and Optical Spectroscopy*  
**2024**, **Monthly Notices of the Royal Astronomical Society**, vol. 529, 1917 ([ADS](#))
91. Dovgal, A., Venn, K., Sestito, F., Hayes, C., McConnachie, A., Navarro, J., **Placco, V. M.**, Starkenburg, E., Martin, N. F., Pazder, J., Chiboucas, K., Deibert, E., Gamen, R., Heo, J., Jeong, M., Kalari, V., Martioli, E., Xu, S., Diaz, R., Gomez-Jimenez, M., Henderson, D., Prado, P., Quiroz, C., Robertson, J., Ruiz-Carmona, R., Simpson, C., Urrutia, C., Waller, F., Berg, T., Burley, G., Hartman, Z., Ireland, M., Margheim, S., Perez, G., Thomas-Osip, J.  
*Probing the early Milky Way with GHOST spectra of an extremely metal-poor star in the Galactic disk*  
**2024**, **Monthly Notices of the Royal Astronomical Society**, vol. 527, 7810 ([ADS](#))
90. Quispe-Huaynasi, F., Roig, F., **Placco, V. M.**, Beraldo e Silva, L., Pereira, C. B., Daflon, S., Kanaan, A., Mendes de Oliveira, C., Ribeiro, T., Schoenell, W.  
*Characterisation of high velocity stars in the S-PLUS internal fourth data release*  
**2024**, **Monthly Notices of the Royal Astronomical Society**, vol. 527, 6173 ([ADS](#))
89. Spalding, E., Wilhelm, R., De Lee, N., Long, S., Beers, T. C., **Placco, V. M.**, Kielkopf, J., Lee, Y. S., Pepper, J., Carrell, K.  
*RRLFE: Software for Generating and Applying Metallicity Calibrations for RR Lyrae Variable Stars Across a Wide Range of Phases and Temperatures*  
**2024**, **Monthly Notices of the Royal Astronomical Society**, vol. 527, 828 ([ADS](#))
88. Roederer, I. U., Vassh, N., Holmbeck, E. M., Mumpower, M. R., Surman, R., Cowan, J. J., Beers, T. C., Ezzeddine, R., Frebel, A., Hansen, T. T., **Placco, V. M.**, Sakari, C. M.  
*Element abundance patterns in stars indicate fission of nuclei heavier than uranium*  
**2023**, **Science**, vol. 382, 1177 ([ADS](#))
87. Barbuy, B., Friaça, A., Ernandes, H., Moura, T., Masseron, T., Cunha, K., Smith, V., Souto, D., Pérez-Villegas, A., Souza, S., Chiappini, C., Queiroz, A., Fernández-Trincado, J., da Silva, P., Santiago, B., Anders, F., Schiavon, R., Valentini, M., Minniti, D., Geisler, D., **Placco, V. M.**, et. al.  
*Light elements Na and Al in 58 bulge spheroid stars from APOGEE*  
**2023**, **Monthly Notices of the Royal Astronomical Society**, vol. 526, 2365 ([ADS](#))



86. Roederer, I. U., Pace, A., **Placco, V. M.**, Caldwell, N., Koposov, S., Mateo, M., Olszewski, E., Walker, M.  
*Abundance Analysis of Stars at Large Radius in the Sextans Dwarf Spheroidal Galaxy*  
**2023, The Astrophysical Journal**, vol. 954, 55 ([ADS](#))
85. Abuchaim, Y., Perottoni, H. D., Rossi, S., Limberg, G., Pérez-Villegas, A., Santucci, R. M., **Placco, V. M.**, Sales-Silva, J. V., Anders, F., Rocha-Pinto, H.  
*The Chemodynamical Nature of the Triangulum-Andromeda Overdensity*  
**2023, The Astrophysical Journal**, vol. 949, 48 ([ADS](#))
84. Quispe-Huaynasi, F., Roig, F., Daflon, S., Pereira, C., **Placco, V. M.**, Jiménez-Esteban, F., Galindo-Guil, F., Alvarez-Candal, A., Alcaniz, J., Angulo, R., Cenarro, J., Cristóbal-Hornillos, D., Dupke, R., Ederoclite, A., Hernández-Monteagudo, C., López-Sanjuan, C., Marín-Franch, A., Moles, M., Sodr   Jr., L., V  zquez Rami  , H.  
*J-PLUS: characterisation of high velocity stars in the second data release*  
**2023, Monthly Notices of the Royal Astronomical Society**, vol. 522, 3898 ([ADS](#))
83. Jeong, M., Lee, Y. S., Beers, T. C., **Placco, V. M.**, Kim, Y. K., Koo, J.-R., Lee, H.-G., Yang, S.-C.  
*Search for Extremely Metal-Poor Stars with GEMINI-N/GRACES I. Chemical-abundance Analysis*  
**2023, The Astrophysical Journal**, vol. 948, 38 ([ADS](#))
82. Zepeda, J., Beers, T. C., **Placco, V. M.**, Shank, D., Gudin, D., Hirai, Y., Yoon, J., Mardini, M., Pifer, C., Catapano, T., Calagna, S.  
*Chemo-Dynamically Tagged Groups of CEMP Stars in the Halo of the Milky Way. I. Untangling the Origins of CEMP-s and CEMP-no Stars*  
**2023, The Astrophysical Journal**, vol. 947, 23 ([ADS](#))
81. Garro, E. R., Fern  ndez-Trincado, J. G., Minniti, D., Moya, W. H., Palma, T., Beers, T. C., **Placco, V. M.**, Barbuy, B., Sneden, C., Alves-Brito, A., Dias, B., Af  sar, M., Frelji  , H., Lane, R. R.  
*Gaia-IGRINS synergy: Orbits of Newly Identified Milky Way Star Clusters*  
**2023, Astronomy & Astrophysics**, vol. 669, A136 ([ADS](#))
80. Shank, D., Beers, T., **Placco, V. M.**, Gudin, D., Catapano, T., Holmbeck, E. M., Ezzeddine, R., Roederer, I. U., Sakari, C. M., Frebel, A. Hansen, T. T.  
*The R-Process Alliance: Chemo-Dynamically Tagged Groups II. Extended Sample of Halo r-Process-Enhanced Stars*  
**2023, The Astrophysical Journal**, vol. 943, 23 ([ADS](#))
79. Yuan, H. -B., Yang, L., Cruz, P., Jim  nez-Esteban, F., Daflon, S., **Placco, V. M.**, Akas, S., Alfaro, E. J., Galarza, C. A., Gon  alves, D., Liu, J. -F., Cenarro, A., Mar  n-Franch, A., Varela, J., Ederoclite, A., L  pez-Sanjuan, C., Abramo, R., Alcaniz, J., Ben  tez, N., Bonoli, S., Crist  bal-Hornillos, D., Dupke, R. A., Hern  n-Caballero, A., Mendes de Oliveira, C., Moles, M., Sodr   Jr., L., V  zquez Rami  , H., Taylor, K.  
*The miniJPAS survey: stellar atmospheric parameters from 56 optical filters*  
**2023, Monthly Notices of the Royal Astronomical Society**, vol. 518, 2018 ([ADS](#))
78. Schatz, H., Becerril Reyes, A. D., Best, A., Brown, E. F., Chatziioannou, K., Chipps, K. A., Deibel, C. M., Ezzeddine, R., Galloway, D. K., Hansen, C. J., Herwig, F., Ji, A. P., Lugaro, M., Meisel, Z., Norman, D., Read, J. S., Roberts, L. F., Spyrou, A., Tews, I., Timmes, F. X., Travaglio, C., Vassh, N., Abia, C., Adsley, P., Agarwal, S., Aliotta, M., Aoki, W., Arcones, A., Aryan, A., Bandyopadhyay, A., Banu, A., Bardayan, D. W., Barnes, J., Bauswein, A., Beers, T. C., Bishop, J., Boztepe, T., C  t  , B., Caplan, M. E., Champagne, A. E., Clark, J. A., Couder, M., Couture, A., de Mink, S. E., Debnath, S., deBoer, R. J., den Hartogh, J., Denissenkov, P., Dexheimer, V., Dillmann, I., Escher, J. E., Famiano, M. A., Farmer, R., Fisher, R., Fr  hlich, C., Frebel, A., Fryer, C., Fuller, G., Ganguly, A. K., Ghosh, S., Gibson, B., Gorda, T., Gourgouliatos, K., Graber, V., Gupta, M., Haxton, W., Heger, A., Hix, W. R., Ho, W. C., Holmbeck, E. M., Hood, A., Huth, S., Imbriani, G., Izzard, R., Jain, R., Jayatissa, H., Johnston, Z., Kajino, T., Kankainen, A., Kiss, G., Kwiatkowski, A., La Cognata, M., Laird, A., Lamia, L., Landry, P., Laplace, E., Launey, K., Leahy, D., Leckenby, G., Lennarz, A., Longfellow, B., Lovell, A., Lynch, W., Lyons, S., Maeda, K., Masha, E., Matei, C., Merc, J., Messer, B., Montes, F., Mukherjee, A., Mumpower, M., Neto, D., Nevins, B., Newton, W., Nguyen, L. Q., Nishikawa, K., Nishimura, N., Nunes, F.,

- O'Connor, E., O'Shea, B., Ong, W.-J., Pain, S., Pajkos, M., Pignatari, M., Pizzone, R., **Placco, V. M.**, et al.  
*Horizons: Nuclear Astrophysics in the 2020s and Beyond*  
**2022, Journal of Physics G**, vol. 49, 110502 ([ADS](#))
77. Razera, R., Barbuy, B., Moura, T., Ernandes, H., Pérez-Villegas, A., Souza, S. O., Chiappini, C., Queiroz, A. B. A., Anders, F., Fernández-Trincado, J. G., Friaça, A. C. S., Cunha, K., Smith, V. V., Santiago, B. X., Schiavon, R. P., Valentini, M., Minniti, D., Schultheis, M., Geisler, D., Sobek, J., **Placco, V. M.**, Zoccali, M.  
*Abundance analysis of 58 APOGEE metal-poor spheroid bulge stars*  
**2022, Monthly Notices of the Royal Astronomical Society**, vol. 517, 4590 ([ADS](#))
76. Mardini, M., Frebel, A., Ezzeddine, R., Chiti, A., Meiron, Y., Ji, A., **Placco, V. M.**, Roederer, I., Meléndez, J.  
*The chemical abundance pattern of the extremely metal-poor thin disc star 2MASS J1808–5104 and its origins*  
**2022, Monthly Notices of the Royal Astronomical Society**, vol. 517, 3993 ([ADS](#))
75. Roederer, I. U., Cowan, J. J., Pignatari, M., Beers, T. C., Den Hartog, E. A., Ezzeddine, R., Frebel, A., Hansen, T. T., Holmbeck, E. M., Mumpower, M. R., **Placco, V. M.**, Sakari, C. M., Surman, R., Vassh, N.  
*The R-Process Alliance: Abundance Universality among Some Elements at and between the First and Second R-Process Peaks*  
**2022, The Astrophysical Journal**, vol. 936, 84 ([ADS](#))
74. Shank, D., Komater, D., Beers, T., **Placco, V. M.**, Huang, Y.  
*Dynamically Tagged Groups of Metal-Poor Stars II. The Radial Velocity Experiment Data Release 6*  
**2022, The Astrophysical Journal Supplement Series**, vol. 261, 19 ([ADS](#))
73. Roederer, I. U., Lawler, J. E., Den Hartog, E. A., **Placco, V. M.**, Surman, R., Beers, T. C., Ezzeddine, R., Frebel, A., Hansen, T. T., Hattori, K., Holmbeck, E. M., Sakari, C. M.  
*The R-Process Alliance: A Nearly Complete R-Process Abundance Template Derived from Ultraviolet Spectroscopy of the R-Process-Enhanced Metal-Poor Star HD 222925*  
**2022, The Astrophysical Journal Supplement Series**, vol. 260, 27 ([ADS](#))
72. Aoki, W., Beers, T. C., Honda, S., Ishikawa, H. T., Matsuno, T., **Placco, V. M.**, Yoon, J., Harakawa, H., Hirano, T., Hodapp, K., Ishizuka, M., Jacobson, S., Kotani, T., Kudo, T., Kurokawa, Y., Kuzuhara, M., Nishikawa, J., Omiya, M., Serizawa, T., Tamura, M., Ueda, A., Vievard, S.  
*Silicon and Strontium abundances of very metal-poor stars determined from near-infrared spectra*  
**2022, Publications of the Astronomical Society of Japan**, vol. 74, 273 ([ADS](#))
71. Zepeda, J., Rasmussen, K. C., Beers, T., **Placco, V. M.**, Huang, Y., Depagne, É.  
*Metal-Poor Stars Observed with the Southern African Large Telescope II. An Extended Sample*  
**2022, The Astrophysical Journal**, vol. 927, 13 ([ADS](#))([PDF](#))
70. Almeida-Fernandes, F., Sampedro, L., Herpich, F. R., Molino, A., Barbosa, C. E., Buzzo, M. L., Overzier, R. A., de Lima, E. V. R., Nakazono, L. M. I., Oliveira Schwarz, G. B., Perottoni, H. D., Bolutavicius, G. L., Gutiérrez-Soto, L. A., Santos-Silva, T., Vitorelli, A. Z., Werle, A., Whitten, D. D., Costa Duarte, M. V., Bom, C. R., Coelho, P., Sodré Jr., L., **Placco, V. M.**, Teixeira, G. S. M., Alonso-García, J., Beers, T. C., Kanaan, A., Ribeiro, T., Schoenell, W., Mendes de Oliveira, C.  
*Data Release 2 of S-PLUS: Accurate template-fitting based photometry covering 1000 deg<sup>2</sup> in 12 optical filters*  
**2022, Monthly Notices of the Royal Astronomical Society**, vol. 511, 4590 ([ADS](#))
69. Shank, D., Beers, T., **Placco, V. M.**, Limberg, G., Jaques, E., Yuan, Zhen, Schlafman, K. C., Casey, A. R., Huang, Y., Lee, Y. S., Hattori, K., Santucci, R. M.  
*Dynamically Tagged Groups of Metal-Poor Stars from the Best & Brightest Survey*  
**2022, The Astrophysical Journal**, vol. 926, 26 ([ADS](#))
68. Galarza, C. A., Daflon, S., **Placco, V. M.**, Allende Prieto, C., Borges Fernandes, M., Yuan, H., López-Sanjuan, C., Lee, Y. S., Solano, E., Jiménez-Esteban, F., Sobral, D., Alvarez-Candal, A., Pereira, C. B., Akas, S., Martín, E., Jiménez-Teja, Y., Cenarro, J., Cristóbal-Hornillos, D., Hernández-Monteagudo, C., Marín-Franch, A., Moles, M., Varela, J., Vázquez Ramió, H., Alcaniz, J., Dupke, R., Ederoclite, A., Sodré Jr., L., Angulo, R.

- J-PLUS: Searching for very metal-poor star candidates using the SPEEM pipeline*  
**2022, Astronomy & Astrophysics**, vol. 657, A35 ([ADS](#))
67. López-Sanjuan, C., Yuan, H., Vázquez Ramió, H., Varela, J., Cristóbal-Hornillos, D., Tremblay, P. -E., Marín-Franch, A., Cenarro, A., Ederoclite, A., Alfaro, E., Alvarez-Candal, A., Daflon, S., Hernán-Caballero, A., Hernández-Monteagudo, C., Jiménez-Esteban, F., **Placco, V. M.**, Tempel, E., Alcaniz, J., Angulo, R., Dupke, R., Moles, M., Sodr   Jr., L.  
*J-PLUS: Systematic impact of metallicity on photometric calibration with the stellar locus*  
**2021, Astronomy & Astrophysics**, vol. 654, A61 ([ADS](#))
66. Bonoli, S., Marín-Franch, A., Varela, J., Vázquez Ramió, H., Abramo, L. R., Cenarro, A. J., Dupke, R. A., Vílchez, J. M., Cristóbal-Hornillos, D., González Delgado, R. M., Hernández-Monteagudo, C., López-Sanjuan, C., Muniesa, D., Civera, T., Ederoclite, A., Hernán-Caballero, A., Marra, V., Baqui, P., Cortesi, A., Cypriano, E., Daflon, S., de Amorim, A., Díaz-García, L., Diego, J., Martínez-Solaeche, G., Pérez, E., **Placco, V. M.**, et al.  
*The miniJPAS survey: a preview of the Universe in 56 colours*  
**2021, Astronomy & Astrophysics**, vol. 653, A31 ([ADS](#))
65. Arentsen, A., Starkenburg, E., Aguado, D. S., Martin, N. F., **Placco, V. M.**, Carlberg, R., González Hernández, J. I., Hill, V., Jablonka, P., Kordopatis, G., Lardo, C., Mashonkina, L. I., Navarro, J. F., Venn, K. A., Buder, S., Lewis, G. F., Wan, Z., Zucker, D. B.  
*The Pristine Inner Galaxy Survey (PIGS) III: carbon-enhanced metal-poor stars in the bulge*  
**2021, Monthly Notices of the Royal Astronomical Society**, vol. 505, 1239 ([ADS](#))
64. Dietz, S. E., Yoon, J., Beers, T. C., **Placco, V. M.**, Lee, Y. S.  
*Two Populations of Carbon-Enhanced Metal-Poor Stars in the Disk System of the Milky Way*  
**2021, The Astrophysical Journal**, vol. 914, 100 ([ADS](#))
63. Limberg, G., Santucci, R. M., Rossi, S., Shank, D., **Placco, V. M.**, Beers, T., Schlafman, K. C., Casey, A. R., Perottoni, H. D., Lee, Y. S.  
*Targeting Bright Metal-poor Stars in the Disk and Halo Systems of the Galaxy*  
**2021, The Astrophysical Journal**, vol. 913, 11 ([ADS](#))
62. Fernández-Trincado, J. G., Beers, T., Minniti, D., Carigi, L., **Placco, V. M.**, Chun, S., Lane, R., Geisler, D., Villanova, S. Souza, S., Barbuy, B., Pérez-Villegas, A., Chiappini, C., Queiroz, A., Tang, B., Alonso-García, J., Piatti, A., Palma, T., Alves-Brito, A., Moni Bidin, C., Roman-Lopes, A., Muñoz, R., Singh, H., Kundu, R., Chaves-Velasquez, L., Romero-Colmenares, M., Longa-Peña, P., Soto, M., Vieira, K.  
*APOGEE discovery of a chemically atypical star disrupted from NGC 6723 and captured by the Milky Way bulge*  
**2021, Astronomy & Astrophysics**, vol. 647, 64 ([ADS](#))
61. Gudin, D., Shank, D., Beers, T. C., Yuan, Z., Limberg, G., Roederer, I. U., **Placco, V. M.**, Holmbeck, E. M., Dietz, S., Rasmussen, K. C., Hansen, T. T., Sakari, C. M., Ezzeddine, R., Frebel, A.  
*The R-Process Alliance: Chemodynamically Tagged Groups of Halo r-Process-Enhanced Stars Reveal a Shared Chemical-Evolution History*  
**2021, The Astrophysical Journal**, vol. 908, 79 ([ADS](#))
60. Limberg, G., Rossi, S., Beers, T., Perottoni, H., Pérez-Villegas, A., Santucci, R., Abuchaim, Y., **Placco, V. M.**, Lee, Y. S., Christlieb, N., Norris, J. E., Bessell, M., Ryan, S. G., Wilhelm, R., Rhee, J., Frebel, A.  
*Dynamically Tagged Groups of Very Metal-Poor Halo Stars from the HK and Hamburg/ESO Surveys*  
**2021, The Astrophysical Journal**, vol. 907, 10 ([ADS](#))
59. Baqui, P., Marra, V., Casarini, L., Angulo, R., Díaz-García, L., Hernández-Monteagudo, C., Lopes, P. A., López-Sanjuan, C., Muniesa, D., **Placco, V. M.**, Quartín, M., Queiroz, C., Sobral, D., Solano, E., Tempel, E., Varela, J., Vílchez, J. M., Abramo, L. R., Alcaniz, J., Benítez, N., Bonoli, S., Carneiro, S., Cenarro, A. J., Cristóbal-Hornillos, D., de Amorim, A., de Oliveira, C. M., Dupke, R. A., Ederoclite, A., González Delgado, R. M., Marín-Franch, A., Moles, M., Vázquez Ramió, H., Sodr  , L., Taylor, K.  
*The miniJPAS survey: star-galaxy classification using machine learning*  
**2021, Astronomy & Astrophysics**, vol. 645, A87 ([ADS](#))

58. Rasmussen, K., Zepeda, J., Beers, T. C., **Placco, V. M.**, Depagne, É., Frebel, A., Dietz, S., Hartwig, T.  
*Metal-Poor Stars Observed with the Southern African Large Telescope*  
**2020**, *The Astrophysical Journal*, vol. 905, 20 ([ADS](#))
57. Fernández-Trincado, J. G., Minniti, D., Beers, T., Villanova, S., Geisler, D., Souza, S., Smith, L., **Placco, V. M.**,  
Vieira, K., Pérez-Villegas, A., Barbuy, B., Alves-Brito, A., Bidin, C. M., Alonso-García, J., Tang, B., Palma, T.  
*The enigmatic globular cluster UKS 1 obscured by the bulge: H-band discovery of nitrogen-enhanced stars*  
**2020**, *Astronomy & Astrophysics*, vol. 643, 145 ([ADS](#))
56. Fernández-Trincado, J. G., Beers, T. C., Minniti, D., Carigi, L., Barbuy, B., **Placco, V. M.**, Moni Bidin, C.,  
Villanova, S., Roman-Lopes, A., Nitschelm, C.  
*Discovery of a Large Population of Nitrogen-Enhanced Stars in the Magellanic Clouds*  
**2020**, *The Astrophysical Journal Letters*, vol. 903, 17 ([ADS](#))
55. Roederer, I. U., Lawler, J. E., Holmbeck, E. M., Beers, T. C., Ezzeddine, R., Frebel, A., Hansen, T. T., Ivans, I.  
I., Karakas, A. I., **Placco, V. M.**, Sakari, C. M.  
*Detection of Pb II in the Ultraviolet Spectra of Three Metal-Poor Stars*  
**2020**, *The Astrophysical Journal Letters*, vol. 902, 24 ([ADS](#))
54. Holmbeck, E. M., Hansen, T. T., Beers, T. C., **Placco, V. M.**, Whitten, D. D., Rasmussen, K. C., Roederer,  
I. U., Sakari, C., Ezzeddine, R., Frebel, A., Drout, M. R., Simon, J. D., Thompson, I. B., Bland-Hawthorn, J.,  
Gibson, B. K., Grebel, E. K., Kordopatis, G., Kunder, A., Meléndez, J., Navarro, J. F., Reid, W. A., Seabroke,  
G., Steinmetz, M., Watson, F., Wyse, R. F. G.  
*The R-Process Alliance: Fourth Data Release from the Search for R-Process-Enhanced Stars in the Galactic Halo*  
**2020**, *The Astrophysical Journal Supplement Series*, vol. 249, 30 ([ADS](#))
53. Ezzeddine, R., Rasmussen, K., Frebel, A., Chiti, A., Hinojisa, K., **Placco, V. M.**, Ji, A. P., Beers, T. C., Hansen,  
T. T., Roederer, I. U., Sakari, C. M., Melendez, J.  
*The R-Process Alliance: First Magellan/MIKE Release from the Southern Search for R-Process-enhanced Stars*  
**2020**, *The Astrophysical Journal*, vol. 898, 150 ([ADS](#))
52. Cain, M., Frebel, A., Ji, A. P., **Placco, V. M.**, Ezzeddine, R., Roederer, I. U., Hattori, K., Beers, T. C., Meléndez,  
J., Hansen, T. T., Sakari, C.  
*The R-Process Alliance: A Very Metal-Poor, Extremely r-Process-Enhanced Star with  $[Eu/Fe] = +2.2$ , and the  
Class of r-III Stars*  
**2020**, *The Astrophysical Journal*, vol. 898, 40 ([ADS](#))
51. Molino, A., Costa-Duarte, M. V., Sampedro, L., Herpich, F. R., Sodré, L., Jr., Mendes de Oliveira, C., Schoenell,  
W., Barbosa, C. E., Queiroz, C., Lima, E. V. R., Azanha, L., Muñoz-Elgueta, N., Ribeiro, T., Kanaan, A.,  
Hernandez-Jimenez, J. A., Cortesi, A., Akas, S., Lopes de Oliveira, R., Torres-Flores, S., Lima-Dias, C., Nilo  
Castellon, J. L., Damke, G., Alvarez-Candal, A., Jiménez-Teja, Y., Coelho, P., Pereira, E., Montero-Dorta, A. D.,  
Benítez, N., Gonçalves, T. S., Santana-Silva, L., Werner, S. V., Almeida, L. A., Lopes, P. A. A., Chies-Santos,  
A. L., Telles, E., de Souza, T. C. R., Gonçalves, D. R., de Souza, R. S., Makler, M., **Placco, V. M.**, Nakazono,  
L. M. I., Saito, R. K., Overzier, R. A., Abramo, L. R.  
*Assessing the photometric redshift precision of the S-PLUS survey: the Stripe-82 as a test-case*  
**2020**, *Monthly Notices of the Royal Astronomical Society*, vol. 499, 3884 ([ADS](#))
50. Dietz, S. E., Yoon, J., Beers, T. C., **Placco, V. M.**  
*The Metallicity Gradient and Complex Formation History of the Outermost Halo of the Milky Way*  
**2020**, *The Astrophysical Journal*, vol. 894, 34 ([ADS](#))
49. Yoon, J., Whitten, D. D., Beers, T. C., Lee, Y. S., Masseron, T., **Placco, V. M.**  
*Identification of a Group III CEMP-no Star in the Dwarf Spheroidal Galaxy Canes Venatici I*  
**2020**, *The Astrophysical Journal*, vol. 894, 7 ([ADS](#))
48. Yuan, Z., Myeong, G. C., Beers, T. C., Evans, N. W., Lee, Y. S., Banerjee, P., Gudin, D., Hattori, K., Li, H.,  
Matsuno, T., **Placco, V. M.**, Smith, M. C., Whitten, D. D., Zhao, G.

*Dynamical Relics of the Ancient Galactic Halo***2020**, *The Astrophysical Journal*, vol. 891, 39 ([ADS](#))

47. Andrade-Santos, F., van Weeren, R. J., Di Gennaro, G., Wittman, D., Ryu, D., Lal, D. V., **Placco, V. M.**, Fogarty, K., Jee, M. J., Stroe, A., Sobral, D., Forman, W. R., Jones, C., Kraft, R. P., Murray, S. S., Brüggen, M., Kang, H., Santucci, R. M., Golovich, N., Dawson, W. A.  
*Chandra Observations of the Spectacular A3411–12 Merger Event*  
**2019**, *The Astrophysical Journal*, vol. 887, 31 ([ADS](#))
46. Fernández-Trincado, J. G., Mennickent, R., Cabezas, M., Zamora, O., Martell, S., Beers, T. C., **Placco, V. M.**, Nataf, D., Mészáros, S., Minniti, D., Schleicher, D. R., Tang, B., Pérez-Villegas, A., Robin, A. C., Reylé, C.  
*Discovery of a nitrogen-enhanced mildly metal-poor binary system: Possible evidence for pollution from an extinct AGB star*  
**2019**, *Astronomy & Astrophysics*, vol. 631, A97 ([ADS](#))
45. Fernández-Trincado, J. G., Beers, T. C., **Placco, V. M.**, Moreno, E., Alves-Brito, A., Minniti, D., Tang, B., Pérez-Villegas, A., Reylé, C., Robin, A. C., Villanova, S.  
*Discovery of a New Stellar Subpopulation Residing in the (Inner) Stellar Halo of the Milky Way*  
**2019**, *The Astrophysical Journal Letters*, vol. 886, 8 ([ADS](#))
44. López-Sanjuan, C., Varela, J., Cristóbal-Hornillos, D., Vázquez Ramió, H., Carrasco, J. M., Tremblay, P. -E., Whitten, D., **Placco, V. M.**, Marín-Franch, A., Cenarro, A., Ederoclite, A., Alfaro, E., Coelho, P., Civera, T., Hernández-Fuertes, J., Jiménez-Esteban, F., Jiménez-Teja, Y., Maíz Apellániz, J., Sobral, D., Vilchez, J., Alcaniz, J., Angulo, R., Dupke, R., Hernández-Monteagudo, C., Mendes de Oliveira, C., Moles, M., Sodr   Jr., L.  
*J-PLUS: Photometric Calibration of Large-Area Multi-Filter Surveys with Stellar and White Dwarf loci*  
**2019**, *Astronomy & Astrophysics*, vol. 631, A119 ([ADS](#))
43. Whitten, D. D., Beers, T. C., **Placco, V. M.**, Santucci, R. M., Denisenkov, P., Tissera, P. B., Mej  as, A., Hernitschek, N., Carollo, D.  
*Constraints on the Galactic Inner Halo Assembly History from the Age Gradient of Blue Horizontal-Branch Stars*  
**2019**, *The Astrophysical Journal*, vol. 884, 67 ([ADS](#))
42. Mendes de Oliveira, C., Ribeiro, T., Schoenell, W., Kanaan, A., Overzier, R., Molino, A., Sampedro, L., Coelho, P., Barbosa, C., Cortesi, A., Costa-Duarte, M. V., Herpich, F. R., Hernandez-Jimenez, J., **Placco, V. M.**, et al.  
*The Southern Photometric Local Universe Survey (S-PLUS): improved SEDs, morphologies and redshifts with 12 optical filters*  
**2019**, *Monthly Notices of the Royal Astronomical Society*, vol. 489, 241 ([ADS](#))
41. Ezzeddine, R., Frebel, A., Roederer, I. U., Tominaga, N., Tumlinson, J., Ishigaki, M., Nomoto, K., **Placco, V. M.**, Aoki, W.  
*Evidence for an Aspherical Population III Supernova Explosion Inferred from the Hyper Metal-Poor Star HE 1327–2326*  
**2019**, *The Astrophysical Journal*, vol. 876, 97 ([ADS](#))
40. Mardini, M. K., Li, H., **Placco, V. M.**, Alexeeva, S., Carollo, D., Taani, A., Ablimit, I., Wang, L., Zhao, G.  
*Metal-Poor Stars Observed with the Automated Planet Finder Telescope. I. Discovery of Five Carbon-Enhanced Metal-Poor Stars from LAMOST*  
**2019**, *The Astrophysical Journal*, vol. 875, 89 ([ADS](#))
39. Sakari, C. M., Roederer, I. U., **Placco, V. M.**, Beers, T. C., Ezzeddine, R., Frebel, A., Hansen, T. T., Sneden, C., Cowan, J. J., Wallerstein, G., Farrell, E. M., Venn, K. A., Matijevi  , G., Wyse, R., Bland-Hawthorn, J., Chiappini, C., Freeman, K. C., Gibson, B. K., Grebel, E. K., Helmi, A., Kordopatis, G., Kunder, A., Navarro, J. Reid, W., Seabroke, G., Steinmetz, M., Watson, F.  
*The R-Process Alliance: Discovery of a Low-  , r-process-enhanced Metal-poor Star in the Galactic Halo*  
**2019**, *The Astrophysical Journal*, vol. 874, 148 ([ADS](#))
38. Hansen, C. J., Hansen, T. T., Koch, A., Beers, T. C., Nordstr  m, B., **Placco, V. M.**, Andersen, J.  
*Abundances and kinematics of carbon-enhanced metal-poor stars in the Galactic halo. A new classification scheme*



based on Sr and Ba

**2019, Astronomy & Astrophysics**, vol. 623, A128 ([ADS](#))

37. Cenarro, A., Moles, M., Cristóbal-Hornillos, D., Marín-Franch, A., Ederoclite, A., Varela, J., López-Sanjuan, C., Hernández-Monteagudo, C., Angulo, R., Vázquez Ramió, H., Viironen, K., Bonoli, S., Orsi, A., Hurier, G., San Roman, I., Vilella-Rojo, G., Díaz-García, L., Logroño-García, R., Gurung-López, S., Spinoso, D., Izquierdo-Villalba, D., Aguerri, J., Allende Prieto, C., Bonatto, C., Carvano, J., Chies-Santos, A., Daflon, S., Dupke, R., Falcón-Barroso, J., Gonçalves, D., Jiménez-Teja, Y., Molino, A., **Placco, V. M.**, Solano, E., Whitten, D., et al.  
*J-PLUS: The Javalambre Photometric Local Universe Survey*

**2019, Astronomy & Astrophysics**, vol. 622, A176 ([ADS](#))

36. López-Sanjuan, C., Vázquez Ramió, H., Varela, J., Spinoso, D., Angulo, R. E., Muniesa, D., Viironen, K., Cristóbal-Hornillos, D., Cenarro, A. J., Ederoclite, A., Marín-Franch, A., Moles, M., Ascaso, B., Bonoli, S., Chies-Santos, A. L., Coelho, P. R., Costa-Duarte, M. V., Cortesi, A., Díaz-García, L. A., Dupke, R. A., Galbany, L., Hernández-Monteagudo, C., Logroño-García, R., Molino, A., Orsi, A., **Placco, V. M.**, Sampedro, L., San Roman, I., Vilella-Rojo, G., Whitten, D., Mendes de Oliveira, C. L., Sodré Jr., L.

*J-PLUS: Morphological star/galaxy classification by PDF analysis*

**2019, Astronomy & Astrophysics**, vol. 622, A177 ([ADS](#))

35. Wanying Fu, S., Simon, J. D., Shetrone, M., Bovy, J., Beers, T. C., Fernández-Trincado, J., **Placco, V. M.**, Zamora, O., Allende-Prieto, C., García-Hernández, D. A., Harding, P., Ivans, I. I., Lane, R., Nitschelm, C., Roman-Lopes, A., Sobeck, J.

*The Origin of the  $300 \text{ km s}^{-1}$  Stream near Segue 1*

**2018, The Astrophysical Journal**, vol. 866, 42 ([ADS](#))

34. Roederer, I. U., Sakari, C. M., **Placco, V. M.**, Beers, T. C., Ezzeddine, R., Frebel, A., Hansen, T. T.  
*The R-Process Alliance: A Comprehensive Abundance Analysis of HD 222925, a Metal-Poor Star with an Extreme R-Process Enhancement of  $[Eu/H] = -0.14$*

**2018, The Astrophysical Journal**, vol. 865, 129 ([ADS](#))

33. Cain, M., Frebel, A., Gull, M., Ji, A. P., **Placco, V. M.**, Beers, T. C., Meléndez, J., Ezzeddine, R., Casey, A. R., Hansen, T. T., Roederer, I. U., Sakari, C.

*The R-Process Alliance: Chemical Abundances for a Trio of R-Process-Enhanced Stars – One Strong, One Moderate, One Mild*

**2018, The Astrophysical Journal**, vol. 864, 43 ([ADS](#))

32. Gull, M., Frebel, A., Cain, M., **Placco, V. M.**, Ji, A. P., Abate, C., Ezzeddine, R., Karakas, A. I., Hansen, T. T., Sakari, C., Holmbeck, E. M., Santucci, R. M., Casey, A. R., Beers, T. C.

*The R-Process Alliance: Discovery of the first metal-poor star with a combined  $r$ - and  $s$ -process element signature*

**2018, The Astrophysical Journal**, vol. 862, 174 ([ADS](#))

31. Yoon, J., Beers, T., Dietz, S., Lee, Y. S., **Placco, V. M.**, Da Costa, G., Keller, S., Owen, C. I., Sharma, M.  
*Galactic Archeology with the AEGIS Survey: The Evolution of Carbon and Iron in the Galactic Halo*

**2018, The Astrophysical Journal**, vol. 861, 146 ([ADS](#))

30. Holmbeck, E. M., Beers, T. C., Roederer, I. U., **Placco, V. M.**, Hansen, T. T., Sakari, C., Sneden, C., Liu, C., Lee, Y. S., Frebel, A.

*The R-Process Alliance: 2MASS J09544277+5246414, The Most Actinide-Enhanced  $r$ -II Star Known*

**2018, The Astrophysical Journal Letters**, vol. 859, 24 ([ADS](#))

29. Hansen, T. T., Holmbeck, E. M., Beers, T. C., **Placco, V. M.**, Roederer, I. U., Frebel, A., Sakari, C. M., Simon, J. D., Thompson, I. B.

*The R-Process Alliance: First Release from Southern Search for R-Process-Enhanced Stars in the Galactic Halo*

**2018, The Astrophysical Journal**, vol. 858, 92 ([ADS](#))

28. Shappee, B. J., Simon, J. D., Drout, M. R., Piro, A. L., Morrell, N., Prieto, J. L., Kasen, D., Holoien, T. W.-S., Kollmeier, J. A., Kelson, D. D., Coulter, D. A., Foley, R. J., Kilpatrick, C. D., Siebert, M. R., Madore, B. F.,



- Murguía-Berthier, A., Pan, Y.-C., Prochaska, J. X., Ramirez-Ruiz, E., Rest, A., Adams, C., Alatalo, K., Banados, E., Baughman, J., Bernstein, R. A., Bitsakis, T., Boutsia, K., Bravo, J. R., Di Mille, F., Higgs, C. R., Ji, A. P., Maravelias, G., Marshall, J. L., **Placco, V. M.**, Prieto, G., Wan, Z.  
*Early Spectra of a Gravitational Wave Source GW170817: Evolution of a Neutron Star Merger*  
**2017**, *Science*, 10.1126/science.aag0186 ([ADS](#))
27. LIGO Scientific Collaboration and Virgo Collaboration, Fermi GBM, INTEGRAL, IceCube Collaboration, . . . , TOROS: Transient Robotic Observatory of the South Collaboration (incl. **Placco, V. M.**), . . .  
*Multi-messenger Observations of a Binary Neutron Star Merger*  
**2017**, *The Astrophysical Journal Letters*, vol. 848, 12 ([ADS](#))
26. Díaz, M. C., Macri, L. M., Garcia Lambas, D., Mendes de Oliveira, C., Nilo Castellón, J. L., Ribeiro, T., Sánchez, B., Schoenell, W., Abramo, L. R., Akas, S., Alcaniz, J. S., Artola, R., Beroiz, M., Bonoli, S., Cabral, J., Camuccio, R., Castillo, M., Chavushyan, V., Coelho, P., Colazo, C., Costa-Duarte, M. V., Cuevas Larenas, H., DePoy, D. L., Domínguez Romero, M., Dultzin, D., Fernández, D., García, J., Girardini, C., Gonçalves, D. R., Gonçalves, T. S., Gurovich, S., Jiménez-Teja, Y., Kanaan, A., Lares, M., Lopes de Oliveira, R., López-Cruz, O., Marshall, J. L., Melia, R., Molino, A., Padilla, N., Peñuela, T., **Placco, V. M.**, Quiñones, C., Ramírez Rivera, A., Renzi, V., Riguccini, L., Ríos-López, E., Rodríguez, H., Sampedro, L., Schneider, M., Sodré, L., Starck, M., Torres-Flores, S., Tornatore, M., Zdrozny, A.  
*Observations of the first electromagnetic counterpart to a gravitational wave source by the TOROS collaboration*  
**2017**, *The Astrophysical Journal Letters*, vol. 848, 29 ([ADS](#))
25. Reggiani, H., Meléndez, J., Kobayashi, C., Karakas, A., Ramírez, I., **Placco, V. M.**  
*Constraining cosmic scatter in the Galactic Halo through a differential analysis of Metal Poor Stars*  
**2017**, *Astronomy & Astrophysics*, vol. 608, 46 ([ADS](#))
24. Kieley, C. L., Venn, K. A., Loewen, N. B., Shetrone, M., **Placco, V. M.**, Jahandar, F., Mészáros, Sz., Martell, S.  
*Carbon-enhanced metal-poor stars in the SDSS-APOGEE database*  
**2017**, *Monthly Notices of the Royal Astronomical Society*, vol. 471, 404 ([ADS](#))
23. Fernández-Trincado, J. G., Zamora, O., Garcia-Hernandez, D. A., Souto, D., Dell’Aglia, F., Schiavon, R. P., Geisler, D., Tang, B., Villanova, S., Hasselquist, S., Mennickent, R. E., Cunha, K., Shetrone, M., Allende-Prieto, C., Vieira, K., Zasowski, G., Sobeck, J., Hayes, C. R., Majewski, S. R., **Placco, V. M.**, Beers, T. C., Schleicher, D. R. G., Robin, A. C., Mészáros, Sz., Masseron, T., García-Perez, A. E., Anders, F., Meza, A., Alves-Brito, A., Carrera, R., Minniti, D., Lane, R. R., Fernandez-Alvar, E., Moreno, E., Pichardo, B., Perez-Villegas, A., Schultheis, M., Roman-Lopes, A., Fuentes, C. E., Nitschelm, C., Harding, P., Bizyaev, D., Pan, K., Oravetz, D., Simmons, A., Ivans, I. I., Blanco-Cuaresma, S., Hernandez, J., Alonso-Garcia, J., Valenzuela, O., Chaname, J.  
*Atypical Mg-poor Milky Way field stars with globular cluster second-generation like chemical patterns*  
**2017**, *The Astrophysical Journal Letters*, vol. 846, 2 ([ADS](#))
22. Hasselquist, S., Shetrone, M., Smith, V. V., Holtzman, J., McWilliam, A., Fernández-Trincado, J. G., Beers, T. C., Majewski, S. R., Nidever, D. L., Tang, B., Tissera, P. B., Fernández-Alvar, E. F., Allende-Prieto, C., Battaglia, G., Carigi, L., Cunha, K., Delgado Inglada, G., Frinchaboy, P., García-Hernández, D. A., Geisler, D., Minniti, D., **Placco, V. M.**, Schultheis, M., Sobeck, J., Villanova, S.  
*APOGEE Chemical Abundances of the Sagittarius Dwarf Galaxy*  
**2017**, *The Astrophysical Journal*, vol. 845, 162 ([ADS](#))
21. Lee, Y. S., Beers, T. C., Kim, Y. K., **Placco, V. M.**, Yoon, J., Carollo, D., Masseron, T., Jung, J.  
*Chemical Cartography. I. A Carbonicity Map of the Galactic Halo*  
**2017**, *The Astrophysical Journal*, vol. 836, 91 ([ADS](#))
20. van Weeren, R. J., Andrade-Santos, F., Dawson, W. A., Golovich, N., Lal, D. V., Kang, H., Ryu, D., Brüggén, M., Ogrean, G. A., Forman, W. R., Jones, C., **Placco, V. M.**, Santucci, R. M., Wittman, D., Jee, M. J., Kraft, R. P., Sobral, D., Stroe, A., Fogarty, K.  
*The Case for Electron Re-Acceleration at Galaxy Cluster Shocks*  
**2017**, *Nature Astronomy*, vol. 1, 5 ([Nature Astronomy link](#) — [Issue cover](#) —

- 
19. Carollo, D., Beers, T., **Placco, V. M.**, Santucci, R. M., Denissenkov, P., Tissera, P. B., Lentner, G., Rossi, S., Lee, Y. S., Tumlinson, J.  
*The age structure of the Milky Way's halo*  
**2016, Nature Physics**, vol. 12, 1170 ([Nature Physics link](#) — [Issue cover](#) —
18. Hasselquist, S., Shetrone, M., Cunha, K., Smith, V. V., Holtzman, J., Lawler, J. E., Beers, T. C., Chojnowski, D., Fernández-Trincado, J., García-Hernández, D., Hearty, F., Majewski, S., Pereira, C., **Placco, V. M.**, Villanova, S., Zamora, O.  
*Identification of Neodymium in the APOGEE H-band Spectra*  
**2016, The Astrophysical Journal**, vol. 833, 81 ([ADS](#))
17. Yoon, J., Beers, T., **Placco, V. M.**, Rasmussen, K., Carollo, D., He, S., Hansen, T., Roederer, I. U., Zeanah, J.  
*Observational Constraints on First-Star Nucleosynthesis. I. Evidence for Multiple Progenitors of CEMP-no Stars*  
**2016, The Astrophysical Journal**, vol. 833, 20 ([ADS](#))
16. Hansen, C. J., Nordström, B., Hansen, T., Kennedy, C. R., **Placco, V. M.**, Beers, T. C., Andersen, J., Cescutti, G., Chiappini, C.  
*Abundances of carbon-enhanced metal-poor stars as constraints on their formation*  
**2016, Astronomy & Astrophysics**, vol. 588, A37 ([ADS](#))
15. Hansen, T., Andersen, J., Nordström, B., Beers, T., **Placco, V. M.**, Yoon, J., Buchhave, L.  
*The role of binaries in the enrichment of the early Galactic halo.III. Carbon-Enhanced Metal-Poor Stars - CEMP-s*  
**2016, Astronomy & Astrophysics**, vol. 588, A3 ([ADS](#))
14. Hansen, T., Andersen, J., Nordström, B., Beers, T., **Placco, V. M.**, Yoon, J., Buchhave, L.  
*The role of binaries in the enrichment of the early Galactic halo.II. Carbon-Enhanced Metal-Poor Stars - CEMP-no*  
**2016, Astronomy & Astrophysics**, vol. 586, A160 ([ADS](#))
13. Hollek, J., Frebel, A., **Placco, V. M.**, Karakas, A., Shetrone, M., Sneden, C., Christlieb, N.  
*The Chemical Abundances of Stars in the Halo (CASH) Project. III. A New Classification Scheme for Carbon-Enhanced Metal-poor Stars with S-process Element Enhancement*  
**2015, The Astrophysical Journal**, vol. 812, 121 ([ADS](#))
12. An, D., Beers, T. C., Santucci, R. M., Carollo, D., **Placco, V. M.**, Lee, Y. S., Rossi, S.  
*The Fractions of Inner- and Outer-Halo Stars in the Local Volume as Revealed by SDSS Photometry of Stripe 82*  
**2015, The Astrophysical Journal Letters**, vol. 813, 28 ([ADS](#))
11. Santucci, R. M., Beers, T. C., **Placco, V. M.**, Carollo, D., Rossi, S., Lee, Y. S., Denissenkov, P., Tumlinson, J., Tissera, P. B.  
*Chronography of the Milky Way's Halo System with Field Blue Horizontal-Branch Stars*  
**2015, The Astrophysical Journal Letters**, vol. 813, 16 ([ADS](#))
10. Frebel, A., Chiti, A., Ji, A. P., Jacobson, H. R., **Placco, V. M.**  
*SD 1313–0019 – Another second-generation star with  $[Fe/H] = -5.0$ , observed with the Magellan Telescope*  
**2015, The Astrophysical Journal Letters**, vol. 810, 27 ([ADS](#))
9. Hansen, T., Hansen, C. J., Christlieb, N., Beers, T. C., Yong, D., Bessell, M. S., Frebel, A., García Pérez, A. E., **Placco, V. M.**, Norris, J. E., Asplund, M.  
*An Elemental Assay of Very, Extremely, and Ultra Metal-Poor Stars*  
**2015, The Astrophysical Journal**, vol. 807, 173 ([ADS](#))
8. Beers, T. C., Norris, J. E., **Placco, V. M.**, Lee, Y. S., Rossi, S., Carollo, D., Masseron, T.  
*Population Studies. XIII. A New Analysis of the Bidelman-MacConnell “Weak-metal” Stars - Confirmation of Metal-poor Stars in the Thick Disk of the Galaxy*  
**2014, The Astrophysical Journal**, vol. 794, 58 ([ADS](#))
-

7. Carollo, D., Freeman, K., Beers, T. C., **Placco, V. M.**, Tumlinson, J., Martell, S. L.  
*Carbon-enhanced Metal-poor Stars: CEMP-s and CEMP-no Subclasses in the Halo System of the Milky Way*  
**2014**, *The Astrophysical Journal*, vol. 788, 180 ([ADS](#))
6. Hansen, T., Hansen, C. J., Christlieb, N., Yong, D., Bessell, M., García Pérez, A., Beers, T. C., **Placco, V. M.**, Frebel, A., Norris, J. E., Asplund, M.  
*Exploring the Origin of Lithium, Carbon, Strontium, and Barium with Four New Ultra Metal-poor Stars*  
**2014**, *The Astrophysical Journal*, vol. 787, 162 ([ADS](#))
5. Kennedy, C. R., Stancliffe, R. J., Kuehn, C., Beers, T. C., Kinman, T. D., **Placco, V. M.**, Reggiani, H., Rossi, S., Lee, Y. S.  
*Seven New Carbon-enhanced Metal-poor RR Lyrae Stars*  
**2014**, *The Astrophysical Journal*, vol. 787, 6 ([ADS](#))
4. Lee Y. S., Beers T. C., Masseron T., Plez B., Rockosi, C., Sobeck, J., Yanny, B., Lucatello, S., Sivarani, T., **Placco, V. M.**, Carollo D.  
*Carbon-enhanced Metal-poor Stars in SDSS/SEGUE. I. Carbon Abundance Estimation and CEMP Star Frequency*  
**2013**, *The Astronomical Journal*, vol. 146, 132 ([ADS](#))
3. Kennedy, C.R., Sivarani, T., Beers, T.C., Lee, Y.S., **Placco, V. M.**, Rossi, S., Christlieb, N., Herwig, F., Plez, B.  
*[O/Fe] Estimates for Carbon-enhanced Metal-poor Stars from Near-infrared Spectroscopy*  
**2011**, *The Astronomical Journal*, vol. 141, 102 ([ADS](#))
2. Marsteller, B., Beers, T. C., Sivarani, T., Rossi, S., **Placco, V. M.**, Knapp, G. R., Johnson, J. A., Lucatello, S.  
*Automated Determination of [Fe/H] and [C/Fe] from Low-Resolution Spectroscopy*  
**2009**, *The Astronomical Journal*, vol. 138, 533 ([ADS](#))
1. Lichtenthäler, R., Lépine-Szily, A., Guimarães, V., Perego, C., **Placco, V. M.**, Camargo, O., Jr., Denke, R., de Faria, P. N., Benjamim, E. A., Added, N., Lima, G. F., Hussein, M. S., Kolata, J., Arazi, A.  
*Radioactive Ion beams in Brazil (RIBRAS)*  
**2005**, *The European Physical Journal A - Supplement*, vol. 25, 733 ([ADS](#))

## Proceedings, non-refereed publications and abstracts

56. Ji, A. P., Casey, A. R., Ting, Y., Holmbeck, E. M., Frebel, A., Usman, S. A., Limberg, G., Shah, S. P., Chiti, A., Ezzeddine, R., Hansen, T. T., **Placco, V. M.**, Roederer, I. U., Sakari, C. M.  
*LESSPayne: Labeling Echelle Spectra with SMHR and Payne*  
**2025**, *Astrophysics Source Code Library*, record ascl:2503.025 ([ADS](#))
55. Fitzpatrick, M., **Placco, V. M.**  
*NOIRLab IRAF - Modernizing Legacy Software to Support Gemini Data Reduction and Beyond*  
**2024**, *NSF's NOIRLab The Mirror*, issue #7 ([The Mirror](#) — [ADS](#))
54. Rantakyro, F., Kalari, V., **Placco, V. M.**  
*GHOST: High-Resolution Optical Spectroscopy at Gemini South*  
**2024**, *NSF's NOIRLab The Mirror*, issue #6 ([The Mirror](#) — [ADS](#))
53. Merino, B., **Placco, V. M.**, Stanghellini, L.  
*US NGO Completes the Science Verification of the GNIRS XD Pipeline*  
**2024**, *NSF's NOIRLab The Mirror*, issue #6 ([The Mirror](#) — [ADS](#))
52. Labrie, K., Simpson, C., Cardenes, R., Turner, J., Soraisam, M., Quint, B., Oberdorf, O., **Placco, V. M.**, Berke, D., Smirnova, O., Conseil, S., Vacca, W. D., Thomas-Osip, J.  
*DRAGONS-A Quick Overview*  
**2023**, *Research Notes of the American Astronomical Society*, vol. 7, 214 ([ADS](#) — [PDF](#))

51. [Placco, V. M.](#), Stanghellini, L.  
*The US National Gemini Office at NSF's NOIRLab*  
**2023**, NSF's NOIRLab *The Mirror*, issue #5 ([The Mirror](#) — [ADS](#))
50. Morate, D., Mahlke, M., Álvarez-Candal, A., Ederoclite, A., Vázquez Ramió, H., Siffert, B. B., [Placco, V. M.](#),  
*Asteroids & J-Var*, **Spanish Meeting of Planetary Sciences and Solar System Exploration**, **2023** ([ADS](#))
49. Roederer, I. U., Vassh, N., Holmbeck, E. M., Mumpower, M., Surman, R., Cowan, J., Beers, T. C., Ezzeddine, R.,  
 Frebel, A., Hansen, T., [Placco, V. M.](#), Sakari, C. *Evidence for transuranic fission fragments in stars*, **American  
 Astronomical Society, AAS Meeting #241**, **2023** ([ADS](#))
48. Lang, A., Roederer, I. U., Holmbeck, E. M., HAttori, K., Beers, T. C., Ezzeddine, R., Frebel, A., Hansen, T.,  
[Placco, V. M.](#), Sakari, C. *Comparing detailed abundances of highly r-process-enhanced stars in the halo of the  
 Milky Way to determine the masses of neutron star merger progenitors*, **American Astronomical Society, AAS  
 Meeting #241**, **2023** ([ADS](#))
47. Merino, B., [Placco, V. M.](#), Stanghellini, L.  
*The US NGO GMOS Data Reduction Cookbook: Version 2.0*  
**2022**, NSF's NOIRLab *The Mirror*, issue #3 ([zenodo](#) — [The Mirror](#) — [ADS](#))
46. Hernández-Fuertes, J., Ramió, H., Ederoclite, A., Infante-Sainz, R., Siffert, B., Espinosa, L., [Placco, V. M.](#),  
 Álvarez-Candal, A., Maícas, N., López-Martínez, F., Varela, J., López-Sanjuan, C., Marín-Franch, A., Cenarro, A.  
*JVAR Transient Discovery Report for 2021-12-14*, **Transient Name Server Discovery Report**, **2021** ([ADS](#))
45. Khan, H., Sakari, C., [Placco, V. M.](#), *Neutron Capture Abundances in the CEMP Star BD+42 2173: A Signature  
 of the Intermediate (i-) Process?*, **American Astronomical Society, AAS Meeting #237**, **2021** ([ADS](#))
44. Shank, D., Beers, T. C., Yoon, J., [Placco, V. M.](#), *Dynamically Tagged Groups of Carbon-Enhanced Metal-Poor  
 Stars from the AEGIS Survey*, **American Astronomical Society, AAS Meeting #237**, **2021** ([ADS](#))
43. Komater, D., Shank, D., Beers, T. C., Yoon, J., [Placco, V. M.](#), *Dynamically Tagged Groups of Metal-Poor Stars  
 from the AEGIS Survey*, **American Astronomical Society, AAS Meeting #237**, **2021** ([ADS](#))
42. Zepeda, J., Rasmussen, K., Beers, T. C., [Placco, V. M.](#), *High-Resolution Spectroscopic Abundances for over  
 200 Metal-Poor Stars*, **American Astronomical Society, AAS Meeting #237**, **2021** ([ADS](#))
41. Hernández-Fuertes, J., Ramió, H. V., Varela, J., Ederoclite, A., Siffert, B. B., Espinosa, L., [Placco, V. M.](#),  
 Álvarez-Candal, A., Maícas, N., López-Sanjuan, C., Marín-Franch, A., Cenarro, A. J.  
*Transient Discovery Report for 2020-12-22*, **Transient Name Server Discovery Report**, **2020** ([ADS](#))
40. Jeong, M., Lee, Y. S., Beers, T. C., [Placco, V. M.](#), *Chemodynamical Properties of Extremely Metal-Poor Stars*,  
**American Astronomical Society, AAS Meeting #235**, **2020**
39. Yoon, J., Beers, T. C., Tian, D., [Placco, V. M.](#), Lee, Y. S., *Origin and evolution of the CEMP-no stars in the  
 Galaxy and its satellite dwarf galaxies*, **American Astronomical Society, AAS Meeting #235**, **2020**
38. The MSE Science Team (incl. [Placco, V. M.](#)), *The Detailed Science Case for the Maunakea Spectroscopic  
 Explorer*, **2019** ([ADS Abstract](#) — [arXiv e-print](#))
37. Vázquez Ramió, H., Cristóbal-Hornillos, D., Ederoclite, A., Whitten, D. D., [Placco, V. M.](#), J-PLUS Team  
*Identification of RR Lyrae stars in the Javalambre Photometric Local Universe Survey*, **Proceedings of the XIII  
 Scientific Meeting of the Spanish Astronomical Society**, **2019** ([ADS](#))
36. Yoon, J., Whitten, D. D., Beers, T. C., [Placco, V. M.](#), Lee, Y. S., Dietz, S., Gudin, D., Rasmussen, K., *Lifting  
 the Veil on Ultra Metal-Poor Stars in the Outermost Halo*, **Rediscovering our Galaxy, Proceedings of the  
 International Astronomical Union**, **2018**, vol. 334 ([ADS](#))
35. Whitten, D. D., [Placco, V. M.](#), Beers, T. C., Clark, S., Ederoclite, A., Mendes de Oliveira, C., *Probing Galactic  
 Chemical Evolution with J-PLUS Photometry*, **Rediscovering our Galaxy, Proceedings of the International  
 Astronomical Union**, **2018**, vol. 334 ([ADS](#))

- 
34. Rasmussen, K., Beers, T. C., [Placco, V. M.](#), Yoon, J., Dietz, S., *Measurement of  $[Fe/H]$  and  $[C/Fe]$  for Metal-Poor Stars from the RAVE Survey*, **Rediscovering our Galaxy, Proceedings of the International Astronomical Union, 2018**, vol. 334 ([ADS](#))
33. Dietz, S., Beers, T. C., [Placco, V. M.](#), Yoon, J., AEGIS Collaboration, *Kinematic and Chemical Analysis of AEGIS Survey Stars*, **Rediscovering our Galaxy, Proceedings of the International Astronomical Union, 2018**, vol. 334 ([ADS](#))
32. Beers, T. C., Holmbeck, E. M., [Placco, V. M.](#), Hansen, T. T., Simon, J. D., Thompson, I., Frebel, A., Sakari, C. M., *New Highly  $r$ -Process-Enhanced Halo Stars*, **Rediscovering our Galaxy, Proceedings of the International Astronomical Union, 2018**, vol. 334 ([ADS](#))
- [31. Placco, V. M.](#) *Identification Of (Bright) Carbon-Enhanced Metal-Poor Stars With J-Plus Photometry*, **Early Data Release and Scientific Exploitation of the J-PLUS Survey, 2017** ([ADS](#))
30. Holmbeck, E. M., [Placco, V. M.](#), Beers, T. C., Frebel, A., Sakari, C., Surman, R. *RAVE J2038-0023: The First Bright  $r$ -Process Enhanced Star Identified in the RAVE Survey*, **Proceedings of the 14th Symposium on Nuclei in the Cosmos, 2017** ([ADS](#))
29. van Weeren, R. J., Andrade-Santos, F., Dawson, W. A., Golovich, N., Lal, D. V., Kang, H., Ryu, D., Brüggen, M., Ogrea, G. A., Forman, W. R., Jones, C., [Placco, V. M.](#), Santucci, R. M., Wittman, D., Jee, M. J., Kraft, R. P., Sobral, D., Stroe, A., Fogarty, K. *Discovery of Electron Re-Acceleration at Galaxy Cluster Shocks*, **American Astronomical Society, AAS Meeting #229, 2017**
28. Yoon, J., Beers, T. C., Dietz, S., Lee, Y. S., [Placco, V. M.](#) *Kinematics and chemistry of faint high latitude dwarf carbon stars*, **American Astronomical Society, AAS Meeting #229, 2017**
27. Beers, T., [Placco, V. M.](#), Holmbeck, E., Hansen, T., Simon, J. *Searching for New Highly  $r$ -Process-Enhanced Stars in the Halo of the Milky Way*, **American Astronomical Society, AAS Meeting #229, 2017**
26. Dietz, S. E., Beers, T. C., Carollo, D., Yoon, J., [Placco, V. M.](#) *Identifying CEMP-s and CEMP-no Stars within Milky Way Halo Structures*, **American Astronomical Society, AAS Meeting #229, 2017**
25. Lentner, G., Beers, T. C., [Placco, V. M.](#), Carollo, D., Whitten, D., Denissenkov, P., Santucci, R., Rossi, S. *Structures in the Milky Way's Halo System using the Age Distribution of Field Horizontal-Branch Stars*, **American Astronomical Society, AAS Meeting #229, 2017**
24. Rasmussen, K., Beers, T. C., [Placco, V. M.](#), Yoon, J. *The First Mass Function and Rise of Carbon in the Early Universe*, **American Astronomical Society, AAS Meeting #229, 2017**
23. Hasselquist, S., Shetrone, M. D., Smith, V. V., Cunha, K., McWilliam, A., Holtzman, J. A., Majewski, S. R., Sobeck, J., Frinchaboy, P. M., Roman-Lopes, A., Ivans, I. I., Allende-Prieto, C., [Placco, V. M.](#), Lane, R., Zasowski, G. *APOGEE Chemical Abundances of the Sagittarius Dwarf Galaxy*, **American Astronomical Society, AAS Meeting #229, 2017**
22. Gimeno, G., Roth, K., Chiboucas, K., Hibon, P., Boucher, L., White, J., Rippa, M., Labrie, K., Turner, J., Hanna, K., Lazo, M., Pérez, G., Rogers, R., Rojas, R., [Placco, V. M.](#), Murowinski, R. *On-sky commissioning of Hamamatsu CCDs in GMOS-S*, **Proceedings of the SPIE, 2016**, vol. 9908, id. 99082S 14 pp. ([SPIE Library](#))
- [21. Placco, V. M.](#), Beers, T. C., *Identifying Bright Carbon-Enhanced Metal-Poor Stars in the RAVE Catalog*, **American Astronomical Society, AAS Meeting #227, 2016**
20. Kennedy, C. R., [Placco, V. M.](#), Beers, T. C., *High-resolution analysis of carbon-enhanced metal-poor stars with Magellan*, **American Astronomical Society, AAS Meeting #227, 2016**
19. Yoon, J., He, S., [Placco, V. M.](#), Carollo, D., Beers, T. C., *Carbon Abundance Plateaus among Carbon-Enhanced Metal-Poor Stars*, **American Astronomical Society, AAS Meeting #227, 2016**
-



- 
18. Beers, T. C., [Placco, V. M.](#), Carollo, D., Santucci, R. M., Rossi, S., Lee, Y. S., Denissenkov, P., Tumlinson, J., Tissera, P., Lentner, G., *Chronography of the Milky Way's Halo System with Field Blue Horizontal-Branch Stars*, **American Astronomical Society, AAS Meeting #227, 2016**
  17. Roth, K., Gimeno, G., Chiboucas, K., Hibon, P., Gomez, P. L., [Placco, V. M.](#), *Commissioning new Hamamatsu CCDs for GMOS-S*, **American Astronomical Society, AAS Meeting #225, 2015**
  16. Beers, T. C., Carollo, D., Keller, S., Casey, A., Lee, Y. S., [Placco, V. M.](#); Skymapper Team, Aegis Collaboration, *Kinematics of the AEGIS Spectroscopic Sample of Milky Way Halo- and Disk-System Stars from SkyMapper*, **American Astronomical Society, AAS Meeting #225, 2015**
  15. Lopes de Oliveira, R., [Placco, V. M.](#), *Unveiling optical and X-ray properties of the high mass X-ray binary XMMU J054134.7-682550*, **Revista Mexicana de Astronomía y Astrofísica (Serie de Conferencias), 2014**, vol. 44, pp. 158-158 ([ADS](#))
  14. Lopes de Oliveira, R., [Placco, V. M.](#), *Eighteen years of the life of the Be/X-ray binary XMMUJ054134.7-682550*, **The X-ray Universe, 2014**
  13. Chene, A. N., Padzer, J., Barrick, G., Anthony, A., Benedict, T., Duncan, D., Gigoux, P., Kleinman, S., Malo, L., Martioli, E., Moutou, C., [Placco, V. M.](#); Reshetovand, V., Rhee, J., Roth, K., Schiavon, R., Tollestrup, E. V., Vermeulen, T. A., White, J., Wooff, R., *GRACES: Gemini remote access to CFHT ESPaDOnS spectrograph through the longest astronomical fiber ever made: experimental phase completed*, **Proceedings of the SPIE, 2014**, vol. 9151, id. 915147 16 pp. ([arXiv e-print](#))
  12. Beers, T. C., Lee, Y. S., [Placco, V. M.](#); Carollo, D., Christlieb, N., Fiorenza, S., *Determination of Physical Parameter Estimates for Metal-Poor Stars from the HK and HES Surveys*, **American Astronomical Society, AAS Meeting #222, 2013**
  11. Beers, T. C., [Placco, V. M.](#); Rossi, S., Christlieb, N., Kennedy, C., *A New Survey for Carbon-Enhanced Metal-Poor Stars in the Halo(es) of the Galaxy*, **American Astronomical Society, AAS Meeting #221, 2013**
  - [10.](#) [Placco, V. M.](#); Beers, T. C., Rossi, S., Kennedy, C., Christlieb, N., Lee, Y. S., *Making Good Use of Bad Weather: Finding Extremely Metal-Poor Stars in the Clouds*, **Astronomical Society of the Pacific, Conference Proceedings, 2012**, vol. 458 p.77 ([ADS](#))
  - [9.](#) [Placco, V. M.](#); Rossi, S., Beers, T. C., Lucatello, S., *Abundance Patterns Among Very Metal-Poor Stars in the Halo of the Galaxy: A Statistical Approach*, **Proceedings of the International Astronomical Union, 2010**, vol. 262, p. 412-413 ([ADS](#))
  - [8.](#) [Placco, V. M.](#); Kennedy, C. R.; Rossi, S., Beers, T. C., Christlieb, N., Sivarani, T., *A Search for Unrecognized Carbon-Enhanced Metal-Poor Stars*, **Proceedings of the International Astronomical Union, 2010**, vol. 265, p. 132-133 ([ADS](#))
  7. Kennedy, C. R., Sivarani, T., Beers, T. C., Rossi, S., [Placco, V. M.](#), Johnson, J., Masseron, T., *Near-IR Spectroscopy of CEMP Stars with SOAR/OSIRIS*, **Proceedings of the International Astronomical Union, 2010**, vol. 265, p. 126-127 ([ADS](#))
  6. Kennedy, C., Beers, T. C., Nordstrom, B., [Placco, V. M.](#); Rossi, S., Sivarani, T., *CNO Abundances in Metal-Poor Stars*, **Proceedings of the 11th Symposium on Nuclei in the Cosmos, 2010** ([ADS](#))
  5. Kennedy, C. R., Sivarani, T., Beers, T. C., Rossi, S., [Placco, V. M.](#), Johnson, J., Masseron, T., *Near-IR Spectroscopy of CEMP Stars with OSIRIS*, **American Astronomical Society, AAS Meeting #213, 2009**
  4. Rossi, S., [Placco, V. M.](#); Beers, T. C., Marsteller, B., Kennedy, C. R., Sivarani, T., Masseron, T., Plez, B., *Refined Estimates of Carbon Abundances for Carbon-Enhanced Metal-Poor Stars*, **First Stars III Conference. AIP Conference Proceedings, 2008**, vol. 990, pp. 154-156 ([ADS](#))
  3. Rossi, S., [Placco, V. M.](#); Beers, T. C., Kennedy, C. R., Marsteller, B., *Refined Estimates of [Fe/H] and [C/Fe] in Metal-Poor Stars*, **Proceedings of the 10th Symposium on Nuclei in the Cosmos, 2008** ([ADS](#))
-



2. Kennedy, C. R., Sivarani, T., Beers, T. C., Lee, Y. S., Rossi, S., [Placco, V. M.](#), *Near-IR Observations Of CEMP Stars With OSIRIS*, **American Astronomical Society, AAS Meeting #211, 2007**
1. Lichtenthäler, R., Lépine-Szily, A., Guimarães, V., Perego, C., [Placco, V. M.](#), Camargo, O., Denke, R., de Faria, P., Benjamim, E., Kuramoto, R., Added, N., Lima, G., Hussein, M., Kolata, J., Arazi, A., *Radioactive Ion Beams in Brazil (RIBRAS)*, **Exotic Nuclei 2004. Proceedings of the International Symposium, 2005.** ([ADS](#))