

Publication list

Andreas J. Koch-Hansen

(née Koch; publications before 2021 are listed as “Koch, A.”)

1 Refereed Articles

131. Kader, J.A., Pilachowski, C.A., Johnson, C.I., Rich, R.M., Young, M.D., Simion, I.T., Clarkson, W.I., Michael, S., Kunder, A., Vivas, A.K., **Koch-Hansen, A.J.**, & Marchetti, T. 2021, ApJ, submitted:
‘*Multiple stellar populations in globular clusters of the Galactic bulge*’
130. Kunder, A., Crabb, R.E., Debattista, V.P., **Koch-Hansen, A.J.**, & Huhmann, B.M. 2021, ApJ, in press:
‘*Spectroscopic observations of obscured Galactic populations in the inner Galaxy: 2MASS-GC02, Terzan 4, and the 200 km s⁻¹ stellar peak*’
129. **Koch-Hansen, A.J.**, Hansen, C.J., & McWilliam, A. 2021, A&A, in press (arXiv:2104.11243):
‘*NGC 1261: an r-process enhanced globular cluster from the Gaia-Enceladus event*’
128. Bonifacio, P., Monaco, L., Salvadori, S., Caffau, E., Spite, M., Sbordone, L., Spite, F., Ludwig, H.-G., Di Matteo, P., Haywood, M., François, P., **Koch-Hansen, A.J.**, Christlieb, N., & Zaggia, S. 2021, A&A, in press:
‘*TOPoS VI. The metal-weak tail of the metallicity distribution functions of the Milky Way and of the Gaia-Sausage-Enceladus structure*’
127. Crestani, J., Braga, V.F., Fabrizio, M., Bono, G., Sneden, C., Preston, G., Ferraro, I., Iannicola, G., Nonino, M., Fiorentino, G., Thévenin, F., Lemasle, B., Prudil, Z., Alves-Brito, A., Altavilla, G., Charoyer, B., Dall’Ora, M., D’Orazi, V., Gilligan, C., Grebel, E.K., **Koch-Hansen, A.J.**, et 15 alii, ApJ, 914, 10:
‘*On the Use of Field RR Lyrae as Galactic Probes. III. The α -element abundances*’
126. Prudil, Z., Hanke, M., Lemasle, B., Crestani, J., Braga, V.F., Fabrizio, M., **Koch-Hansen, A.J.**, Bono, G., et 14 alii 2021, A&A, 648, 78:
‘*Milky Way archaeology using RR Lyrae and type II Cepheids I. The Orphan stream in 7D using RR Lyrae stars*’
125. Lim, D., **Koch-Hansen, A.J.**, Chung, C., Johnson, C.I., Kunder, A., Simion, I.T., Rich, R.M., Clarkson, W.I., et 4 alii 2021, A&A, 647, 34:
n ‘*Blanco DECam Bulge Survey (BDBS) III: A new view on the double red clump in the Milky Way bulge through luminosity and color distribution*’
124. Lim, D., Lee, Y.-W., **Koch, A.**, Hong, S., Johnson, C.I., Kim, J.J., Chung, C., Mateo, M., & Bailey, J.I., III 2021, ApJ, 907, 47:
‘*Differences in chemical composition between faint and bright red clump stars in the Milky Way bulge*’

123. **Koch-Hansen, A.J.**, Hansen, C.J., Lombardo, L., Bonifacio, P., Hanke, M., & Caffau, E. 2021, A&A, 645, 64:
‘Purveyors of fine halos III. Chemical abundance analysis of a potential ω Centauri associate’
122. Hansen, C.J., **Koch, A.**, Mashonkina, L., Magg, M., Bergemann, M., Sitnova, T., Gal-
 lagher, A., Semenova, E., et 5 alii 2020, A&A, 643, 49:
‘Mono-enriched stars and Galactic chemical evolution – Possible biases in observations and theory’
121. Johnson, C.I., Rich, R.M., Young, M.D., Simion, I.T., Clarkson, W.I., Pilachowski, C.A.,
 Michael, S., Kunder, A., **Koch, A.**, & Vivas, A.K. 2020, MNRAS, 499, 2357:
*‘Blanco DECam Bulge Survey (BDBS) II: Project Performance, Data Analysis, and Early
 Science Results’*
120. Rich, R.M., Johnson, C.I., Young, M., Simion, I.T., Clarkson, W.I., Pilachowski, C., Mi-
 chael, S., Kunder, A., Vivas, A.K., **Koch, A.**, et 9 alii 2020, MNRAS, 499, 2340:
‘The Bulge DECam Blanco Survey. I. The Survey Description and Early Results’
119. Savino, A., **Koch, A.**, Prudil, Z., Kunder, A., & Smolec, R. 2020, A&A, 641, 96:
‘The age of the Milky Way inner stellar spheroid from RR Lyrae population synthesis’
118. Tempel, E., Tuvikene, T., Muru, M.M., Stoica, R.S., Bensby, T., Chiappini, C., Christlieb,
 N., Cioni, M.-R.L., Comparat, J., Feltzing, S., Hook, I., **Koch, A.**, et 12 alii 2020, MNRAS,
 497, 4626:
*‘Optimised tiling pattern for multi-object spectroscopic surveys: application to the 4MOST
 survey’*
117. Cullinane, L., Mackey, D.A., Da Costa, G.S., Koposov, S.E., Belokurov, V., Erkal, D.,
Koch, A., et 2 alii 2020, MNRAS, 497, 3055:
‘The Magellanic Edges Survey I.: Description and first results’
116. Hanke, M., **Koch, A.**, Prudil, Z., Grebel, E.K., & Bastian, U. 2020, A&A, 637, 98:
*‘Purveyors of fine halos II: Chemodynamical association of halo stars with Milky Way
 globular clusters’*
115. Kunder, A.M., Perez Villégas, A., Rich, R.M., Ogata, J., Murari, E., Boren, E., Johnson,
 C.I., Nataf, D.M., Walker, A., Bono, G., **Koch, A.**, et 3 alii 2020, AJ, 159, 270:
‘The Bulge Radial Velocity Assay for RR Lyrae stars (BRAVA-RR) DR2: A bimodal bulge’
114. Mosenkov, A., Rich, R.M., **Koch, A.**, Brosch, N., Thilker, D., Román, J., & Müller, O.
 2020, MNRAS, 494, 1751:
*‘The Halos and Environments of Nearby Galaxies (HERON) II: The outer structure of
 edge-on galaxies’*
113. Tempel, E., Norberg, P., Tuvikene, T., Bensby, T., Christlieb, N., Chiappini, C., Cioni,
 M.-R.L., Comparat, J., Davies, L.J.M., Guiglon, G., **Koch, A.**, et 14 alii 2020, A&A, 635,
 101:
‘Probabilistic fibre-to-target assignment algorithm for multi-object spectroscopic surveys’

112. Reina-Campos, M., Hughes, M.E., Kruijssen, J.M.D., Pfeffer, J.L., Bastian, N., Crain, R.A., **Koch, A.**, & Grebel, E.K. 2020, MNRAS, 493, 3422:
‘*The mass fraction of halo stars contributed by globular clusters in the E-MOSAICS simulations*’
111. **Koch, A.**, & Côté, P. 2019, A&A, 632, 55:
‘*An outer shade of Pal: Abundance analysis of the outer halo Globular Cluster Palomar 13*’
110. Watson, D., Hansen, C.J., Selsing, J., **Koch, A.**, Malesani, D., Andersen, A.C., Fynbo, J.P.U., Arcones, A., et 10 alii 2019, Nature, 574, 497:
‘*Strontium discovered in the merger of two neutron stars*’
109. Rich, R.M., Mosenkov, A., Lee-Saunders, H., **Koch, A.**, Kormendy, J., Kennefick, J., Brosch, N., Saadie, M.L., et 9 alii 2019, MNRAS, 490, 1539:
‘*The Haloes and Environments of Nearby Galaxies (HERON) Survey I. Sample characteristics and halo diameters*’
108. Lora, V., Grebel, E.K., Schmeja, S., & **Koch, A.** 2019, ApJ, 878, 152:
‘*Cold, old, and metal-poor: new stellar substructures in the Milky Way’s dwarf spheroidals*’
107. **Koch, A.**, Xu, S. (许偲艺), & Rich, R.M. 2019, A&A, 627, 70:
‘*Chemical composition of the outer halo globular cluster Palomar 15*’
106. **Koch, A.**, Grebel, E.K., & Martell, S.L. 2019, A&A, 625, 75:
‘*Purveyors of fine halos: Re-assessing globular cluster contributions to the Milky Way halo build-up with SDSS-IV*’
105. Müller, O., Rich, R.M., Román, J., Yıldız, M.K., Bílek, M., Duc, P.-A., Fensch, J., Trujillo, I., & **Koch, A.** 2019, A&A, 624, L6:
‘*A tidal’s tale: detection of multiple stellar streams in the environment of NGC 1052*’
104. Hansen, C.J., Hansen, T.T., **Koch, A.**, Beers, T.C., Nordström, B., Placco, V.M., & Andersen, J. 2019, A&A, 623, 128:
‘*Abundances and kinematics of carbon-enhanced very metal-poor stars in the Galactic halo – a new classification scheme based on Sr and Ba*’
103. **Koch, A.**, Reichert, M., Hansen, C.J., Hampel, M., Stancliffe, R.J., Karakas, A.I., & Arcones, A. 2019, A&A, 622, 159:
‘*Unusual neutron-capture nucleosynthesis in a carbon-rich Galactic bulge star*’
102. François, P., Caffau, E., Bonifacio, P., Spite, M., Spite, F., Cayrel, R., Christlieb, N., Gallagher, A., Klessen, R., **Koch, A.**, et 6 alii 2018, A&A, 620, 187
‘*TOPoS: V. Abundance ratios in a sample of very metal-poor turn-off stars*’
101. Hanke, M., Hansen, C.J., **Koch, A.**, & Grebel, E.K. 2018, A&A, 619, 134:
‘*ATHOS: On-the-fly stellar parameter determination of FGK stars from optical spectra based on line-depth ratios*’
100. Piatti, A., & **Koch, A.** 2018, ApJ, 867, 8:
‘*Search for an intrinsic metallicity spread in old globular clusters of the Large Magellanic Cloud*’

99. **Koch, A.**, Hanke, M., & Kacharov, N. 2018, *A&A*, 616, 74:
‘Kinematics of outer halo globular clusters: M 75 and NGC 6426’
98. Bonifacio, P., Caffau, E., Spite, M., Spite, F., Sbordone, L., Monaco, L., François, P., Plez, B., Molaro, P., Gallagher, A.J., Cayrel, R., Christlieb, N. Klessen, R., **Koch, A.**, et 4 alii 2018, *A&A*, 612, 65:
‘TOPoS: IV. Chemical abundances from high-resolution observations of seven EMP stars’
97. Kunder, A., Mills, A., Edgecomb, J., Thomas, M., Schilter, L., Boyle, C., Parker, S., Bellevue, G., Rich, R.M., **Koch, A.**, et 2 alii 2018, *AJ*, 155, 171:
‘Radial velocities of RR Lyrae stars in and around NGC 6441’
96. Hollyhead, K., Lardo, C., Kacharov, N., Bastian, N., Hilker, M., Rejkuba, M., **Koch, A.**, et 2 alii 2018, *MNRAS*, 476, 114:
‘Kron 3: a fourth intermediate age cluster in the SMC with evidence of multiple populations’
95. **Koch, A.**, Hansen, T.T., & Kunder, A. 2018, *A&A*, 609, 13:
‘Detailed chemical abundance analysis of the thick disk star cluster Gaia 1’
94. Susmitha, A., **Koch, A.**, & Sivarani, T. 2017, *A&A*, 606, 112:
‘Abundance analysis of a CEMP-no star in the Carina dwarf spheroidal galaxy’
93. **Koch, A.**, Kunder, A., & Wojno, J. 2017, *A&A*, 605, 128:
‘Spectroscopic confirmation of the low-latitude object FSR 1716 as an old globular cluster’
92. Duffau, S., Caffau, E., Sbordone, L., Bonifacio, P., Andrievsky, S., Korotin, S., Babusiaux, C., Salvadori, S., Monaco, L., François, P., Skúladóttir, Á, Bragaglia, A., Donati, P., Spina, L., Gallagher, A.J., Ludwig, H.-G., Christlieb, N., Hansen, C.J., Mott, A., Steffen, M., Zaggia, S., Blanco-Cuaresma, S., Calura, F., Friel, E., F.M., Jiménez-Esteban, F.M., **Koch, A.**, et 17 alii 2017, *A&A*, 604, 128:
‘The Gaia-ESO Survey: Galactic evolution of sulphur and zinc’
91. **Koch, A.**, Hansen, C.J., & Kunder, A.M. 2017, *A&A*, 604, 41:
‘Spectroscopic study of the elusive cluster ESO452-SC11 and its surroundings’
90. Spencer, M.E., Mateo, M., Walker, M.G., Olszewski, E.W., McConnachie, A.W., Kirby, E.N., & **Koch, A.** 2017, *AJ*, 153, 254
‘The binary fraction of stars in dwarf galaxies: The case of Leo II’
89. **Koch, A.**, Black, C.S., Rich, R.M., Longstaff, F.A., Collins, M.L.M., & Janz, J. 2017, *AN*, 338, 503:
‘Another look at the size of the low-surface brightness galaxy VCC 1661 in the Virgo Cluster’
88. **Koch, A.**, & Côté, P. 2017, *A&A*, 601, 41:
‘Galactic Pal-eontology: Abundance analysis of the disrupted globular cluster Palomar 5’
87. Hanke, M., **Koch, A.**, Hansen, C.J., & McWilliam, A. 2017, *A&A*, 599, 97:
‘Insights into the chemical composition of the metal-poor Milky Way halo globular cluster NGC 6426’

86. Hansen, C.J., Jofré, P., **Koch, A.**, McWilliam, A., & Sneden, C.S. 2017, A&A, 598, 54:
‘*Something borrowed, something blue: The nature of blue metal-poor stars inferred from their colours and chemical abundances*’
85. Pancino, E., Lardo, C., Altavilla, G., **et al.** 2017, A&A, 598, 5:
‘*The Gaia ESO Survey: calibration strategy*’
84. Hollyhead, K., Kacharov, N., Lardo, C., Bastian, N., Hilker, M., Rejkuba, M., **Koch, A.**, et 2 alii 2017, MNRAS, 465, L39:
‘*Evidence for multiple populations in intermediate age cluster Lindsay 1 in the SMC*’
83. Caffau, E., Bonifacio, P., Spite, M., Spite, F., Monaco, L., Sbordone, L., François, P., Gallagher, A.J., Plez, B., Zaggia, S., Ludwig, H.-G., Cayrel, R., **Koch., A.**, et 4 alii 2016, A&A, 595, L6:
‘*TOPoS: III. An extremely iron-poor CEMP multiple system*’
82. Ruchti, G.R., Feltzing, S., Lind, K., Caffau, E., Korn, A., Schnurr, O., Hansen, C.J., **Koch, A.**, et 2 alii 2016, MNRAS, 461, 2174:
‘*A new algorithm for optimizing the wavelength coverage for spectroscopic studies: Spectral Wavelength Optimization Code (SWOC)*’
81. Hansen, C.J., Rich, R.M., **Koch, A.**, Xu, S., Kunder, A.M., & Ludwig, H.-G. 2016, A&A, 590, 39:
‘*Chemical abundances in a high-velocity RR Lyrae star near the bulge*’
80. Kunder, A.M., Rich, R.M., **Koch, A.**, et 8 alii 2016, ApJL, 821, L25:
‘*Before the bar: Kinematic detection of a spheroidal metal-poor bulge component*’
79. **Koch, A.**, McWilliam, A., Preston, G.W., & Thompson, I.B. 2016, A&A, 587, 124:
‘*Metal-poor stars towards the Galactic bulge – a population potpourri*’
78. Martin, N.F., Ibata, R.A., Collins, M.L.M., Rich, R.M., Bell, E.F., Ferguson, A.M.N., Laevens, B.P.M., Rix, H.-W., Chapman, S.C., & **Koch, A.** 2016, ApJ, 818,40:
‘*Triangulum II: A very metal-poor and dynamically hot system*’
77. Hendricks, B., Boeche, C., Johnson, C.I., Frank, M.J., **Koch, A.**, Mateo, M., & Bailey, J.I., III 2016, A&A, 585, 86:
‘*Evidence for chemical enrichment coupling of globular clusters and field stars in the Fornax dSph*’
76. **Koch, A.**, Frank, M.J., Pasquali, A., Rich, R.M., & Rabitz, A. 2015, ApJ, 815, 105:
‘*Major mergers with small galaxies – the discovery of a Magellanic-type galaxy at $z=0.12$* ’
75. Hansen, C.J., Ludwig, H.-G., Seifert, W., **Koch, A.**, et 11 alii 2015, AN, 336, 665:
‘*Stellar science from a blue wavelength range: A possible design for the blue arm of 4MOST*’
74. Frank, M.J., **Koch, A.**, Feltzing, S., Kacharov, N., Wilkinson, M.I., & Irwin, M. 2015, A&A, 581, 72:
‘*Strömgen ubvy photometry of the peculiar globular cluster NGC 2419*’

73. Kunder, A., Rich, R.M., Hawkins, K., Poleski, R., Storm, J., Johnson, C.I., Shen, J., Li, Z.-Y., Cordero, M.J., Nataf, D., Bono, G., Walker, A.R., **Koch, A.**, et 11 alii 2015, ApJL, 808, L12:
A high-velocity bulge RR Lyrae variable on a halo-like orbit
72. **Koch, A.**, Danforth, C.W., Rich, R.M., Ibata, R.A., & Keeney, B.A. 2015, ApJ, 807, 153:
'A detection of gas associated with the M31 Stellar Stream'
71. Bonifacio, P., Caffau, E., Spite, M., Limongi, M., Chieffi, A., Klessen, R., François, P., Molaro, P., Ludwig, H.-G., Zaggia, S., Spite, F., Plez, B., Cayrel, R., Christlieb, N., Clark, P.C., Glover, S., Hammer, F., **Koch, A.**, et 3 alii 2015, A&A, 579, 28:
'TOPoS: II. On the bimodality of carbon enhanced stars. Implications on the early chemical evolution of galaxies'
70. San Roman, I., Muñoz, C., Geisler, D., Villanova, S., Kacharov, N., **Koch, A.**, et 25 alii 2015, A&A, 579, 6:
'The Gaia-ESO Survey: Detailed abundances in the metal-poor globular cluster NGC 4372'
69. Hyde, E., Keller, S., Zucker, D., Ibata, R., Siebert, A., Lewis, G., Peñarrubia, J., Irwin, M., Gilmore, G., Lane, R., **Koch, A.**, et 3 alii 2015, ApJ, 805, 189:
'Selecting Sagittarius: Identification and chemical characterization of the Sagittarius Stream'
68. Kacharov, N., **Koch, A.**, Caffau, E., & Sbordone, L. 2015, A&A, 577, 18:
'The Galactic evolution of sulphur traced by globular clusters'
67. Ural, U., Cescutti, G., **Koch, A.**, Kleyna, J.T., Feltzing, S., & Wilkinson, M.I. 2015, MNRAS, 449, 761:
'An inefficient dwarf: Chemical abundances and the evolution of the Ursa Minor dwarf spheroidal galaxy'
66. Hendricks, B., **Koch, A.**, Walker, M., Johnson, C.I., Peñarrubia, J., & Gilmore, G.F. 2014, A&A, 572, 82:
'Insights from the outskirts: chemical and dynamical properties in the outer parts of the Fornax dwarf spheroidal galaxy'
65. **Koch, A.**, & Rich, R.M. 2014, ApJ, 794, 89:
'A chemical confirmation of the faint Boötes II dwarf spheroidal galaxy'
64. Johnson, C.I., Rich, R.M., Kobayashi, C., Kunder, A., & **Koch, A.** 2014, AJ, 148, 87:
'Light, Alpha, and Fe-peak element abundances in the Galactic bulge'
63. Kacharov, N., Bianchini, P., **Koch, A.**, et 7 alii 2014, A&A, 567, 69:
'A study of rotating globular clusters – The case of the old, metal poor globular cluster NGC 4372'
62. **Koch, A.**, & McWilliam, A. 2014, A&A, 565, 23:
'The chemical composition of a regular halo globular cluster: NGC 5897'
61. Hendricks, B., **Koch, A.**, Lanfranchi, G.A., Boeche, C., Walker, M., Johnson, C.I., Peñarrubia, J., & Gilmore, G.F. 2014, ApJ, 785, 102:
'The metal-poor knee in the Fornax dwarf Spheroidal galaxy'

60. Pasquini, L., **Koch, A.**, Smiljanic, R., Bonifacio, P., & Modigliani, A. 2014, A&A, 563, 3:
‘*The Be-test in the Li-rich star #1657 of NGC 6397: evidence for Li-flash in RGB stars?*’
59. Collins, M.L.M., Chapman, S.C., Rich, R.M., Ibata, R.A., Martin, N.F., Irwin, M.J., Bate, N.F., Lewis, G.F., Peñarrubia, J., Arimoto, N., Casey, C.M., Ferguson, A.M.N., **Koch, A.**, et 2 alii 2014, ApJ, 783, 7:
‘*The masses of Local Group dwarf Spheroidal galaxies: the death of the universal mass profile*’
58. **Koch, A.**, Hansen, T., Feltzing, S., & Wilkinson, M.I. 2014, ApJ, 780, 91:
‘*A spectroscopic binary in the Hercules dwarf Spheroidal galaxy*’
57. Caffau, E., Bonifacio, P., Sbordone, L., François, P., Monaco, L., Spite, M., Plez, B., Cayrel, R., Christlieb, N., Clark, P.C., Glover, S., Klessen, R., **Koch, A.**, et 4 alii 2013, A&A, 560, 71:
‘*TOPoS: I. Survey design and analysis of the first sample*’
56. Kacharov, N., **Koch, A.**, & McWilliam, A. 2013, A&A, 554, A81:
‘*A comprehensive chemical abundance study of the outer halo globular cluster M 75*’
55. **Koch, A.**, Feltzing, S., Adén, D., & Matteucci, F. 2013, A&A, 554, A5:
‘*Neutron-capture element deficiency of the Hercules dwarf Spheroidal galaxy*’
54. Collins, M.L.M., Chapman, S.C., Irwin, M.J., Rich, R.M., Ibata, R.A., Martin, N.F., Bate, N.F., Lewis, G.F., Peñarrubia, J., Arimoto, N., Casey, C.M., Ferguson, A.M.N., **Koch, A.**, et 2 alii 2013, ApJ, 768, 172:
‘*A kinematic study of the Andromeda dwarf spheroidal system*’
53. Johnson, C.I., Rich, R.M., Kobayashi, C., Kunder, A., Pilachowski, C.A., **Koch, A.**, & de Propris, R. 2013, ApJ, 765, 157:
‘*Metallicity distribution functions, radial velocities, and alpha element abundances in three off-axis bulge fields*’
52. Caffau, E., **Koch, A.**, Sbordone, L., et 19 alii 2013, AN, 334, 197:
‘*Velocity and abundance precisions for future high-resolution spectroscopic surveys: a study for 4MOST*’
51. Lianou, S., Grebel, E.K., Da Costa, G.S., Rejkuba, M., Jerjen, H., & **Koch, A.** 2013, A&A, 550, 7:
‘*Population gradients and photometric metallicities in early- and transition-type dwarf galaxies: clues from the Sculptor Group*’
50. Haschke, R., Grebel, E.K., Frebel, A., Duffau, S., Hansen, C.J., & **Koch, A.** 2012, AJ, 144, 88:
‘*Chemical abundances of metal-poor RR Lyrae stars in the Magellanic Clouds*’
49. **Koch, A.**, Burkert, A., Rich, R.M., Collins, M.L.M., Black, C.S., Hilker, M., & Benson, A. 2012, ApJL, 755, L13:
‘*Threshing in Action – The tidal disruption of a dwarf galaxy by the Hydra I Cluster*’

48. Salucci, P., Wilkinson, M.I., Walker, M.G., Gilmore, G.F., Grebel, E.K., **Koch, A.**, Frigerio Martins, C., & Wyse, R.F.G. 2012, MNRAS, 420, 2034:
'*Dwarf spheroidal galaxy kinematics and spiral galaxy scaling laws*'
47. Rich, R.M., Collins, M.L.M., Black, C.S., Longstaff, F.A., **Koch, A.**, Benson, A., & Reitzel, D.B. 2012, Nature, 482, 192:
'*A tidally distorted dwarf galaxy near NGC 4449*'
46. Kunder, A., **Koch, A.**, Rich, R.M., et 13 alii 2012, AJ, 143, 57:
'*The Bulge Radial Velocity Assay (BRAVA): II. Complete sample and data release*'
45. Lépine, S., **Koch, A.**, Rich, R.M., & Kuijken, K. 2011, ApJ, 741, 100:
'*A first measurement of the proper motion of the Leo II dwarf spheroidal galaxy*'
44. **Koch, A.**, & Caffau, E. 2011, A&A, 534, A52:
'*Sulphur in the metal poor globular cluster NGC 6397*'
43. **Koch, A.**, Lind, K., & Rich, R.M. 2011, ApJL, 738, L29:
'*Discovery of a super-Li rich turn-off star in the metal poor globular cluster NGC 6397*'
42. **Koch, A.**, & McWilliam, A. 2011, AJ, 142, 63:
'*A differential chemical element analysis of the metal poor globular cluster NGC 6397*'
41. Lianou, S., Grebel, E.K., & **Koch, A.** 2011, A&A, 531, 152:
'*Spectroscopic versus photometric metallicities: Dwarf spheroidal galaxies as a test case*'
40. De Propris, R., Rich, R.M., Kunder, A., Johnson, C.I., **Koch, A.**, et 6 alii 2011, ApJL, 732, L36:
'*Separating the conjoined red clump in the Galactic Bulge: Kinematics and Abundances*'
39. Collins, M.L.M., Chapman, S.C., Ibata, R.A., Irwin, M.J., Rich, R.M., Ferguson, A.M.N., Lewis, G.F., Tanvir, N., & **Koch, A.** 2011, MNRAS, 413, 1548:
'*The kinematic identification of a thick disk in M31*'
38. Adén, D., Eriksson, K., Feltzing, S., Grebel, E.K., **Koch, A.**, & Wilkinson, M.I. 2011, A&A, 525, 153:
'*A spectroscopic study of red-giant-branch stars in the Hercules dwarf spheroidal galaxy*'
37. Lianou, S., Grebel, E.K., & **Koch, A.** 2010, A&A, 521, A43:
'*Dwarf galaxies in the M81 group – metallicity distributions and population gradients*'
36. **Koch, A.**, & Côté, P. 2010, A&A, 517, A59:
'*Chemical abundances for the outer halo cluster Pal 4 from co-added high-resolution spectroscopy*'
35. Glatt, K., Grebel, E.K., & **Koch, A.** 2010, A&A, 517, A50:
'*Ages and luminosities of young SMC/LMC star clusters and the recent Star Formation History of the Clouds*'
34. Crnojević, D., Grebel, E.K., & **Koch, A.** 2010, A&A, 516, A85:
'*A close look at the Centaurus A group of galaxies: I. early type dwarfs*'

33. **Koch, A.**, & McWilliam, A. 2010, AJ, 139, 2289:
‘*A differential chemical abundance scale for the globular cluster M5*’
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