

## Refereed articles

Total: 139 publications (incl. 19 first, 13 second, 17 third, and 15 fourth author articles)



139. Bandyopadhyay, A., Ezzeddine, R., **Placco, V. M.**, Frebel, A., Roederer, I. U.  
*Probing Stellar Abundance Variations in NGC 2298: Unraveling the Origins of the R-process Enhancements Among its Multiple Stellar Populations*  
**2025, The Astrophysical Journal**, submitted
138. 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**, in press
137. 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, The Astrophysical Journal**, in press
136. 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**, in press
135. 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](#))
134. 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](#))
133. 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  $\sim 5$  million stars from S-PLUS multi-band photometry*  
**2025, Astronomy & Astrophysics**, vol. 693, A306 ([ADS](#))
- 132. 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](#))
131. 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](#))
130. Herpich, F. R., Almeida-Fernandes, F., Oliveira Schwarz, G. B., Lima, E., Nakazono, L., Alonso-García, 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](#))
129. 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](#))
128. 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](#))
127. 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](#))
126. 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](#))
125. 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](#))
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**, vol. 971, 158 ([ADS](#))
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**, vol. 688, 123 ([ADS](#))
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., Díaz, 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  r Jr., L., Vázquez 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](#))

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., Fernández-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., Afşar, M., Frelíj, 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.**, Gudín, 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., Jiménez-Esteban, F., Daflon, S., **Placco, V. M.**, Akas, S., Alfaro, E. J., Galarza, C. A., Gonçalves, D., Liu, J. -F., Cenarro, A., Marín-Franch, A., Varela, J., Ederoclite, A., López-Sanjuan, C., Abramo, R., Alcaniz, J., Benítez, N., Bonoli, S., Cristóbal-Hornillos, D., Dupke, R. A., Hernán-Caballero, A., Mendes de Oliveira, C., Moles, M., Sodré Jr., L. Vázquez Ramió, 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., Côté, 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., Fröhlich, C., Frebel, A., Fryer, C., Fuller, G., Ganguly, A. K., Ghosh, S., Gibson, B., Gorda, T., Gourgoulitos, 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., Friça, 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.  
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