

Bibliography from ADS file: caffau.bib

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- Lombardo, L., Bonifacio, P., François, P., et al., “*Chemical Evolution of R-process Elements in Stars (CERES). I. Stellar parameters and chemical abundances from Na to Zr*”, 2022A&A...665A..10L [ADS](#)
- Lombardo, L., Bonifacio, P., François, P., et al., “*VizieR Online Data Catalog: CERES I. Abundances for 52 star (Lombardo+, 2022)*”, 2022yCat..36650010L [ADS](#)
- Gilmore, G., Randich, S., Worley, C. C., et al., “*The Gaia-ESO Public Spectroscopic Survey: Motivation, implementation, GIRAFFE data processing, analysis, and final data products*”, 2022arXiv220805432G [ADS](#)
- Errani, R., Navarro, J. F., Ibata, R., et al., “*The Pristine survey - XVIII. C-19: tidal debris of a dark matter-dominated globular cluster?*”, 2022MNRAS.514.3532E [ADS](#)
- Yuan, Z., Martin, N. F., Ibata, R. A., et al., “*The Pristine survey - XVII. The C-19 stream is dynamically hot and more extended than previously thought*”, 2022MNRAS.514.1664Y [ADS](#)
- Gaia Collaboration, Vallenari, A., Brown, A. G. A., et al., “*Gaia Data Release 3: Summary of the content and survey properties*”, 2022arXiv220800211G [ADS](#)
- Gaia Collaboration, Galluccio, L., Delbo, M., et al., “*Gaia Data Release 3: Reflectance spectra of Solar System small bodies*”, 2022arXiv220612174G [ADS](#)
- Frémat, Y., Royer, F., Marchal, O., et al., “*Gaia Data Release 3: Properties of the line broadening parameter derived with the Radial Velocity Spectrometer (RVS)*”, 2022arXiv220610986F [ADS](#)
- Gaia Collaboration, Drimmel, R., Romero-Gomez, M., et al., “*Gaia Data Release 3: Mapping the asymmetric disc of the Milky Way*”, 2022arXiv220606207G [ADS](#)
- Gaia Collaboration, De Ridder, J., Ripepi, V., et al., “*Gaia Data Release 3: Pulsations in main sequence OBAF-type stars*”, 2022arXiv220606075G [ADS](#)
- Katz, D., Sartoretti, P., Guerrier, A., et al., “*Gaia Data Release 3 Properties and validation of the radial velocities*”, 2022arXiv220605902K [ADS](#)
- Gaia Collaboration, Creevey, O. L., Sarro, L. M., et al., “*Gaia Data Release 3: A Golden Sample of Astrophysical Parameters*”, 2022arXiv220605870G [ADS](#)
- Sartoretti, P., Marchal, O., Babusiaux, C., et al., “*Gaia Data Release 3: GRVS photometry from the RVS spectra*”, 2022arXiv220605725S [ADS](#)
- Gaia Collaboration, Bailer-Jones, C. A. L., Teyssier, D., et al., “*Gaia Data Release 3: The extragalactic content*”, 2022arXiv220605681G [ADS](#)
- Gaia Collaboration, Arenou, F., Babusiaux, C., et al., “*Gaia Data Release 3: Stellar multiplicity, a teaser for the hidden treasure*”, 2022arXiv220605595G [ADS](#)
- Gaia Collaboration, Recio-Blanco, A., Kordopatis, G., et al., “*Gaia Data Release 3: Chemical cartography of the Milky Way*”, 2022arXiv220605534G [ADS](#)
- Blomme, R., Fremat, Y., Sartoretti, P., et al., “*Gaia Data Release 3: Hot-star radial velocities*”, 2022arXiv220605486B [ADS](#)
- Randich, S., Gilmore, G., Magrini, L., et al., “*The Gaia-ESO Public Spectroscopic Survey: Implementation, data products, open cluster survey, science, and legacy*”, 2022arXiv220602901R [ADS](#)
- Yuan, Z., Malhan, K., Sestito, F., et al., “*The Complexity of the Cetus Stream Unveiled from the Fusion of STREAMFINDER and StarGO*”, 2022ApJ...930..103Y [ADS](#)
- Lucertini, F., Monaco, L., Caffau, E., Bonifacio, P., & Mucciarelli, A., “*Sulfur abundances in the Galactic bulge and disk*”, 2022joks.confE...2L [ADS](#)
- Gaia Collaboration, Klioner, S. A., Lindegren, L., et al., “*Gaia Early Data Release 3: The celestial reference frame (Gaia-CRF3)*”, 2022arXiv220412574G [ADS](#)
- Matas Pinto, A. d. M., Caffau, E., François, P., et al., “*Detailed investigation of two high-speed evolved Galactic stars*”, 2022AN....34310032M [ADS](#)
- Martin, N. F., Venn, K. A., Aguado, D. S., et al., “*A stellar stream remnant of a globular cluster below the metallicity floor*”, 2022Natur.601...45M [ADS](#)
- Lucertini, F., Monaco, L., Caffau, E., Bonifacio, P., & Mucciarelli, A., “*Sulfur abundances in the Galactic bulge and disk*”, 2022A&A...657A..29L [ADS](#)
- Lardo, C., Mashonkina, L., Jablonka, P., et al., “*The Pristine survey - XIV. Chemical analysis of two ultra-metal-poor stars*”, 2021MNRAS.508.3068L [ADS](#)
- Lombardo, L., François, P., Bonifacio, P., et al., “*Young giants of intermediate mass. Evidence of rotation and mixing*”, 2021A&A...656A.155L [ADS](#)
- Seabroke, G. M., Fabricius, C., Teyssier, D., et al., “*VizieR Online Data Catalog: Updated radial velocities from Gaia DR2 (Seabroke+, 2021)*”, 2021yCat..36530160S [ADS](#)
- Matas Pinto, A. M., Spite, M., Caffau, E., et al., “*The metal-poor end of the Spite plateau. II. Chemical and dynamical investigation*”, 2021A&A...654A.170M [ADS](#)
- Seabroke, G. M., Fabricius, C., Teyssier, D., et al., “*Gaia Early Data Release 3. Updated radial velocities from Gaia DR2*”, 2021A&A...653A.160S [ADS](#)
- Matas Pinto, A. M., Spite, M., Caffau, E., et al., “*VizieR Online Data Catalog: Abundances of metal-poor stars (Matas Pinto+, 2021)*”, 2021yCat..36540170M [ADS](#)
- Bonifacio, P., Monaco, L., Salvadori, S., et al., “*TOPoS. VI. The metal-weak tail of the metallicity distribution functions of the Milky Way and the Gaia-Sausage-Enceladus structure*”, 2021A&A...651A..79B [ADS](#)
- Caffau, E., Bonifacio, P., Korotin, S. A., et al., “*The Gaia RVS benchmark stars. I. Chemical inventory of the first sample of evolved stars and its Rb NLTE investigation*”, 2021A&A...651A..20C [ADS](#)
- Bonifacio, P., Monaco, L., Salvadori, S., et al., “*VizieR Online Data Catalog: TO stars metallicity estimate (Bonifacio+, 2021)*”, 2021yCat..36510079B [ADS](#)
- Ibata, R., Malhan, K., Martin, N., et al., “*Charting the Galactic Acceleration Field. I. A Search for Stellar Streams with Gaia DR2 and EDR3 with Follow-up from ESPaDOnS and UVES*”, 2021ApJ...914..123I [ADS](#)
- Gaia Collaboration, Brown, A. G. A., Vallenari, A., et al., “*Gaia Early Data Release 3. Summary of the contents and survey properties (Corrigendum)*”, 2021A&A...650C...3G [ADS](#)
- Caffau, E., Bonifacio, P., Korotin, S. A., et al., “*VizieR Online Data Catalog: Gaia RVS benchmark stars. I. (Caffau+, 2021)*”, 2021yCat..36510020C [ADS](#)
- Gaia Collaboration, Klioner, S. A., Mignard, F., et al., “*Gaia Early Data Release 3. Acceleration of the Solar System from Gaia astrometry*”, 2021A&A...649A...9G [ADS](#)
- Gaia Collaboration, Antoja, T., McMillan, P. J., et al., “*Gaia Early Data Release 3. The Galactic anticentre*”, 2021A&A...649A...8G [ADS](#)
- Gaia Collaboration, Luri, X., Chemin, L., et al., “*Gaia Early Data Release 3. Structure and properties of the Magellanic Clouds*”, 2021A&A...649A...7G [ADS](#)
- Gaia Collaboration, Smart, R. L., Sarro, L. M., et al., “*Gaia Early Data Release 3. The Gaia Catalogue of Nearby Stars*”, 2021A&A...649A...6G [ADS](#)
- Gaia Collaboration, Brown, A. G. A., Vallenari, A., et al., “*Gaia Early Data Release 3. Summary of the contents and survey properties*”, 2021A&A...649A...1G [ADS](#)
- Koch-Hansen, A. J., Hansen, C. J., Lombardo, L., et al., “*Purveyors of fine halos. III. Chemical abundance analysis of a potential ω Cen associate*”, 2021A&A...645A..64K [ADS](#)
- Mignot, S., Bonifacio, P., Pasola, G., et al., “*Fiber links for the WEAVE instrument: the making of*”, 2020SPIE11450E..2FM [ADS](#)
- Dalton, G., Trager, S., Abrams, D. C., et al., “*Integration and early testing of WEAVE: the next-generation spectroscopy facility for the William Herschel Telescope*”, 2020SPIE11447E..14D [ADS](#)
- Gaia Collaboration, Luri, X., Chemin, L., et al., “*VizieR Online Data Catalog: MC structure and properties (Gaia Collaboration+, 2021)*”, 2020yCat..36490007G [ADS](#)
- Gaia Collaboration, Smart, R. L., Sarro, L. M., et al., “*VizieR Online Data Catalog: Gaia Catalogue of Nearby Stars - GCNS (Gaia collaboration, 2021)*”, 2020yCat..36490006G [ADS](#)
- Koch-Hansen, A., Hansen, et al., “*VizieR Online Data Catalog: Potential omega Cen associate EW (Koch-Hansen+, 2021)*”, 2020yCat..36450064K [ADS](#)
- González Hernández, J. I., Rebolo, R., Pasquini, L., et al., “*The solar gravitational redshift from HARPS-LFC Moon spectra. A test of the general theory of relativity*”, 2020A&A...643A.146G [ADS](#)
- Hansen, C. J., Koch, A., Mashonkina, L., et al., “*Mono-enriched stars and Galactic chemical evolution. Possible biases in observations and theory*”, 2020A&A...643A..49H [ADS](#)
- Hansen, C. J., Koch, A., Mashonkina, L., et al., “*VizieR Online Data Catalog: Linelist (Hansen+, 2020)*”, 2020yCat..36430049H [ADS](#)
- Gaia Collaboration, Helmi, A., van Leeuwen, F., et al., “*Gaia Data Release 2. The kinematics of globular clusters and dwarf galaxies around the Milky Way (Corrigendum)*”, 2020A&A...642C...1G [ADS](#)
- François, P., Wanajo, S., Caffau, E., et al., “*Detailed abundances in a sample of very metal-poor stars*”, 2020A&A...642A..25F [ADS](#)
- Gonzalez Hernandez, J. I., Rebolo, R., Pasquini, L., et al., “*VizieR Online Data Catalog: The solar gravitational redshift (Gonzalez Hernandez+, 2020)*”, 2020yCat..36430146G [ADS](#)
- Sbordone, L., Hansen, C. J., Monaco, L., et al., “*A wide angle view of the Sagittarius dwarf spheroidal galaxy. II. A CEMP-r/s star in the Sagittarius dwarf spheroidal galaxy*”, 2020A&A...641A.135S [ADS](#)
- Korotin, S. A., Andrievsky, S. M., Caffau, E., Bonifacio, P., & Oliva, E., “*Study of the departures from LTE in the unevolved stars infrared spectra*”, 2020MNRAS.496.2462K [ADS](#)
- Sbordone, L., Hansen, C. J., Monaco, L., et al., “*VizieR Online Data Catalog: Sgr dSph CEMP-r/s star abundance analysis (Sbordone+, 2020)*”, 2020yCat..36410135S [ADS](#)
- Gonzalez, O. A., Mucciarelli, A., Origlia, L., et al., “*MOONS Surveys of the Milky Way and its Satellites*”, 2020Msngl.180...18G [ADS](#)

- Cirasuolo, M., Fairley, A., Rees, P., et al., “*MOONS: The New Multi-Object Spectrograph for the VLT*”, 2020Msngr.180...10C [ADS](#)
- Caffau, E., Monaco, L., Bonifacio, P., et al., “*High-speed stars: Galactic hitch-hikers*”, 2020A&A...638A.122C [ADS](#)
- Mott, A., Steffen, M., Caffau, E., & Strassmeier, K. G., “*Improving spectroscopic lithium abundances. Fitting functions for 3D non-LTE corrections in FGK stars of different metallicity*”, 2020A&A...638A..58M [ADS](#)
- Gaia Collaboration, Helmi, A., van Leeuwen, F., et al., “*Gaia Data Release 2. Kinematics of globular clusters and dwarf galaxies around the Milky Way (Corrigendum)*”, 2020A&A...637C...3G [ADS](#)
- Caffau, E., Monaco, L., Bonifacio, P., et al., “*VizieR Online Data Catalog: High-speed stars. Galactic hitchhikers (Caffau+, 2020)*”, 2020yCat..36380122C [ADS](#)
- Caffau, E., Bonifacio, P., Sbordone, L., et al., “*The Pristine survey XI: the FORS2 sample*”, 2020MNRAS.493.4677C [ADS](#)
- Di Matteo, P., Spite, M., Haywood, M., et al., “*Reviving old controversies: is the early Galaxy flat or round? Investigations into the early phases of the Milky Way's formation through stellar kinematics and chemical abundances*”, 2020A&A...636A.115D [ADS](#)
- Venn, K. A., Kielty, C. L., Sestito, F., et al., “*The Pristine survey - IX. CFHT ESPaDOnS spectroscopic analysis of 115 bright metal-poor candidate stars*”, 2020MNRAS.492.3241V [ADS](#)
- Aguado, D. S., Youakim, K., González Hernández, J. I., et al., “*Erratum: The Pristine survey - VI. The first three years of medium-resolution follow-up spectroscopy of Pristine EMP star candidates*”, 2020MNRAS.491.5299A [ADS](#)
- Bonifacio, P., Molnar, P., Adibekyan, V., et al., “*VizieR Online Data Catalog: ESPRESSO radial velocities of HE0107-5240 (Bonifacio+, 2020)*”, 2020yCat..36330129B [ADS](#)
- Bonifacio, P., Molnar, P., Adibekyan, V., et al., “*ESPRESSO highlights the binary nature of the ultra-metal-poor giant HE 0107-5240*”, 2020A&A...633A.129B [ADS](#)
- Aguado, D. S., Youakim, K., González Hernández, J. I., et al., “*The Pristine survey - VI. The first three years of medium-resolution follow-up spectroscopy of Pristine EMP star candidates*”, 2019MNRAS.490.2241A [ADS](#)
- Sbordone, L., Monaco, L., Duffau, S., Bonifacio, P., & Caffau, E., “*A wide angle chemical survey of the Sagittarius dwarf Spheroidal galaxy*”, 2019IAUS..344...42S [ADS](#)
- Gonzalez Hernandez, J. I., Bonifacio, P., Caffau, E., et al., “*VizieR Online Data Catalog: Li in BPS CS22876-032 spectrum (Gonzalez Hernandez+, 2019)*”, 2019yCat..36280111G [ADS](#)
- Salvadori, S., Bonifacio, P., Caffau, E., et al., “*Probing the existence of very massive first stars*”, 2019MNRAS.487.4261S [ADS](#)
- Bonifacio, P., Caffau, E., Sestito, F., et al., “*The Pristine survey - V. A bright star sample observed with SOPHIE*”, 2019MNRAS.487.3797B [ADS](#)
- González Hernández, J. I., Bonifacio, P., Caffau, E., et al., “*The $^6\text{Li}/^7\text{Li}$ isotopic ratio in the metal-poor binary CS22876-032*”, 2019A&A...628A.111G [ADS](#)
- Caffau, E., Monaco, L., Bonifacio, P., et al., “*The CEMP star SDSS J0222-0313: the first evidence of proton ingestion in very low-metallicity AGB stars?*”, 2019A&A...628A..46C [ADS](#)
- Sonoi, T., Samadi, R., Belkacem, K., et al., “*Analysis of surface effect on solar-like oscillation frequencies using 3D hydrodynamical models*”, 2019EAS...82..253S [ADS](#)
- Caffau, E., Bonifacio, P., Starkenburg, E., et al., “*VizieR Online Data Catalog: Pristine survey II. Bright stars abundances (Caffau+, 2017)*”, 2019yCat.113380686C [ADS](#)
- Bonifacio, P., Caffau, E., & Spite, M., “*Extremely metal-poor stars: the need for UV spectra*”, 2019BAAS...51c.546B [ADS](#)
- The MSE Science Team, Babusiaux, C., Bergemann, M., et al., “*The Detailed Science Case for the Maunakea Spectroscopic Explorer, 2019 edition*”, 2019arXiv190404907T [ADS](#)
- Bonifacio, P., Caffau, E., Spite, M., & Spite, F., “*On the Connection between Li Depletion and Blue Stragglers and Possible Implications on the Spite Plateau Meltdown*”, 2019RNAAS...3...64B [ADS](#)
- Spite, M., Bonifacio, P., Spite, F., et al., “*Be and O in the ultra metal-poor dwarf 2MASS J18082002-5104378: the Be-O correlation*”, 2019A&A...624A..44S [ADS](#)
- Christlieb, N., Battistini, C., Bonifacio, P., et al., “*4MOST Consortium Survey 2: The Milky Way Halo High-Resolution Survey*”, 2019Msngr.175...3D [ADS](#)
- de Jong, R. S., Agertz, O., Berbel, A. A., et al., “*4MOST: Project overview and information for the First Call for Proposals*”, 2019Msngr.175....3D [ADS](#)
- Gaia Collaboration, Eyer, L., Rimoldini, L., et al., “*Gaia Data Release 2. Variable stars in the colour-absolute magnitude diagram*”, 2019A&A...623A.110G [ADS](#)
- Spite, M., Bonifacio, P., Spite, F., et al., “*VizieR Online Data Catalog: 3D-corrected oxygen abundances for halo stars (Spite+, 2019)*”, 2019yCat..36240044S [ADS](#)
- Caffau, E., Bonifacio, P., Oliva, E., et al., “*Systematic investigation of chemical abundances derived using IR spectra obtained with GIANO*”, 2019A&A...622A..68C [ADS](#)
- Hansen, C. J., El-Souri, M., Monaco, L., et al., “*VizieR Online Data Catalog: Abundances of very metal-poor stars in Sagittarius (Hansen+, 2018)*”, 2019yCat..18550083H [ADS](#)
- Sonoi, T., Ludwig, H. G., Dupret, M. A., et al., “*Calibration of mixing-length parameter α for MLT and FST models by matching with CO⁵BOLD models*”, 2019A&A...621A..84S [ADS](#)
- Starkenburg, E., Aguado, D. S., Bonifacio, P., et al., “*The Pristine survey IV: approaching the Galactic metallicity floor with the discovery of an ultra-metal-poor star*”, 2018MNRAS.481.3838S [ADS](#)
- François, P., Caffau, E., Bonifacio, P., et al., “*TOPoS. V. Abundance ratios in a sample of very metal-poor turn-off stars*”, 2018A&A...620A.187F [ADS](#)
- Manchon, L., Belkacem, K., Samadi, R., et al., “*Influence of metallicity on the near-surface effect on oscillation frequencies*”, 2018A&A...620A.107M [ADS](#)
- François, P., Caffau, E., Bonifacio, P., et al., “*VizieR Online Data Catalog: Very metal-poor turn-off stars abundances (Francois+, 2018)*”, 2018yCat..36200187F [ADS](#)
- Bertelli Motta, C., Pasquali, A., Caffau, E., & Grebel, E. K., “*A chemical study of M67 candidate blue stragglers and evolved blue stragglers observed with APOGEE DR14*”, 2018MNRAS.480.4314B [ADS](#)
- François, P., Caffau, E., Wanajo, S., et al., “*Chemical analysis of very metal-poor turn-off stars from SDSS-DR12*”, 2018A&A...619A..10F [ADS](#)
- Harutyunyan, G., Steffen, M., Mott, A., et al., “*3D non-LTE corrections for Li abundance and $^6\text{Li}/^7\text{Li}$ isotopic ratio in solar-type stars. I. Application to HD 207129 and HD 95456*”, 2018A&A...618A..16H [ADS](#)
- Manchon, L., Belkacem, K., Samadi, R., et al., “*A physically-grounded relation between the metallicity and the surface term affecting stellar oscillation frequencies*”, 2018phos.confE..36M [ADS](#)
- Sonoi, T., Ludwig, H. G., Dupret, M. A., et al., “*Calibration of the mixing length of the MLT and FST models using 3D hydrodynamical models*”, 2018phos.confE..27S [ADS](#)
- Spite, M., Spite, F., François, P., et al., “*A CEMP-no star in the ultra-faint dwarf galaxy Pisces II*”, 2018A&A...617A..56S [ADS](#)
- Cerniauskas, A., Kučinskas, A., Klevas, J., et al., “*Abundance of zinc in the red giants of Galactic globular cluster 47 Tucanae*”, 2018A&A...616A.142C [ADS](#)
- Steffen, M., Gallagher, A. J., Caffau, E., Bonifacio, P., & Ludwig, H. G., “*Carbon-enhanced metal-poor 3D model atmospheres*”, 2018IAUS..334..364S [ADS](#)
- Gaia Collaboration, Mignard, F., Klioner, S. A., et al., “*Gaia Data Release 2. The celestial reference frame (Gaia-CRF2)*”, 2018A&A...616A..14G [ADS](#)
- Gaia Collaboration, Spoto, F., Tanga, P., et al., “*Gaia Data Release 2. Observations of solar system objects*”, 2018A&A...616A..13G [ADS](#)
- Gaia Collaboration, Helmi, A., van Leeuwen, F., et al., “*Gaia Data Release 2. Kinematics of globular clusters and dwarf galaxies around the Milky Way*”, 2018A&A...616A..12G [ADS](#)
- Gaia Collaboration, Katz, D., Antoja, T., et al., “*Gaia Data Release 2. Mapping the Milky Way disc kinematics*”, 2018A&A...616A..11G [ADS](#)
- Gaia Collaboration, Babusiaux, C., van Leeuwen, F., et al., “*Gaia Data Release 2. Observational Hertzsprung-Russell diagrams*”, 2018A&A...616A..10G [ADS](#)
- Gaia Collaboration, Brown, A. G. A., Vallenari, A., et al., “*Gaia Data Release 2. Summary of the contents and survey properties*”, 2018A&A...616A..11G [ADS](#)
- Cerniauskas, A., Kučinskas, A., Klevas, J., et al., “*Abundances of Mg and K in the atmospheres of turn-off stars in Galactic globular cluster 47 Tucanae*”, 2018A&A..615A..173C [ADS](#)
- Harutyunyan, G., Steffen, M., Mott, A., et al., “*VizieR Online Data Catalog: A(Li) and $^6\text{Li}/^7\text{Li}$ 3D NLTE corrections (Harutyunyan+, 2018)*”, 2018yCat..36180016H [ADS](#)
- Caffau, E., Gallagher, A. J., Bonifacio, P., et al., “*VizieR Online Data Catalog: Carbon-enhanced metal-poor stars sample (Caffau+, 2018)*”, 2018yCat..36140068C [ADS](#)
- Caffau, E., Gallagher, A. J., Bonifacio, P., et al., “*Investigation of a sample of carbon-enhanced metal-poor stars observed with FORS and GMOS*”, 2018A&A...614A..68C [ADS](#)
- Bonifacio, P., Caffau, E., Spite, M., et al., “*Gaia Confirms that SDSS J102915+172927 is a Dwarf Star*”, 2018RNAAS...2...19B [ADS](#)
- Kučinskas, A., Klevas, J., Ludwig, H. G., et al., “*Using the CIFIST grid of CO⁵BOLD 3D model atmospheres to study the effects of stellar granulation on photometric colours. II. The role of convection across the H-R diagram*”, 2018A&A...613A..24K [ADS](#)

- Gaia Collaboration, Helmi, A., van Leeuwen, F., et al., “*VizieR Online Data Catalog: Gaia DR2 sources in GC and dSph* (Gaia Collaboration+, 2018)”, 2018yCat..36160012G [ADS](#)
- Bonifacio, P., Caffau, E., Spite, M., et al., “*TOPoS. IV. Chemical abundances from high-resolution observations of seven extremely metal-poor stars*”, 2018A&A..612A..65B [ADS](#)
- Hansen, C. J., El-Souri, M., Monaco, L., et al., “*Ages and Heavy Element Abundances from Very Metal-poor Stars in the Sagittarius Dwarf Galaxy*”, 2018ApJ...855..83H [ADS](#)
- Bonifacio, P., Caffau, E., Ludwig, H. G., et al., “*Using the CIFIST grid of CO⁵BOLD 3D model atmospheres to study the effects of stellar granulation on photometric colours. I. Grids of 3D corrections in the UBVR, 2MASS, HIPPARCOS, Gaia, and SDSS systems*”, 2018A&A..611A..68B [ADS](#)
- Spite, F., Spite, M., Barbuy, B., et al., “*Abundance patterns of the light neutron-capture elements in very and extremely metal-poor stars*”, 2018A&A..611A..30S [ADS](#)
- Bonifacio, P., Caffau, E., Ludwig, H. G., et al., “*VizieR Online Data Catalog: 3D correction in 5 photometric systems (Bonifacio+, 2018)*”, 2018yCat..36110068B [ADS](#)
- Andrievsky, S., Bonifacio, P., Caffau, E., et al., “*Galactic evolution of copper in the light of NLTE computations*”, 2018MNRAS.473.3377A [ADS](#)
- Starkenburg, E., Martin, N., Youakim, K., et al., “*The Pristine survey - I. Mining the Galaxy for the most metal-poor stars*”, 2017MNRAS.471.2587S [ADS](#)
- Ibata, R. A., McConnachie, A., Cuillandre, J.-C., et al., “*Chemical Mapping of the Milky Way with The Canada-France Imaging Survey: A Non-parametric Metallicity-Distance Decomposition of the Galaxy*”, 2017ApJ...848..129I [ADS](#)
- Ibata, R. A., McConnachie, A., Cuillandre, J.-C., et al., “*The Canada-France Imaging Survey: First Results from the u-Band Component*”, 2017ApJ...848..128I [ADS](#)
- Gaia Collaboration, Clementini, G., Eyer, L., et al., “*Gaia Data Release 1. Testing parallaxes with local Cepheids and RR Lyrae stars*”, 2017A&A..605A..79G [ADS](#)
- Duffau, S., Caffau, E., Sbordone, L., et al., “*The Gaia-ESO Survey: Galactic evolution of sulphur and zinc*”, 2017A&A..604A..128D [ADS](#)
- Mott, A., Steffen, M., Caffau, E., Spada, F., & Strassmeier, K. G., “*Lithium abundance and ⁶Li/⁷Li ratio in the active giant HD 123351. I. A comparative analysis of 3D and 1D NLTE line-profile fits*”, 2017A&A..604A..44M [ADS](#)
- Duffau, S., Caffau, E., Sbordone, L., et al., “*VizieR Online Data Catalog: S abundances for 1301 stars from GES (Duffau+, 2017)*”, 2017yCat..36040128D [ADS](#)
- Thygesen, A. O., Kirby, E. N., Gallagher, A. J., et al., “*An Investigation of the Formation and Line Properties of MgH in 3D Hydrodynamical Model Stellar Atmospheres*”, 2017ApJ...843..144T [ADS](#)
- Caffau, E., Bonifacio, P., Starkenburg, E., et al., “*The Pristine survey II: A sample of bright stars observed with FEROS*”, 2017AN....338..686C [ADS](#)
- Černiauskas, A., Kučinskas, A., Klevas, J., et al., “*Abundances of Na, Mg, and K in the atmospheres of red giant branch stars of Galactic globular cluster 47 Tucanae*”, 2017A&A..604A..35C [ADS](#)
- Aguado, D. S., Allende Prieto, C., González Hernández, J. I., Rebolo, R., & Caffau, E., “*New ultra metal-poor stars from SDSS: follow-up GTC medium-resolution spectroscopy*”, 2017A&A..604A..9A [ADS](#)
- Korotin, S., Andrievsky, S., Caffau, E., & Bonifacio, P., “*A Grid of NLTE Corrections for Sulphur Lines in Atmospheres of Cool Stars for the Gaia-ESO Survey*”, 2017ASPC..510..141K [ADS](#)
- Gaia Collaboration, van Leeuwen, F., Vallenari, A., et al., “*Gaia Data Release 1. Open cluster astrometry: performance, limitations, and future prospects*”, 2017A&A..601A..19G [ADS](#)
- Gaia Collaboration, van Leeuwen F., Vallenari, A., et al., “*VizieR Online Data Catalog: Gaia DR1 open cluster members (Gaia Collaboration+, 2017)*”, 2017yCat..36010019G [ADS](#)
- Sonoï, T., Belkacem, K., Dupret, M. A., et al., “*Computation of eigenfrequencies for equilibrium models including turbulent pressure*”, 2017A&A..600A..31S [ADS](#)
- Cerniauskas, A., Kucinskas, A., Klevas, J., et al., “*VizieR Online Data Catalog: NGC104 RGB Na, Mg, and K abundances (Cerniauskas+, 2017)*”, 2017yCat..36040035C [ADS](#)
- Gallagher, A. J., Caffau, E., Bonifacio, P., et al., “*An in-depth spectroscopic examination of molecular bands from 3D hydrodynamical model atmospheres. II. Carbon-enhanced metal-poor 3D model atmospheres*”, 2017A&A..598L..10G [ADS](#)
- Bonifacio, P., Caffau, E., Ludwig, H. G., et al., “*Using CO5BOLD models to predict the effects of granulation on colours.*”, 2017MmSAI..88...90B [ADS](#)
- Gallagher, A. J., Steffen, M., Caffau, E., et al., “*Enhanced methods for computing spectra from CO5BOLD models using Linfor3D. Molecular bands in metal-poor stars*”, 2017MmSAI..88...82G [ADS](#)
- Mott, A., Steffen, M., Caffau, E., & Strassmeier, K. G., “*Lithium in the active sub-giant HD123351. A quantitative analysis with 3D and 1D model atmospheres using different observed spectra*”, 2017MmSAI..88...68M [ADS](#)
- Harutyunyan, G., Steffen, M., Mott, A., et al., “*3D non-LTE corrections for the ⁶Li/⁷Li isotopic ratio in solar-type stars*”, 2017MmSAI..88...61H [ADS](#)
- Caffau, E., Malherbe, J. M., Steffen, M., Ludwig, H. G., & Mott, A., “*Investigation of the solar centre-to-limb variation of oxygen and lithium spectral features*”, 2017MmSAI..88...45C [ADS](#)
- Gaia Collaboration, Brown, A. G. A., Vallenari, A., et al., “*Gaia Data Release 1. Summary of the astrometric, photometric, and survey properties*”, 2016A&A..595A..2G [ADS](#)
- Gaia Collaboration, Prusti, T., de Bruijne, J. H. J., et al., “*The Gaia mission*”, 2016A&A..595A..1G [ADS](#)
- Caffau, E., Bonifacio, P., Spite, M., et al., “*TOPOs. III. An ultra iron-poor multiple CEMP system*”, 2016A&A..595L..6C [ADS](#)
- Spite, M., Spite, F., Gallagher, A. J., et al., “*Abundances in a sample of turnoff and subgiant stars in NGC 6121 (M 4)*”, 2016A&A..594A..79S [ADS](#)
- Ruchti, G. R., Feltzing, S., Lind, K., et al., “*A new algorithm for optimizing the wavelength coverage for spectroscopic studies: Spectral Wavelength Optimization Code (SWOC)*”, 2016MNRAS.461.2174R [ADS](#)
- Gallagher, A. J., Caffau, E., Bonifacio, P., et al., “*An in-depth spectroscopic examination of molecular bands from 3D hydrodynamical model atmospheres. I. Formation of the G-band in metal-poor dwarf stars*”, 2016A&A..593A..48G [ADS](#)
- Spite, M., Spite, F., Gallagher, A. J., et al., “*VizieR Online Data Catalog: NGC 6121 turnoff and subgiant stars abundances (Spite+, 2016)*”, 2016yCat..35940079S [ADS](#)
- Caffau, E., Mott, A., Harutyunyan, G., Malherbe, J.-M., & Steffen, M., “*Investigation of the lithium 670.7 nm wavelength range in the solar spectrum*”, 2016cosp...41E.281C [ADS](#)
- McConnachie, A. W., Babusiaux, C., Balogh, M., et al., “*A concise overview of the Maunakea Spectroscopic Explorer*”, 2016arXiv160600060M [ADS](#)
- McConnachie, A., Babusiaux, C., Balogh, M., et al., “*The Detailed Science Case for the Maunakea Spectroscopic Explorer: the Composition and Dynamics of the Faint Universe*”, 2016arXiv160600043M [ADS](#)
- Klevas, J., Kučinskas, A., Steffen, M., Caffau, E., & Ludwig, H. G., “*Lithium spectral line formation in stellar atmospheres. The impact of convection and NLTE effects*”, 2016A&A..586A..156K [ADS](#)
- Siqueira-Mello, C., Spite, M., Barbuy, B., et al., “*HST/STIS abundances in the uranium rich metal poor star CS 31082-001: Constraints on the r-Process*”, 2016JPhCS.665a2056S [ADS](#)
- Caffau, E., Andrievsky, S., Korotin, S., et al., “*GIANO Y-band spectroscopy of dwarf stars: Phosphorus, sulphur, and strontium abundances*”, 2016A&A..585A..16C [ADS](#)
- Caffau, E., Mott, A., Steffen, M., et al., “*Chemical composition of a sample of bright solar-metallicity stars*”, 2015AN....336..968C [ADS](#)
- Sonoï, T., Samadi, R., Belkacem, K., et al., “*Surface-effect corrections for solar-like oscillations using 3D hydrodynamical simulations. I. Adiabatic oscillations*”, 2015A&A..583A..112S [ADS](#)
- Steffen, M., Prakapavicius, D., Caffau, E., et al., “*The photospheric solar oxygen project. IV. 3D-NLTE investigation of the 777 nm triplet lines*”, 2015A&A..583A..57S [ADS](#)
- Spite, M., Spite, F., Caffau, E., & Bonifacio, P., “*Lithium abundance in a turnoff halo star on an extreme orbit*”, 2015A&A..582A..74S [ADS](#)
- Spite, M., Spite, F., Caffau, E., & Bonifacio, P., “*VizieR Online Data Catalog: WISE J072543.88-235119.7 line abundances (Spite+, 2015)*”, 2015yCat..35820074S [ADS](#)
- Hansen, C. J., Ludwig, H. G., Seifert, W., et al., “*Stellar science from a blue wavelength range. A possible design for the blue arm of 4MOST*”, 2015AN....336..665H [ADS](#)
- Korotin, S. A., Andrievsky, S. M., Hansen, C. J., et al., “*Grid of theoretical NLTE equivalent widths of four Ba ii lines and barium abundance in cool stars*”, 2015A&A..581A..70K [ADS](#)
- Korotin, S. A., Andrievsky, S. M., Hansen, C. J., et al., “*VizieR Online Data Catalog: Grid of NLTE EW and NLTE corrections BaII lines (Korotin+, 2015)*”, 2015yCat..35810070K [ADS](#)
- Bonifacio, P., Caffau, E., Zaggia, S., et al., “*Chemical abundances of giant stars in the Crater stellar system*”, 2015A&A..579L..6B [ADS](#)
- Sbordone, L., Monaco, L., Moni Bidin, C., et al., “*Chemical abundances of giant stars in <ASTROBJ>NGC 5053</ASTROBJ> and <ASTROBJ>NGC 5634</ASTROBJ>, two globular clusters associated with the Sagittarius dwarf spheroidal galaxy*”, 2015A&A..579A..104S [ADS](#)
- Caffau, E., Ludwig, H. G., Steffen, M., et al., “*The photospheric solar oxygen project. III. Investigation of the centre-to-limb variation of the 630 nm [O I]-[Ni I] blend*”, 2015A&A..579A..88C [ADS](#)
- Bonifacio, P., Caffau, E., Spite, M., et al., “*TOPOs. II. On the bimodality of carbon abundance in CEMP stars Implications on the early chemical evolution of galaxies*”, 2015A&A..579A..28B [ADS](#)

- Bonifacio, P., Caffau, E., Spite, M., et al., “*VizieR Online Data Catalog: Abundances of 3 CEMP stars (Bonifacio+, 2015)*”, 2015yCat..35790028B ADS
- Sbordone, L., Monaco, L., Moni Bidin, C., et al., “*VizieR Online Data Catalog: Abundances in NGC 5053 and NGC 5634 (Sbordone+, 2015)*”, 2015yCat..357700104S ADS
- Kacharov, N., Koch, A., Caffau, E., & Sbordone, L., “*Galactic evolution of sulphur as traced by globular clusters*”, 2015A&A..577A..18K ADS
- Dobrovolskas, V., Kučinskas, A., Bonifacio, P., et al., “*Three-dimensional hydrodynamical CO⁵BOLD model atmospheres of red giant stars. IV. Oxygen diagnostics in extremely metal-poor red giants with infrared OH lines*”, 2015A&A..576A..128D ADS
- Kacharov, N., Koch, A., Caffau, E., & Sbordone, L., “*VizieR Online Data Catalog: Reduced CRIRES spectra around S multiplet 3 (Kacharov+, 2015)*”, 2015yCat..35770018K ADS
- Kucinskas, A., Dobrovolskas, V., Bonifacio, P., et al., “*Oxygen in the Early Galaxy: OH Lines as Tracers of Oxygen Abundance in Extremely Metal-Poor Giant Stars*”, 2015csss...18..327K ADS
- Evans, C., Puech, M., Afonso, J., et al., “*The Science Case for Multi-Object Spectroscopy on the European ELT*”, 2015arXiv150104726E ADS
- Puspitarini, L., Lallement, R., Babusiaux, C., et al., “*The Gaia-ESO Survey: Extracting diffuse interstellar bands from cool star spectra. DIB-based interstellar medium line-of-sight structures at the kpc scale*”, 2015A&A..573A..35P ADS
- Spite, M., Spite, F., Bonifacio, P., et al., “*VizieR Online Data Catalog: Abundances in 2 extremely metal-poor stars (Spite+, 2014)*”, 2014yCat..35710040S ADS
- Çalışkan, Ş., Caffau, E., Bonifacio, P., et al., “*Chemical abundances of the metal-poor horizontal-branch stars <ASTROBJ>CS 22186-005</ASTROBJ> and <ASTROBJ>CS 30344-033</ASTROBJ>*”, 2014A&A..571A..62C ADS
- Spite, M., Spite, F., Bonifacio, P., et al., “*The low Sr/Ba ratio on some extremely metal-poor stars*”, 2014A&A..571A..40S ADS
- Smiljanic, R., Korn, A. J., Bergemann, M., et al., “*The Gaia-ESO Survey: The analysis of high-resolution UVES spectra of FGK-type stars*”, 2014A&A..570A..122S ADS
- Caffau, E., Monaco, L., Spite, M., et al., “*Clues on the Galactic evolution of sulphur from star clusters*”, 2014A&A..568A..29C ADS
- Dobrovolskas, V., Kučinskas, A., Bonifacio, P., et al., “*VizieR Online Data Catalog: Abundances of 47 Tuc turn-off stars (Dobrovolskas+, 2014)*”, 2014yCat..35650121D ADS
- Evans, C. J., Puech, M., Barbuy, B., et al., “*Science case and requirements for the MOSAIC concept for a multi-object spectrograph for the European Extremely Large Telescope*”, 2014SPIE.9147E..96E ADS
- de Jong, R. S., Barden, S., Bellido-Tirado, O., et al., “*4MOST: 4-metre Multi-Object Spectroscopic Telescope*”, 2014SPIE.9147E..0MD ADS
- Dobrovolskas, V., Kučinskas, A., Bonifacio, P., et al., “*Abundances of lithium, oxygen, and sodium in the turn-off stars of Galactic globular cluster 47 Tucanae*”, 2014A&A..565A..121D ADS
- Siqueira Mello, C., Hill, V., Barbuy, B., et al., “*High-resolution abundance analysis of very metal-poor r-I stars*”, 2014A&A..565A..93S ADS
- Monaco, L., Boffin, H. M. J., Bonifacio, P., et al., “*A super lithium-rich red-clump star in the open cluster Trumpler 5*”, 2014A&A..564L..6M ADS
- Sbordone, L., Caffau, E., Bonifacio, P., & Duffau, S., “*MyGIsFOS: an automated code for parameter determination and detailed abundance analysis in cool stars*”, 2014A&A..564A..109S ADS
- Siqueira Mello, C., Hill, V., Barbuy, B., et al., “*High-Resolution Abundance Analysis of Very Metal-Poor R-I Stars*”, 2014nic..confE.157S ADS
- Caffau, E., Gallagher, A., Bonifacio, P., et al., “*The first generations of stars*”, 2014nic..confE..53C ADS
- Gonzalez-Hernandez, J., Caffau, E., Ludwig, H. G., et al., “*6Li/7Li isotopic ratio in the most metal-poor binary CS22876-032*”, 2014nic..confE..23G ADS
- Siqueira-Mello, C., Barbuy, B., Spite, M., et al., “*r-Process abundances in metal-poor Galactic halo stars*”, 2014MmSAI..85..232S ADS
- Caffau, E., Sbordone, L., Bonifacio, P., et al., “*TOPoS: chemical study of extremely metal-poor stars*”, 2014MmSAI..85..222C ADS
- Hansen, C. J., Caffau, E., & Bergemann, M., “*Srtronium in the era of Gaia and LAMOST*”, 2014IAUS..298..409H ADS
- Çalışkan, Ş., Caffau, E., Bonifacio, P., Sbordone, L., & Albayrak, B., “*Abundance analysis of three metal poor stars: CS 22166-0030, CS 22186-0005, and CS 30344-0033*”, 2014IAUS..298..381C ADS
- Ludwig, H. G., Steffen, M., Bonifacio, P., et al., “*3D modeling of stellar atmospheres and the impact on the understanding of the reliability of elemental abundances in stars as tracers of galactic chemical evolution*”, 2014IAUS..298..343L ADS
- Caffau, E., Steffen, M., Bonifacio, P., et al., “*Isotope spectroscopy*”, 2014AN....335..59C ADS
- Caffau, E., Bonifacio, P., Sbordone, L., et al., “*TOPoS. I. Survey design and analysis of the first sample*”, 2013A&A..560A..71C ADS
- Caffau, E., Bonifacio, P., François, P., et al., “*X-shooter GTO: evidence for a population of extremely metal-poor, alpha-poor stars*”, 2013A&A..560A..15C ADS
- Dobrovolskas, V., Kučinskas, A., Steffen, M., et al., “*Three-dimensional hydrodynamical CO⁵BOLD model atmospheres of red giant stars. III. Line formation in the atmospheres of giants located close to the base of the red giant branch*”, 2013A&A..559A..102D ADS
- Samadi, R., Belkacem, K., Ludwig, H. G., et al., “*Stellar granulation as seen in disk-integrated intensity. II. Theoretical scaling relations compared with observations*”, 2013A&A..559A..40S ADS
- Tremblay, P. E., Ludwig, H. G., Freytag, B., Steffen, M., & Caffau, E., “*Granulation properties of giants, dwarfs, and white dwarfs from the CIFIST 3D model atmosphere grid*”, 2013A&A..557A..7T ADS
- Müller, A., Roccatagliata, V., Henning, T., et al., “*Reanalysis of the FEROS observations of HIP 11952*”, 2013A&A..556A..3M ADS
- Caffau, E., Ludwig, H. G., Malherbe, J. M., et al., “*The photospheric solar oxygen project. II. Non-concordance of the oxygen abundance derived from two forbidden lines*”, 2013A&A..554A..126C ADS
- Spite, M., Caffau, E., Bonifacio, P., et al., “*Carbon-enhanced metal-poor stars: the most pristine objects?*”, 2013A&A..552A..107S ADS
- Ayres, T. R., Lyons, J. R., Ludwig, H. G., Caffau, E., & Wedemeyer-Böhm, S., “*Isotopic CO in the Solar Photosphere, Viewed Through the Lens of 3D Spectrum Synthesis*”, 2013LPI....44.3038A ADS
- Samadi, R., Belkacem, K., Dupret, M. A., et al., “*Amplitudes of solar-like oscillations in red giants: Departures from the quasi-adiabatic approximation*”, 2013EPJWC..4303008S ADS
- Li, H. N., Ludwig, H. G., Caffau, E., Christlieb, N., & Zhao, G., “*Fluorine Abundances of Galactic Low-metallicity Giants*”, 2013ApJ...765..51L ADS
- Ayres, T. R., Lyons, J. R., Ludwig, H. G., Caffau, E., & Wedemeyer-Böhm, S., “*Is the Sun Lighter than the Earth? Isotopic CO in the Photosphere, Viewed through the Lens of Three-dimensional Spectrum Synthesis*”, 2013ApJ...765..46A ADS
- Caffau, E., Koch, A., Sbordone, L., et al., “*Velocity and abundance precisions for future high-resolution spectroscopic surveys: A study for 4MOST*”, 2013AN....334..197C ADS
- Evans, C., Puech, M., Barbuy, B., et al., “*ELT-MOS White Paper: Science Overview & Requirements*”, 2013arXiv1303.0029E ADS
- Siqueira Mello, C., Spite, M., Barbuy, B., et al., “*First stars. XVI. HST/STIS abundances of heavy elements in the uranium-rich metal-poor star CS 31082-001*”, 2013A&A..550A..122S ADS
- Allende Prieto, C., Koesterke, L., Ludwig, H. G., Freytag, B., & Caffau, E., “*Convective line shifts for the Gaia RVS from the CIFIST 3D model atmosphere grid*”, 2013A&A..550A..103A ADS
- Bonifacio, P., Caffau, E., Ludwig, H. G., et al., “*Molecular bands in extremely metal-poor stars: Granulation effects*”, 2013MSAIS..24..138B ADS
- Mashonkina, L., Ludwig, H. G., Korn, A., Sitnova, T., & Caffau, E., “*Signs of atmospheric inhomogeneities in cool stars from 1D-NLTE analysis of iron lines*”, 2013MSAIS..24..120M ADS
- Prakapavičius, D., Steffen, M., Kučinskas, A., et al., “*Oxygen spectral line synthesis: 3D non-LTE with CO⁵BOLD hydrodynamical model atmospheres.*”, 2013MSAIS..24..111P ADS
- Ayres, T. R., Lyons, J. R., Ludwig, H. G., Caffau, E., & Wedemeyer-Böhm, S., “*Solar carbon monoxide: poster child for 3D effects .*”, 2013MSAIS..24..85A ADS
- Kučinskas, A., Ludwig, H. G., Steffen, M., et al., “*The influence of convection on the atmospheric structures and observable properties of red giant stars.*”, 2013MSAIS..24..68K ADS
- Steffen, M., Caffau, E., & Ludwig, H. G., “*Micro- and macroturbulence predictions from CO⁵BOLD 3D stellar atmospheres .*”, 2013MSAIS..24..37S ADS
- Caffau, E. & Sbordone, L., “*CO⁵BOLD workshop 2012*”, 2013MSAIS..24..3C ADS
- Kučinskas, A., Steffen, M., Ludwig, H. G., et al., “*Three-dimensional hydrodynamical CO⁵BOLD model atmospheres of red giant stars. II. Spectral line formation in the atmosphere of a giant located near the RGB tip*”, 2013A&A..549A..14K ADS
- Siqueira-Mello, C., J., Spite, M., Barbuy, B., et al., “*r-process abundances in the EMP star CS 31082-001 using STIS/HST*”, 2012sf2a.conf..129S ADS
- Posbic, H., Katz, D., Haywood, M., et al., “*Constraining the Milky Way thick disk formation: Chemical characterization of the thick disk outside of the solar neighbourhood*”, 2012sf2a.conf..103P ADS
- Allende Prieto, C., Koesterke, L. L. H. G., Freytag, B., & Caffau, E., “*VizieR Online Data Catalog: Model 1D (LHD) and 3D (CO⁵BOLD) spectra (Allende Prieto+, 2013)*”, 2012yCat..35500103A ADS
- Posbic, H., Katz, D., Caffau, E., et al., “*SPADES: Stellar Parameters Determination Software*”, 2012arXiv1209.0407P ADS
- Sartoretti, P., Leclerc, N., Walcher, J., et al., “*4MOST spectral data simulation*”, 2012SPIE.8446E..5PS ADS

- de Jong, R. S., Bellido-Tirado, O., Chiappini, C., et al., “4MOST: 4-metre multi-object spectroscopic telescope”, 2012SPIE.8446E..0TD [ADS](#)
- Sbordone, L., Caffau, E., & Bonifacio, P., “Detailed abundances in EMP dwarfs from SDSS”, 2012AIPC.1480..160S [ADS](#)
- Sbordone, L., Bonifacio, P., Caffau, E., & Ludwig, H. G., “Detailed Abundances in Extremely Metal Poor Dwarf Stars Extracted from SDSS”, 2012ASPC..458..69S [ADS](#)
- Posbic, H., Katz, D., Caffau, E., et al., “SPADES: a stellar parameters determination software”, 2012A&A..544A.154P [ADS](#)
- Bonifacio, P., Caffau, E., Venn, K. A., & Lambert, D. L., “An upper limit on the sulphur abundance in HE 1327-2326”, 2012A&A..544A.102B [ADS](#)
- Samadi, R., Belkacem, K., Dupret, M. A., et al., “Amplitudes of solar-like oscillations in red giant stars. Evidence for non-adiabatic effects using CoRoT observations”, 2012A&A..543A.120S [ADS](#)
- Bonifacio, P., Sbordone, L., Caffau, E., et al., “Chemical abundances of distant extremely metal-poor unevolved stars”, 2012A&A..542A..87B [ADS](#)
- Caffau, E., Bonifacio, P., François, P., et al., “A primordial star in the heart of the Lion”, 2012A&A..542A..51C [ADS](#)
- Monaco, L., Villanova, S., Bonifacio, P., et al., “VizieR Online Data Catalog: Li and Na in globular cluster M4 (Monaco+, 2012)”, 2012yCat..35390157M [ADS](#)
- Spite, M., Andrievsky, S. M., Spite, F., et al., “NLTE determination of the calcium abundance and 3D corrections in extremely metal-poor stars”, 2012A&A..541A.143S [ADS](#)
- Bonifacio, P., Caffau, E., Ludwig, H. G., & Steffen, M., “LTE Model Atmospheres: MARCS, ATLAS and CO5BOLD”, 2012IAUS..282..213B [ADS](#)
- Setiawan, J., Roccatagliata, V., Fedele, D., et al., “Planetary companions around the metal-poor star HIP 11952”, 2012A&A..540A.141S [ADS](#)
- Dobrovolskas, V., Kučinskas, A., Andrievsky, S. M., et al., “Barium abundance in red giants of NGC 6752. Non-local thermodynamic equilibrium and three-dimensional effects”, 2012A&A..540A.128D [ADS](#)
- Cescutti, G., Matteucci, F., Caffau, E., & François, P., “Chemical evolution of the Milky Way: the origin of phosphorus”, 2012A&A..540A..33C [ADS](#)
- Spite, M., Andrievsky, S. M., Spite, F., et al., “VizieR Online Data Catalog: NLTE Corrections of the Ca lines (Spite+, 2012)”, 2012yCat..35410143S [ADS](#)
- Gilmore, G., Randich, S., Asplund, M., et al., “The Gaia-ESO Public Spectroscopic Survey”, 2012Msngr.147..25G [ADS](#)
- Monaco, L., Villanova, S., Bonifacio, P., et al., “Lithium and sodium in the globular cluster <ASTROBJ>M 4</ASTROBJ>. Detection of a Li-rich dwarf star: preservation or pollution?”, 2012A&A..539A.157M [ADS](#)
- Caffau, E., Bonifacio, P., Sbordone, L., et al., “Observing metal-poor stars with X-Shooter”, 2012Msngr..83.1161C [ADS](#)
- Steffen, M., Cayrel, R., Caffau, E., et al., “ ^{6}Li detection in metal-poor stars: can 3D model atmospheres solve the second lithium problem?”, 2012MSAIS..22..152S [ADS](#)
- Sbordone, L., Bonifacio, P., & Caffau, E., “Lithium abundances in extremely metal-poor turn-off stars”, 2012MSAIS..22..29S [ADS](#)
- Spite, M., Spite, F., Bonifacio, P., et al., “Preliminary determination of the Non-LTE Calcium abundance in a sample of extremely metal-poor stars”, 2011sf2a.conf..353S [ADS](#)
- Posbic, H., Katz, D., Caffau, E., et al., “SPADES: a Stellar PArameters DEtermination Software”, 2011sf2a.conf..333P [ADS](#)
- Caffau, E., Bonifacio, P., François, P., et al., “X-shooter Finds an Extremely Primitive Star”, 2011Msngr.146..28C [ADS](#)
- Koch, A. & Caffau, E., “Sulphur in the metal poor globular cluster NGC 6397”, 2011A&A..534A..52K [ADS](#)
- Caffau, E., Bonifacio, P., François, P., et al., “X-Shooter GTO: chemical analysis of a sample of EMP candidates”, 2011A&A..534A..4C [ADS](#)
- Bonifacio, P., Caffau, E., Ludwig, H.-G., & Steffen, M., “LTE model atmospheres MARCS, ATLAS and CO5BOLD”, 2011arXiv1109.0717B [ADS](#)
- Caffau, E., Bonifacio, P., François, P., et al., “An extremely primitive star in the Galactic halo”, 2011Natur.477..67C [ADS](#)
- Caffau, E., Bonifacio, P., Faraggiana, R., & Steffen, M., “The Galactic evolution of phosphorus”, 2011A&A..532A..98C [ADS](#)
- Mucciarelli, A., Cristallo, S., Brocato, E., et al., “NGC 1866: a milestone for understanding the chemical evolution of stellar populations in the Large Magellanic Cloud”, 2011MNRAS.413..837M [ADS](#)
- Spite, M., Caffau, E., Andrievsky, S. M., et al., “First stars. XIV. Sulfur abundances in extremely metal-poor stars”, 2011A&A..528A..9S [ADS](#)
- Bonifacio, P., Caffau, E., François, P., et al., “Extremely metal-poor stars in SDSS fields”, 2011AN...332..251B [ADS](#)
- Caffau, E., Ludwig, H. G., Steffen, M., Freytag, B., & Bonifacio, P., “Solar Chemical Abundances Determined with a CO5BOLD 3D Model Atmosphere”, 2011SoPh..268..255C [ADS](#)
- Caffau, E., Faraggiana, R., Ludwig, H. G., Bonifacio, P., & Steffen, M., “The solar photospheric abundance of zirconium”, 2011AN...332..128C [ADS](#)
- Bonifacio, P., Caffau, E., & Ludwig, H. G., “Cu I resonance lines in turn-off stars of NGC 6752 and NGC 6397. Effects of granulation from CO5BOLD models”, 2010A&A..524A..96B [ADS](#)
- Sbordone, L., Bonifacio, P., Caffau, E., et al., “The metal-poor end of the Spite plateau. I. Stellar parameters, metallicities, and lithium abundances”, 2010A&A..522A..26S [ADS](#)
- González Hernández, J. I., Bonifacio, P., Ludwig, H. G., et al., “Galactic evolution of oxygen. OH lines in 3D hydrodynamical model atmospheres”, 2010A&A..519A..46G [ADS](#)
- Sbordone, L., Bonifacio, P., Caffau, E., et al., “VizieR Online Data Catalog: Fe Abundances in metal-poor stars (Sbordone+ 2010)”, 2010yCat..35220026S [ADS](#)
- Bonifacio, P., Arenou, F., Babusiaux, C., et al., “Science with GYES: a multifibre high-resolution spectrograph for the prime focus of the Canada-France-Hawaii Telescope”, 2010SPIE.7735E..0EB [ADS](#)
- Caffau, E., Sbordone, L., Ludwig, H. G., Bonifacio, P., & Spite, M., “Sulphur abundances in halo stars from multiplet 3 at 1045 nm”, 2010AN...331..725C [ADS](#)
- Caffau, E., Ludwig, H. G., Bonifacio, P., et al., “The solar photospheric abundance of carbon. Analysis of atomic carbon lines with the CO5BOLD solar model”, 2010A&A..514A..92C [ADS](#)
- Sbordone, L., Bonifacio, P., Caffau, E., et al., “The metal-poor end of the Spite plateau: gravity sensitivity of the H α wings fitting”, 2010IAUS..268..355S [ADS](#)
- Caffau, E., Ludwig, H.-G., Steffen, M., & Bonifacio, P., “A 3D-NLTE study of the 670 nm solar lithium feature”, 2010IAUS..268..329C [ADS](#)
- González Hernández, J. I., Bonifacio, P., Caffau, E., et al., “Main-sequence and sub-giant stars in the globular cluster NGC 6397: The complex evolution of the lithium abundance”, 2010IAUS..268..257G [ADS](#)
- Steffen, M., Cayrel, R., Bonifacio, P., Ludwig, H. G., & Caffau, E., “Convection and ^{6}Li in the atmospheres of metal-poor halo stars”, 2010IAUS..268..215S [ADS](#)
- Behara, N. T., Bonifacio, P., Ludwig, H. G., et al., “Three carbon-enhanced metal-poor dwarf stars from the SDSS. Chemical abundances from CO5BOLD 3D hydrodynamical model atmospheres”, 2010A&A..513A..72B [ADS](#)
- Kučinskas, A., Dobrovolskas, V., Ivanauskas, A., et al., “Can we trust elemental abundances derived in late-type giants with the classical 1D stellar atmosphere models?”, 2010IAUS..265..209K [ADS](#)
- Ludwig, H.-G., Caffau, E., Steffen, M., et al., “Solar abundances and 3D model atmospheres”, 2010IAUS..265..201L [ADS](#)
- Behara, N. T., Bonifacio, P., Ludwig, H. G., et al., “Detailed analyses of three neutron-capture-rich carbon-enhanced metal-poor stars”, 2010IAUS..265..122B [ADS](#)
- Sbordone, L., Bonifacio, P., Caffau, E., et al., “The metal-poor end of the Spite plateau”, 2010IAUS..265..75S [ADS](#)
- Steffen, M., Cayrel, R., Bonifacio, P., Ludwig, H. G., & Caffau, E., “ ^{6}Li in metal-poor halo stars: real or spurious?”, 2010IAUS..265..23S [ADS](#)
- Sbordone, L., Bonifacio, P., Caffau, E., & Ludwig, H. G., “Local stars formed at >10 : a sample extracted from the SDSS”, 2010nuco.confE.294S [ADS](#)
- Ivanauskas, A., Kucinskas, A., Ludwig, H. G., & Caffau, E., “3D hydrodynamical CO5BOLD model atmospheres of late-type giants: stellar abundances from molecular lines”, 2010nuco.confE.290I [ADS](#)
- Dobrovolskas, V., Kucinskas, A., Ludwig, H. G., et al., “Chemical abundances in metal-poor giants: limitations imposed by the use of classical 1D stellar atmosphere models”, 2010nuco.confE.288D [ADS](#)
- Sbordone, L., Chieffi, A., Limongi, M., et al., “Sulfur in the globular clusters 47 Tuc and NGC 6752”, 2010IAUS..266..537S [ADS](#)
- González Hernández, J. I., Bonifacio, P., Caffau, E., et al., “Lithium abundances of main-sequence and subgiant stars in the globular cluster NGC 6397”, 2010IAUS..266..407G [ADS](#)
- Bonifacio, P., Mignot, S., Dournaux, J. L., et al., “GYES, A Multifibre Spectrograph for the CFHT”, 2010EAS....45..219B [ADS](#)
- Ludwig, H. G., Caffau, E., Steffen, M., Bonifacio, P., & Sbordone, L., “Accuracy of spectroscopy-based radioactive dating of stars”, 2010A&A..509A..84L [ADS](#)
- Dupret, M. A., Belkacem, K., Samadi, R., et al., “Theoretical amplitudes and lifetimes of non-radial solar-like oscillations in red giants”, 2009A&A..506..57D [ADS](#)
- González Hernández, J. I., Bonifacio, P., Caffau, E., et al., “Lithium in the globular cluster NGC 6397. Evidence for dependence on evolutionary status”, 2009A&A..505L..13G [ADS](#)
- Gonzalez Hernandez, J. I., Bonifacio, P., Caffau, E., et al., “VizieR Online Data Catalog: Lithium in NGC 6397 (Gonzalez Hernandez+, 2009)”, 2009yCat..35059013G [ADS](#)
- Maiorca, E., Caffau, E., Bonifacio, P., et al., “The Solar Photospheric Nitrogen Abundance: Determination with 3D and 1D Model Atmospheres”, 2009PASA..26..345M [ADS](#)
- Sbordone, L., Limongi, M., Chieffi, A., et al., “Sulfur in the globular clusters <ASTROBJ>47 Tucanae</ASTROBJ> and <ASTROBJ>NGC 6752</ASTROBJ>”, 2009A&A..503..121S [ADS](#)

- Bonifacio, P., Spite, M., Cayrel, R., et al., “*VizieR Online Data Catalog: Extremely metal-poor turnoff stars abundances* (Bonifacio+, 2009)”, 2009yCat..35010519B [ADS](#)
- Bonifacio, P., Spite, M., Cayrel, R., et al., “*First stars XII. Abundances in extremely metal-poor turnoff stars, and comparison with the giants*”, 2009A&A...501..519B [ADS](#)
- Caffau, E., Maiorca, E., Bonifacio, P., et al., “*The solar photospheric nitrogen abundance. Analysis of atomic transitions with 3D and 1D model atmospheres*”, 2009A&A...498..877C [ADS](#)
- Kucinskas, A., Ludwig, H. G., Ivanauskas, A., & Caffau, E., “*Observable properties of late-type giants predicted by 3D hydrodynamical and 1D stellar atmosphere models*”, 2009IAUS..254P..37K [ADS](#)
- Spite, M., Bonifacio, P., Cayrel, R., et al., “*Halo chemistry and first stars. The chemical composition of the matter in the early Galaxy, from C to Mgtextdaggerger*”, 2009IAUS..254..349S [ADS](#)
- Bonifacio, P., Caffau, E., & Ludwig, H. G., “*Effects of granulation on neutral copper resonance lines in metal-poor stars*”, 2009MmSAI..80..739B [ADS](#)
- Behara, N. T., Ludwig, H. G., Bonifacio, P., et al., “*3D molecular line formation in dwarf carbon-enhanced metal-poor stars.*”, 2009MmSAI..80..735B [ADS](#)
- Steffen, M., Ludwig, H. G., & Caffau, E., “*Micro- and macroturbulence derived from 3D hydrodynamical stellar atmospheres*.”, 2009MmSAI..80..731S [ADS](#)
- Kučinskas, A., Ludwig, H. G., Caffau, E., & Steffen, M., “*3D hydrodynamical simulations of stellar photospheres with the CO⁵BOLD code. Photometric colors of a late-type giant*”, 2009MmSAI..80..723K [ADS](#)
- Ludwig, H. G., Caffau, E., Steffen, M., et al., “*The CIFIST 3D model atmosphere grid.*”, 2009MmSAI..80..711L [ADS](#)
- Caffau, E., Ludwig, H. G., & Steffen, M., “*Solar abundances and granulation effects*”, 2009MmSAI..80..643C [ADS](#)
- Mishenina, T. V., Kučinskas, A., Andrievsky, S. M., et al., “*NLTE Abundances of Sodium, Magnesium and Barium in the Globular Clusters M10 and M71*”, 2009BaltA..18..193M [ADS](#)
- Bonifacio, P., Andersen, J., Andrievsky, S. M., et al., “*The ESO Large Programme “First Stars”*”, 2009ASSP....9..31B [ADS](#)
- Ludwig, H. G., Bonifacio, P., Caffau, E., et al., “*Extremely metal-poor stars from the SDSS*”, 2008PhST..133a4037L [ADS](#)
- Ludwig, H.-G., Caffau, E., & Kučinskas, A., “*Radiation-hydrodynamics simulations of surface convection in low-mass stars: connections to stellar structure and asteroseismology*”, 2008IAUS..252..75L [ADS](#)
- Caffau, E. & Ludwig, H. G., “*3D model atmospheres and the solar photospheric oxygen abundance*”, 2008IAUS..252..35C [ADS](#)
- Caffau, E., Steffen, M., & Ludwig, H. G., “*The Solar Photospheric Oxygen Abundance and the Role of 3D Model Atmospheres*”, 2008ESPM..12..3.7C [ADS](#)
- Caffau, E., Ludwig, H. G., Steffen, M., et al., “*The photospheric solar oxygen project. I. Abundance analysis of atomic lines and influence of atmospheric models*”, 2008A&A...488.1031C [ADS](#)
- Mucciarelli, A., Caffau, E., Freytag, B., Ludwig, H. G., & Bonifacio, P., “*The solar photospheric abundance of europium. Results from CO⁵BOLD 3D hydrodynamical model atmospheres*”, 2008A&A...484..841M [ADS](#)
- Caffau, E., Sbordone, L., Ludwig, H. G., et al., “*The solar photospheric abundance of hafnium and thorium. Results from CO⁵BOLD 3D hydrodynamic model atmospheres*”, 2008A&A...483..591C [ADS](#)
- Ludwig, H.-G., González Hernández, J. I., Behara, N., Caffau, E., & Steffen, M., “*Hydrodynamical Model Atmospheres of Metal-Poor Stars*”, 2008AIPC..990..268L [ADS](#)
- González Hernández, J. I., Bonifacio, P., Ludwig, H. G., et al., “*CS 22876-032: The Most Metal-Poor Dwarfs. Abundances and 3D Effects*”, 2008AIPC..990..175G [ADS](#)
- González Hernández, J. I., Bonifacio, P., Ludwig, H. G., et al., “*First stars XI. Chemical composition of the extremely metal-poor dwarfs in the binary CS 22876-032*”, 2008A&A...480..233G [ADS](#)
- Behara, N., Bonifacio, P., Ludwig, H. G., et al., “*Spectral analyses of three carbon-enhanced metal-poor stars*”, 2008nuco.confE..68B [ADS](#)
- Cayrel, R., Steffen, M., Bonifacio, P., Ludwig, H. G., & Caffau, E., “*Overview of the Li problem in metal-poor stars and new results on 6Li*”, 2008nuco.confE..2C [ADS](#)
- Cayrel, R., Steffen, M., Chand, H., et al., “*Line shift, line asymmetry, and the $\delta\text{Li}^7/\text{Li}$ isotopic ratio determination*”, 2007A&A...473L..37C [ADS](#)
- Caffau, E., Steffen, M., Sbordone, L., Ludwig, H. G., & Bonifacio, P., “*The solar photospheric abundance of phosphorus: results from CO⁵BOLD 3D model atmospheres*”, 2007A&A...473L..9C [ADS](#)
- Gerbaldi, M., Faraggiana, R., & Caffau, E., “*UV flux distributions of γ Doradus stars*”, 2007A&A...472..241G [ADS](#)
- Caffau, E., Faraggiana, R., Bonifacio, P., Ludwig, H. G., & Steffen, M., “*Sulphur abundances from the S i near-infrared triplet at 1045 nm*”, 2007A&A...470..699C [ADS](#)