

## Refereed articles

Total: 127 publications (incl. 18 first, 13 second, 16 third, and 14 fourth author articles)



127. 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 Astrophysical Journal**, submitted
126. 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**, submitted
125. 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**, in press
124. 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**, in press
123. 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**, in press

122. 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](#))
121. 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](#))
120. 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](#))
119. 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](#))
- [118. 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](#))
117. 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](#))
116. 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](#))
115. 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](#))
114. 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](#))
113. 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](#))
112. 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 Ram  o, 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](#))
111. 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](#))
110. 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](#))
- 109.** **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](#))
108. 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., Frelizz, H., Lane, R. R.  
*Gaia-IGRINS synergy: Orbits of Newly Identified Milky Way Star Clusters*  
**2023**, *Astronomy & Astrophysics*, vol. 669, A136 ([ADS](#))
107. 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](#))
106. 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 Ram  o, 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](#))
105. 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](#))

104. 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](#))
103. 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](#))
- [102. 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](#))
101. 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](#))
100. 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](#))
99. 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](#))
98. 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](#))
97. 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](#))
96. 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](#))
95. 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](#))
94. 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](#))

93. 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](#))
92. 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., Sodré Jr., L.  
*J-PLUS: Systematic impact of metallicity on photometric calibration with the stellar locus*  
**2021, Astronomy & Astrophysics**, vol. 654, A61 ([ADS](#))
91. 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-Solache, 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](#))
90. 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](#))
89. 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](#))
88. Limberg, G., Santucci, R. M., Rossi, S., Shank, D., **Placco, V. M.**, Beers, T., Schlafman, K. C., Casey, A. R., Perotoni, 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](#))
- 87. Placco, V. M.**, Roederer, I. U., Lee, Y. S., Almeida-Fernandes, F., Herpich, F. R., Perotoni, 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](#))
86. Whitten, D. D., **Placco, V. M.**, Beers, T., An, D., Lee, Y. S., Almeida-Fernandes, F., Herpich, F., Daflon, S., Barbosa, C., Perotoni, 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](#))
85. 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](#))
84. 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](#))
83. 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.  
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