

Andreas Quirrenbach

Publications in refereed journals:

1. Chini, R., Steppe, H., Kreysa, E., Krichbaum, Th., Quirrenbach, A., Schalinski, C., & Witzel, A. (1988). *3 and 1.3 mm-observations of a complete sample of active galactic nuclei*. Astron. Astrophys. **192**, L1-L3
2. Quirrenbach, A., Witzel, A., Krichbaum, T., Hummel, C.A., Alberdi, A., & Schalinski, C. (1989). *Rapid variability of extragalactic radio sources*. Nature **337**, 442-444
3. Wambsganss, J., Schneider, P., Quirrenbach, A., & Witzel, A. (1989). *Numerical simulations of scattering in the interstellar medium applied to rapid radio variability in the quasar 0917+624*. Astron. Astrophys. **224**, L9-L12
4. Quirrenbach, A., Witzel, A., Qian, S.J., Krichbaum, T., Hummel, C.A., & Alberdi, A. (1989). *Rapid radio polarization variability in the quasar 0917+624*. Astron. Astrophys. **226**, L1-L4
5. Krichbaum, T.P., Hummel, C.A., Quirrenbach, A., Schalinski, C.J., Witzel, A., Johnston, K.J., Muxlow, T.W.B., & Qian, S.J. (1990). *The complex jet associated with the quasar 0836+71*. Astron. Astrophys. **230**, 271-283
6. Wagner, S., Sanchez-Pons, F., Quirrenbach, A., & Witzel, A. (1990). *Simultaneous optical and radio monitoring of rapid variability in quasars and BL Lac objects*. Astron. Astrophys. **235**, L1-L4
7. Krichbaum, T.P., Booth, R.S., Kus, A.J., Rönnäng, B.O., Witzel, A., Graham, D.A., Pauliny-Toth, I.I.K., Quirrenbach, A., Hummel, C.A., Alberdi, A., Zensus, J.A., Johnston, K.J., Spencer, J.H., Rogers, A.E.E., Lawrence, C.R., Readhead, A.C.S., Hirabayashi, H., Inoue, M., Morimoto, M., Dhawan, V., Bartel, N., Shapiro, I.I., Burke, B.F., & Marcaide, J.M. (1990). *43 GHz-VLBI observations of 3C273 after a flux density outburst in 1988*. Astron. Astrophys. **237**, 3-11
8. Qian, S.J., Quirrenbach, A., Witzel, A., Krichbaum, T.P., Hummel, C.A., & Zensus, J.A. (1991). *A model for the rapid radio variability in the quasar 0917+624*. Astron. Astrophys. **241**, 15-21
9. Quirrenbach, A., Witzel, A., Wagner, S., Sanchez-Pons, F., Krichbaum, T.P., Wegner, R., Anton, K., Erkens, U., Haehnelt, M., Zensus, J.A., & Johnston, K.J. (1991). *Correlated radio and optical variability in the BL Lacertae object 0716+714*. Astrophys. J. **372**, L71-L74

10. Hummel, C.A., Schalinski, C.J., Krichbaum, T.P., Rioja, M.J., Quirrenbach, A., Witzel, A., Muxlow, T.W.B., Johnston, K.J., Matveyenko, L.I., & Shevchenko, A. (1992). *The jets of quasar 1928+738: superluminal motion and large-scale structure*. Astron. Astrophys. **257**, 489-500
11. Quirrenbach, A., Witzel, A., Krichbaum, T.P., Hummel, C.A., Wegner, R., Schalinski, C.J., Ott, M., Alberdi, A., & Rioja, M. (1992). *Statistics of intraday variability in extragalactic radio sources*. Astron. Astrophys. **258**, 279-284
12. Quirrenbach, A., Mozurkewich, D., Armstrong, J.T., Johnston, K.J., Colavita, M.M., & Shao, M. (1992). *Interferometric observations of Mira (o Ceti)*. Astron. Astrophys. **259**, L19-L22
13. Krichbaum, T.P., Witzel, A., Graham, D.A., Alef, W., Pauliny-Toth, I.I.K., Hummel, C.A., Quirrenbach, A., Inoue, M., Hirabayashi, H., Morimoto, M., Rogers, A.E.E., Zensus, J.A., Lawrence, C.R., Readhead, A.C.S., Booth, R.S., Rönnäng, B.O., Kus, A.J., Johnston, K.J., Spencer, J.H., Burke, B.F., Dhawan, V., Bartel, N., Shapiro, I.I., Alberdi, A., & Marcaide, J.M. (1992). *The evolution of the sub-parsec structure of 3C84 at 43 GHz*. Astron. Astrophys. **260**, 33-48
14. Hummel, C.A., Muxlow, T.W.B., Krichbaum, T.P., Quirrenbach, A., Schalinski, C.J., Witzel, A., & Johnston, K.J. (1992). *MERLIN and VLBI observations of the quasar 0836+710: morphology of a parsec-kiloparsec scale jet*. Astron. Astrophys. **266**, 93-100
15. Armstrong, J.T., Hummel, C.A., Quirrenbach, A., Buscher, D.F., Mozurkewich, D., Vivekanand, M., Simon, R.S., Denison, C.S., Johnston, K.J., Pan, X.-P., Shao, M., & Colavita, M.M. (1992). *The orbit of ϕ Cygni measured with long-baseline optical interferometry: component masses and absolute magnitudes*. Astron. J. **104**, 2217-2223
16. Wu, S.-Y., Quirrenbach, A., & Witzel, A. (1992). *A relation between the apparent velocity and the spectral power of superluminal radio sources*. Science in China (Series A) **35**, 1254-1265
17. Qian, S.-J., Witzel, A., Krichbaum, T., Quirrenbach, A., Hummel, C.A., & Zensus, J.A. (1992). *Motion of knots in the superluminal source 3C345*. Chin. Astron. Astrophys. **16**, 137-147 (Acta Astron. Sin. **32**, 369-379)
18. Quirrenbach, A., Mozurkewich, D., Armstrong, J.T., Buscher, D.F., & Hummel, C.A. (1993). *Angular diameter measurements of cool giant stars in strong TiO bands and in the continuum*. Astrophys. J. **406**, 215-219
19. Wagner, S.J., Witzel, A., Krichbaum, T.P., Wegner, R., Quirrenbach, A., Anton, K., Erkens, U., Khanna, R., & Zensus, A. (1993). *Intraday variability in the BL Lac Object 0954+658*. Astron. Astrophys. **271**, 334-347

20. Quirrenbach, A., Elias, N.M., Mozurkewich, D., Armstrong, J.T., Buscher, D.F., & Hummel, C.A. (1993). *Observations of Nova Cygni 1992 with a long-baseline interferometer*. Astron. J. **106**, 1118-1122
21. Quirrenbach, A., Hummel, C.A., Buscher, D.F., Armstrong, J.T., Mozurkewich, D., & Elias, N.M. (1993). *The asymmetric envelope of γ Cassiopeiae observed with the MkIII optical interferometer*. Astrophys. J. **416**, L25-L28
22. Hummel, C.A., Armstrong, J.T., Quirrenbach, A., Buscher, D.F., Mozurkewich, D., Simon, R.S., & Johnston, K.J. (1993). *The spectroscopic binary η Andromedae: determination of the orbit by optical interferometry*. Astron. J. **106**, 2486-2492
23. Qian, S.-J., Witzel, A., Krichbaum, T.P., Quirrenbach, A., & Zensus, J.A. (1993). *A possible superluminal motion of the VLBI core in 3C345*. Chin. Astron. Astrophys. **17**, 150-160 (Acta Astron. Sin. **33**, 352-361)
24. Ott, M., Witzel, A., Quirrenbach, A., Krichbaum, T.P., Standke, K.J., Schalinski, C.J., & Hummel, C.A. (1994). *An updated list of radio flux density calibrators*. Astron. Astrophys. **284**, 331-339
25. Quirrenbach, A., Mozurkewich, D., Hummel, C.A., Buscher, D.F., & Armstrong, J.T. (1994). *Angular diameters of the carbon stars UU Aurigae, Y Canum Venaticorum, and TX Piscium from optical long-baseline interferometry*. Astron. Astrophys. **285**, 541-546
26. Quirrenbach, A., Buscher, D.F., Mozurkewich, D., Hummel, C.A., & Armstrong, J.T. (1994). *Maximum-entropy maps of the Be shell star ζ Tauri from optical long-baseline interferometry*. Astron. Astrophys. **283**, L13-L16
27. Quirrenbach, A., Mozurkewich, D., Buscher, D.F., Hummel, C.A., & Armstrong, J.T. (1994). *Phase-referenced visibility averaging in optical long-baseline interferometry*. Astron. Astrophys. **286**, 1019-1027
28. Hummel, C.A., Armstrong, J.T., Quirrenbach, A., Buscher, D.F., Mozurkewich, D., Elias, N.M., & Wilson, R.E. (1994). *Very high precision orbit of Capella by long baseline interferometry*. Astron. J. **107**, 1859-1867
29. Hummel, C.A., Mozurkewich, D., Elias, N.M., Quirrenbach, A., Buscher, D.F., Armstrong, J.T., Johnston, K.J., Simon, R.S., & Hutter, D.J. (1994). *Four years of astrometric measurements with the Mark III optical interferometer*. Astron. J. **108**, 326-336
30. Rickett, B.J., Quirrenbach, A., Wegner, R., Krichbaum, T.P., & Witzel, A. (1995). *Interstellar scintillation of radio source 0917+624*. Astron. Astrophys. **293**, 479-492

31. Elias, N.M., Quirrenbach, A., Witzel, A., Naundorf, C.E., Wegner, R., Guinan, E.F., & McCook, G.P. (1995). *Correlations between the flaring radio emission and starspot distribution of UX Arietis*. *Astrophys. J.* **439**, 983-990

32. Guirado, J.C., Marcaide, J.M., Elósegui, P., Ratner, M.I., Shapiro, I.I., Eckart, A., Quirrenbach, A., Schalinski, C.J., & Witzel, A. (1995). *VLBI differential astrometry of the radio sources 1928+738 and 2007+777 at 5 GHz*. *Astron. Astrophys.* **293**, 613-625

33. Buscher, D.F., Armstrong, J.T., Hummel, C.A., Quirrenbach, A., Mozurkewich, D., Johnston, K.J., Denison, C.S., Colavita, M.M., & Shao, M. (1995). *Interferometric seeing measurements on Mt. Wilson: power spectra and outer scales*. *Appl. Optics* **34**, 1081-1096

34. Hummel, C.A., Armstrong, J.T., Buscher, D.F., Mozurkewich, D., Quirrenbach, A., & Vivekanand, M. (1995). *Orbits of small angular scale binaries resolved with the Mark III interferometer*. *Astron. J.* **110**, 376-390

35. Standke, K.J., Quirrenbach, A., Krichbaum, T.P., Witzel, A., Otterbein, K., Alef, W., Eckart, A., Alberdi, A., Marcaide, J.M., Ros, E., Lesch, H., Steffen, W., Kraus, A., & Zensus, J.A. (1996). *The intraday variable quasar 0917+624: VLBI and X-ray observations*. *Astron. Astrophys.* **306**, 27-38

36. Tateyama, C.E., Inoue, M., Krichbaum, T.P., Bååth, L.B., Kamenno, S., Rogers, A.E.E., Alberdi, A., Backer, D.C., Bartel, N., Booth, R.S., Burke, B.F., Carlstrom, J.E., Dhawan, V., Dickman, R.L., Emerson, D.T., Hirabayashi, H., Hodges, M.W., Graham, D.A., Johnston, K.J., Kobayashi, H., Kus, A.J., Padin, S., Plambeck, R.L., Predmore, C.R., Quirrenbach, A., Lawrence, C.R., Lamb, J., Marcaide, J.M., Morimoto, M., Rönnäng, B.O., Shapiro, I.I., Spencer, J.H., Witzel, A., Woody, D., & Wright, M.C.H. (1996). *Global 3- and 7-mm VLBI observations of OJ287*. *Publ. Astron. Soc. Japan* **48**, 37-44

37. Wagner, S.J., Witzel, A., Heidt, J., Krichbaum, T.P., Qian, S.J., Quirrenbach, A., Wegner, R., Aller, H., Aller, M., Anton, K., Appenzeller, I., Eckart, A., Kraus, A., Naundorf, C., Kneer, R., Steffen, W., & Zensus, J.A. (1996). *Rapid variability in S5 0716+714 across the electromagnetic spectrum*. *Astron. J.* **111**, 2187-2211

38. Brandl, B., Sams, B.J., Bertoldi, F., Eckart, A., Genzel, R., Drapatz, S., Hofmann, R., Löwe, M., & Quirrenbach, A. (1996). *Adaptive optics near-infrared imaging of R 136 in 30 Doradus: The stellar population of a nearby starburst*. *Astrophys. J.* **466**, 254-273

39. Quirrenbach, A., Mozurkewich, D., Buscher, D.F., Hummel, C.A., & Armstrong, J.T. (1996). *Angular diameter and limb darkening of Arcturus*. *Astron. Astrophys.* **312**, 160-166

40. Bastian, U., Röser, S., Høg, E., Mandel, H., Seifert, W., Wagner, S., Quirrenbach, A., Schalinski, C., Schilbach, E., & Wicenec, A. (1996). *DIVA – An interferometric minisatellite for astrometry and photometry*. *Astron. Nachr.* **317**, 281-288
41. Quirrenbach, A., Bjorkman, K.S., Bjorkman, J.E., Hummel, C.A., Buscher, D.F., Armstrong, J.T., Mozurkewich, D., Elias, N.M., & Babler, B.L. (1997). *Constraints on the geometry of circumstellar envelopes: Optical interferometric and spectropolarimetric observations of seven Be stars*. *Astrophys. J.* **479**, 477-496
42. Schinnerer, E., Eckart, A., Quirrenbach, A., Böker, T., Tacconi-Garman, L.E., Krabbe, A., & Sternberg, A. (1997). *The circum nuclear starburst in NGC 7552: First results from near-infrared spectral synthesis*. *Astrophys. J.* **488**, 174-194
43. Thatte, N., Quirrenbach, A., Genzel, R., Maiolino, R., & Tecza, M. (1997). *The nuclear stellar core, the hot dust source, and the location of the nucleus of NGC 1068*. *Astrophys. J.* **490**, 238-246
44. Dehnen, W., Bland-Hawthorn, J., Quirrenbach, A., & Cecil, G.N. (1997). *Kinematics and mass modelling of NGC 1068*. *Astrophys. Space Sci.* **248**, 33-42
45. Quirrenbach, A., Eckart, A., & Thatte, N. (1997). *High-resolution near-IR observations of NGC 1068*. *Astrophys. Space Sci.* **248**, 295-300
46. Thum, C., Martín-Pintado, J., Quirrenbach, A., & Matthews, H.E. (1998). *Infrared lasers in the circumstellar disk of MWC 349*. *Astron. Astrophys.* **333**, L63-L66
47. Gabuzda, D.C., Kovalev, Y.Y., Krichbaum, T.P., Alef, W., Kraus, A., Witzel, A., & Quirrenbach, A. (1998). *VLBI polarization observations of the rapidly variable BL Lacertae object 0716+714*. *Astron. Astrophys.* **333**, 445-451
48. Eisenhauer, F., Quirrenbach, A., Zinnecker, H., & Genzel, R. (1998). *Stellar content of the galactic starburst template NGC 3603 from adaptive optics observations*. *Astrophys. J.* **498**, 278-292
49. Guirado, J.C., Marcaide, J.M., Ros, E., Ratner, M.I., Shapiro, I.I., Quirrenbach, A., & Witzel, A. (1998). *Submilliarcsecond shift of the brightness peak of the radio sources 1928+738 and 2007+777*. *Astron. Astrophys.* **336**, 385-392
50. Kraus, A., Quirrenbach, A., Lobanov, A.P., Krichbaum, T.P., Risse, M., Schneider, P., Qian, S.J., Wagner, S.J., Witzel, A., Zensus, J.A., Heidt, J., Bock, H., Aller, M., & Aller, H. (1999). *Unusual radio variability in the BL Lacertae object 0235+164*. *Astron. Astrophys.* **344**, 807-816
51. Kegel, W.H., Hertenstein, T., & Quirrenbach, A. (1999). *OH lines in the FIR spectra of the OH megamaser galaxies IRAS 20100–4156 and 3Zw35*. *Astron. Astrophys.* **351**, 472-476

52. Davies, R.I., Hackenberg, W., Ott, T., Eckart, A., Rabien, S., Anders, S., Hippler, S., Kasper, M., Kalas, P., Quirrenbach, A., & Glindemann, A. (1999). *The science potential of ALFA: adaptive optics with natural and laser guide stars*. Astron. Astrophys. Suppl. **138**, 345-353
53. Quirrenbach, A., Kraus, A., Witzel, A., Zensus, J.A., Peng, B., Risse, M., Krichbaum, T.P., Wegner, R., & Naundorf, C.E. (2000). *Intraday variability in compact extragalactic radio sources I. VLA observations*. Astron. Astrophys. Suppl. **141**, 221-256
54. Lutz, D., Genzel, R., Sturm, E., Tacconi, L., Wieprecht, E., Alexander, T., Netzer, H., Sternberg, A., Moorwood, A.F.M., Fosbury, R.A.E., Fricke, K., Wagner, S.J., Quirrenbach, A., Awaki, H., & Lo, K.Y. (2000). *A search for broad infrared recombination lines in NGC 1068*. Astrophys. J. **530**, 733-737
55. Peng, B., Kraus, A., Krichbaum, T.P., Müller, S.A.H., Qian, S.J., Quirrenbach, A., Wagner, S.J., Witzel, A., Zensus, J.A., Jin, C., & Bock, H. (2000). *Infrared, radio and optical variability of the BL Lacertae object 2007+777*. Astron. Astrophys. **353**, 937-943
56. Eckart, A., Hippler, S., Glindemann, A., Hackenberg, W., Quirrenbach, A., Kalas, P., Kasper, M., Davies, R.I., Ott, T., Rabien, S., Butler, D., Holstenberg, H.-C., Looze, D., Rohloff, R.-R., Wagner, K., Wilnhammer, N., Hamilton, D., Beckwith, S.V.W., Appenzeller, I., & Genzel R. (2000). *ALFA: The MPIA/MPE Laser Guide Star AO System*. Exp. Astron. **10**, 1-3
57. Rabien, S., Ott, T., Hackenberg, W., Eckart, A., Davies, R., Kasper, M., & Quirrenbach, A. (2000). *The ALFA laser and analysis tools*. Exp. Astron. **10**, 75-88
58. Davies, R., Eckart, A., Hackenberg, W., Ott, T., Butler, D., Kasper, M., & Quirrenbach, A. (2000). *The ALFA laser guide star: operation and results*. Exp. Astron. **10**, 103-121
59. Hackenberg, W., Eckart, A., Davies, R.I., Rabien, S., Ott, T., Kasper, M., Hippler, S., & Quirrenbach, A. (2000). *Near-infrared adaptive optics observations of galaxy clusters: Abell 262 at $z = 0.0157$, J1836.3 CR at $z = 0.414$, and PKS 0743-006 at $z = 0.994$* . Astron. Astrophys. **363**, 41-61
60. Frink, S., Quirrenbach, A., Fischer, D., Röser, S., & Schilbach, E. (2001). *A strategy for identifying the grid stars for the Space Interferometry Mission*. Publ. Astron. Soc. Pacific **113**, 173-187

61. Eiroa, C., Garzón, F., Alberdi, A., de Winter, D., Ferlet, R., Grady, C.A., Cameron, A., Davies, J.K., Deeg, H.J., Harris, A.W., Horne, K., Merín, B., Miranda, L.F., Montesinos, B., Mora, A., Oudmaijer, R., Palacios, J., Penny, A., Quirrenbach, A., Rauer, H., Schneider, J., Solano, E., Tsapras, Y., & Wesselius, P.R. (2001). *EXPORT: near-IR observations of Vega-type and pre-main sequence stars*. *Astron. Astrophys.* **365**, 110-114

62. Quirrenbach, A. (2001). *Optical Interferometry*. *Ann. Rev. Astron. Astrophys.* **39**, 353-401

63. Quirrenbach, A., Roberts, J.E., Fidkowski, K., de Vries, W., & van Breugel, W. (2001). *Keck adaptive optics observations of the radio galaxy 3C294: a merging system at $z = 1.786$?* *Astrophys. J.* **556**, 108-112

64. Tsapras, Y., Street, R.A., Horne, K., Penny, A., Clarke, F., Deeg, H., Garzon, F., Kemp, S., Zapatero Osorio, M.R., Oscoz Abad, A., Madruga Sanchez, S., Eiroa, C., Mora, A., Alberdi, A., Cameron, A., Davies, J.K., Ferlet, R., Grady, C., Harris, A.W., Palacios, J., Quirrenbach, A., Rauer, H., Schneider, J., de Winter, D., Merin, B., & Solano, E. (2001). *Can Jupiters be found by monitoring Galactic bulge microlensing events from northern sites?* *Mon. Not. Royal Astron. Soc.* **325**, 1205-1212

65. Mora, A., Merín, B., Solano E., Montesinos, B., de Winter, D., Eiroa, C., Ferlet, R., Grady, C.A., Davies, J.K., Miranda, L.F., Oudmaijer, R., Palacios, J., Quirrenbach, A., Harris, A.W., Rauer, H., Cameron, A., Deeg, H.J., Garzón, F., Penny, A., Schneider, J., Tsapras, Y., & Wesselius P.R. (2001). *EXPORT: spectral classification and projected rotational velocities of Vega-type and pre-main sequence stars*. *Astron. Astrophys.* **378**, 116-131

66. Oudmaijer, R.D., Palacios, J., Eiroa, C., Davies, J.K., de Winter, D., Ferlet, R., Garzón, F., Grady, C.A., Cameron, A., Deeg, H.J., Harris, A.W., Horne, K., Merín, B., Miranda, L.F., Montesinos, B., Mora, A., Penny, A., Quirrenbach, A., Rauer, H., Schneider, J., Solano, E., Tsapras, Y., & Wesselius, P.R. (2001). *EXPORT: optical photometry and polarimetry of Vega-type and pre-main sequence stars*. *Astron. Astrophys.* **379**, 564-578

67. Gawiser, E., Wolfe, A.M., Prochaska, J.X., Lanzetta, K.M., Yahata, N., & Quirrenbach, A. (2001). *First investigation of the clustering environment of damped Ly α absorbers at $z \simeq 4$* . *Astrophys. J.* **562**, 628-634

68. Leonard, D.C., Filippenko, A.V., Gates, E.L., Li, W., Eastman, R.G., Barth, A.J., Bus, S.J., Chornock, R., Coil, A.L., Frink, S., Grady, C.A., Harris, A.W., Malkan, M.A., Matheson, T., Quirrenbach, A., & Treffers, R.R. (2002). *The distance to SN 1999em in NGC 1637 from the expanding photosphere method*. *Publ. Astron. Soc. Pacific* **114**, 35-64

69. Prochaska, J.X., Gawiser, E., Wolfe, A.M., Quirrenbach, A., Lanzetta, K.M., Chen, H.W., Cooke, J., & Yahata, N. (2002). *Galaxies associated with $z \sim 4$ damped Ly α systems. I. Imaging and photometric selection*. Astron. J. **123**, 2206-2222
70. Eiroa, C., Oudmaijer, R.D., Davies, J.K., de Winter, D., Garzón, F., Palacios, J., Alberdi, A., Ferlet, R., Grady, C.A., Cameron, A., Deeg, H.J., Harris, A.W., Horne, K., Merín, B., Miranda, L.F., Montesinos, B., Mora, A., Penny, A., Quirrenbach, A., Rauer, H., Schneider, J., Solano, E., Tsapras, Y., & Wesselius, P.R. (2002). *On the simultaneous optical and near-infrared variability of pre-main sequence stars*. Astron. Astrophys. **384**, 1038-1049
71. Street, R.A., Horne, K., Lister, T.A., Penny, A., Tsapras, Y., Quirrenbach, A., Safizadeh, N., Cooke, J., Mitchell, D., & Collier Cameron, A. (2002). *Variable stars in the field of open cluster NGC 6819*. Mon. Not. Royal Astron. Soc. **330**, 737-754
72. Frink, S., Mitchell, D.S., Quirrenbach, A., Fischer, D.A., Marcy, G.W., & Butler, R.P. (2002). *Discovery of a substellar companion to the K2 III giant ι Draconis*. Astrophys. J. **576**, 478-484
73. Mora, A., Natta, A., Eiroa, C., Grady, C.A., de Winter, D., Davies, J.K., Ferlet, R., Harris, A.W., Montesinos, B., Oudmaijer, R., Palacios, J., Quirrenbach, A., Rauer, H., Alberdi, A., Cameron, A., Deeg, H.J., Garzón, F., Horne, K., Merín, B., Penny, A., Schneider, J., Solano E., Tsapras, Y., & Wesselius P.R. (2002). *A dynamical study of the circumstellar gas in UX Orionis*. Astron. Astrophys. **393**, 259-271
74. Kraus, A., Krichbaum, T.P., Wegner, R., Witzel, A., Cimò, G., Quirrenbach, A., Britzen, S., Fuhrmann, L., Lobanov, A.P., Naundorf, C.E., Otterbein, K., Peng, B., Risse, M., Ros, E., & Zensus, J.A. (2003). *Intraday variability in compact extragalactic radio sources. II. Observations with the Effelsberg 100 m radio telescope*. Astron. Astrophys. **401**, 161-172
75. Street, R.A., Horne, K., Lister, T.A., Penny, A.J., Tsapras, Y., Quirrenbach, A., Safizadeh, N., Mitchell, D., Cooke, J., & Collier Cameron, A. (2003). *Searching for planetary transits in the field of open cluster NGC 6819 - I*. Mon. Not. Royal Astron. Soc. **340**, 1287-1297
76. Mozurkewich, D., Armstrong, J.T., Hindsley, R.B., Quirrenbach, A., Hummel, C.A., Hutter, D.J., Johnston, K.J., Elias, N.M., Hajian, A.R., Buscher, D.F., & Simon, R.S. (2003). *Angular diameters of stars from the Mark III optical interferometer*. Astron. J. **126**, 2502-2520
77. Quirrenbach, A. (2003). *Next generation instrumentation for the Very Large Telescope Interferometer*. Astrophys. Space Sci. **286**, 277-289

78. Mora A., Eiroa, C., Natta, A., Grady, C.A., de Winter, D., Davies, J.K., Ferlet, R., Harris, A.W., Miranda, L.F., Montesinos, B., Oudmaijer, R.D., Palacios, J., Quirrenbach, A., Rauer, H., Alberdi, A., Cameron, A., Deeg, H.J., Garzón, F., Horne, K., Merín, B., Penny, A., Schneider, J., Solano E., Tsapras, Y., & Wesselius P.R. (2004). *Dynamics of the circumstellar gas in BF Orionis, SV Cephei, WW Vulpeculae and XY Persei*. *Astron. Astrophys.* **419**, 225-240
79. Merín, B., Montesinos, B., Eiroa, C., D'Alessio, P., Calvet, N., Oudmaijer, R.D., de Winter, D., Davies, J.K., Harris, A.W., Cameron, A., Deeg, H.J., Ferlet, R., Garzón, F., Grady, C.A., Horne, K., Miranda, L.F., Palacios, J., Penny, A., Quirrenbach, A., Rauer, H., Schneider, J., & Wesselius, P.R. (2004). *Study of the properties and spectral energy distributions of the Herbig AeBe stars HD 34282 and HD 141569*. *Astron. Astrophys.* **419**, 301-318
80. Quirrenbach, A. (2004). *Ground-based infrared interferometry*. *Adv. Space Res.* **34**, 524-527
81. Baines, D., Oudmaijer, R.D., Mora, A., Eiroa, C., Porter, J.M., Merín, B., Montesinos, B., de Winter, D., Cameron, A., Davies, J.K., Deeg, H.J., Ferlet, R., Grady, C.A., Harris, A.W., Hoare, M.G., Horne, K., Lumsden, S.L., Miranda, L.F., Penny, A., & Quirrenbach, A. (2004). *The pre-main-sequence binary HK Ori: spectro-astrometry and EXPORT data*. *Mon. Not. Royal Astron. Soc.* **353**, 697-704
82. Street, R.A., Horne, K., Lister, T.A., Penny, A., Tsapras, Y., Quirrenbach, A., Safizadeh, N., Cooke, J., Mitchell, D., & Collier Cameron, A. (2005). *Variable stars in the field of open cluster NGC 6819 – II*. *Mon. Not. Royal Astron. Soc.* **358**, 795-812
83. Bramich, D.M., Horne, K., Bond, I.A., Street, R.A., Collier Cameron, A., Hood, B., Cooke, J., James, D., Lister, T.A., Mitchell, D., Pearson, K., Penny, A., Quirrenbach, A., Safizadeh, N., & Tsapras, Y. (2005). *A survey for planetary transits in the field of NGC 7789*. *Mon. Not. Royal Astron. Soc.* **359**, 1096-1116
84. Hood, B., Collier Cameron, A., Kane, S.R., Bramich, D.M., Horne, K., Street, R.A., Bond, I.A., Penny, A.J., Tsapras, Y., Quirrenbach, A., Safizadeh, N., Mitchell, D., & Cooke, J. (2005). *A dearth of planetary transits in the direction of NGC 6940*. *Mon. Not. Royal Astron. Soc.* **360**, 791-800
85. de Graauw, T., Helmich, F.P., Cernicharo, J., Wild, W., Baryshev, A., Bos, A., den Herder, J.W., Gunst, A., Jackson, B., van Langevelde, H.J., Maat, P., Martin-Pintado, J., Noordam, J., Quirrenbach, A., Roelfsema, P.R., Venema, L., Wesselius, P.R., & Yagoubov, P. (2005). *Exploratory submm space radio-interferometric telescope*. *Adv. Space Res.* **36**, 1109-1113
86. Quirrenbach, A., Larkin, J., Barczys, M., Gasaway, T., Iserlohe, C., Krabbe, A., McElwain, M., Song, I., Weiss, J., & Wright, S. (2006). *OSIRIS: AO-assisted integral-field spectroscopy at the Keck Observatory*. *New Astron. Rev.* **49**, 639-646

87. Reffert, S., & Quirrenbach, A. (2006). *Hipparcos astrometric orbits for two brown dwarf companions: HD 38529 and HD 168443*. *Astron. Astrophys.* **449**, 699-702
88. Krabbe, A., Iserlohe, C., Larkin, J.E., Barczys, M., McElwain, M., Weiss, J., Wright, S.A., & Quirrenbach, A. (2006). *Diffraction-limited imaging spectroscopy of the Sagittarius A* region using OSIRIS, a new Keck instrument*. *Astrophys. J.* **642**, L145-L148
89. Larkin, J., Barczys, M., Krabbe, A., Adkins, S., Aliado, T., Amico, P., Brims, G., Campbell, R., Canfield, J., Gasaway, T., Honey, A., Iserlohe, C., Johnson, C., Kress, E., Lafreniere, D., Magnone, K., Magnone, N., McElwain, M., Moon, J., Quirrenbach, A., Skulason, G., Song, I., Spencer, M., Weiss, J., & Wright, S. (2006). *OSIRIS: A diffraction limited integral field spectrograph for Keck*. *New Astron. Rev.* **50**, 362-364
90. Hekker, S., Reffert, S., Quirrenbach, A., Mitchell, D.S., Fischer, D.A., Marcy, G.W., & Butler, R.P. (2006). *Precise radial velocities of giant stars – I. Stable stars*. *Astron. Astrophys.* **454**, 943-949
91. Köhler, R., Petr-Gotzens, M.G., McCaughrean, M.J., Bouvier, J., Duchêne, G., Quirrenbach, A., & Zinnecker, H. (2006). *Binary stars in the Orion Nebula Cluster*. *Astron. Astrophys.* **458**, 461-476
92. Reffert, S., Quirrenbach, A., Mitchell, D.S., Albrecht, S., Hekker, S., Fischer, D.A., Marcy, G.W., & Butler, R.P. (2006). *Precise radial velocities of giant stars. II. Pollux and its planetary companion*. *Astrophys. J.* **652**, 661-665
93. McElwain, M.W., Metchev, S.A., Larkin, J.E., Barczys, M., Iserlohe, C., Krabbe, A., Quirrenbach, A., Weiss, J., & Wright, S.A. (2007). *First high-contrast science with an integral field spectrograph: the substellar companion to GQ Lupi*. *Astrophys. J.* **656**, 505-514
94. Wright, S.A., Larkin, J.E., Barczys, M., Erb, D.K., Iserlohe, C., Krabbe, A., Law, D.R., McElwain, M.W., Quirrenbach, A., Steidel, C.C., & Weiss, J. (2007). *Integral field spectroscopy of a candidate disk galaxy at $z \sim 1.5$ using laser guide star adaptive optics*. *Astrophys. J.* **658**, 78-84
95. Grady, C.A., Schneider, G., Hamaguchi, K., Sitko, M.L., Carpenter, W.J., Hines, D., Collins, K.A., Williger, G.M., Woodgate, B.E., Henning, T., Ménard, F., Wilner, D., Petre, R., Palunas, P., Quirrenbach, A., Nuth, J.A., Silverstone, M.D., & Kim, J.S. (2007). *The disk and environment of a young Vega analog: HD 169142*. *Astrophys. J.* **665**, 1391-1406
96. Albrecht, S., Reffert, S., Snellen, I., Quirrenbach, A., & Mitchell, D.S. (2007). *The spin axes orbital alignment of both stars within the eclipsing binary system V1143 Cyg using the Rossiter-McLaughlin effect*. *Astron. Astrophys.* **474**, 565-573

97. Cunha, M.S., Aerts, C., Christensen-Dalsgaard, J., Baglin, A., Bigot, L., Brown, T.M., Catala, C., Creevey, O.L., Domiciano de Souza, A., Eggenberger, P., Garcia, P.J.V., Grundahl, F., Kervella, P., Kurtz, D.W., Mathias, P., Miglio, A., Monteiro, M.J.P.F.G., Perrin, G., Pijpers, F.P., Pourbaix, D., Quirrenbach, A., Rousselet-Perraut, K., Teixeira, T.C., Thévenin, F., & Thompson, M.J. (2007). *Asteroseismology and interferometry*. *Astron. Astrophys. Rev.* **14**, 217-360

98. Unwin, S.C., Shao, M., Tanner, A.M., Allen, R.J., Beichman, C.A., Boboltz, D., Catanzarite, J.H., Chaboyer, B.C., Ciardi, D.R., Edberg, S.J., Fey, A.L., Fischer, D.A., Gelino, C.R., Gould, A.P., Grillmair, C., Henry, T.J., Johnston, K.V., Johnston, K.J., Jones, D.L., Kulkarni, S.R., Law, N.M., Majewski, S.R., Makarov, V.V., Marcy, G.W., Meier, D.L., Olling, R.P., Pan, X., Patterson, R.J., Pitesky, J.E., Quirrenbach, A., Shaklan, S.B., Shaya, E.J., Strigari, L.E., Tomsick, J.A., Wehrle, A.E., & Worthey, G. (2008). *Taking the measure of the Universe: precision astrometry with SIM PlanetQuest*. *Publ. Astron. Soc. Pac.* **120**, 38-88

99. Hekker, S., Snellen, I.A.G., Aerts, C., Quirrenbach, A., Reffert, S., & Mitchell, D.S. (2008). *Precise radial velocities of giant stars. IV. A correlation between surface gravity and radial velocity variation and a statistical investigation of companion properties*. *Astron. Astrophys.* **480**, 215-222

100. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2008). *Discovery of VHE γ -rays from the high-frequency-peaked BL Lacertae object RGB J0152+017*. *Astron. Astrophys.* **481**, L103-L107

101. Sacuto, S., Jorissen, A., Cruzalèbes, P., Chesneau, O., Ohnaka, K., Quirrenbach, A., & Lopez, B. (2008). *The close circumstellar environment of the semi-regular S-type star π^1 Gruis*. *Astron. Astrophys.* **482**, 561-574

102. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2008). *Chandra and HESS observations of the supernova remnant CTB 37B*. *Astron. Astrophys.* **486**, 829-836

103. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2008). *HESS upper limits for Kepler's supernova remnant*. *Astron. Astrophys.* **488**, 219-223

104. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2008). *Discovery of a VHE gamma-ray source coincident with the supernova remnant CTB 37A*. *Astron. Astrophys.* **490**, 685-693

105. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2008). *Limits on an energy dependence of the speed of light from a flare of the active galaxy PKS 2155-304*. *Phys. Rev. Lett.* **101**, 170402, 1-5

106. Zechmeister, M., Reffert, S., Hatzes, A.P., Endl, M., & Quirrenbach, A. (2008). *The discovery of stellar oscillations in the K giant ι Draconis*. Astron. Astrophys. **491**, 531-536
107. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2008). *Search for gamma rays from dark matter annihilations around intermediate mass black holes with the HESS experiment*. Phys. Rev. D **78**, 072008, 1-12
108. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2008). *Simultaneous HESS and Chandra observations of Sagittarius A* during an X-ray flare*. Astron. Astrophys. **492**, L25-L28
109. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2008). *Energy Spectrum of Cosmic-Ray Electrons at TeV Energies*. Phys. Rev. Lett. **101**, 261104, 1-5
110. Lunine, J.I., Fischer, D., Hammel, H.B., Henning, T., Hillenbrand, L., Kasting, J., Laughlin, G., Macintosh, B., Marley, M., Melnick, G., Monet, D., Noecker, C., Peale, S., Quirrenbach, A., Seager, S., & Winn, J.N. (2008). *Worlds beyond: A strategy for the detection and characterization of exoplanets – executive summary of a report of the ExoPlanet Task Force Astronomy and Astrophysics Advisory Committee, Washington, DC June 23, 2008*. Astrobiology **8**, 875-881
111. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *HESS observations of the prompt and afterglow phases of GRB 060602B*. Astrophys. J. **690**, 1068-1073
112. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *A search for a dark matter annihilation signal toward the Canis Major overdensity with H.E.S.S.* Astrophys. J. **691**, 175-181
113. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Very high energy gamma-ray observations of the galaxy clusters Abell 496 and Abell 85 with HESS*. Astron. Astrophys. **495**, 27-35
114. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *HESS observations of γ -ray bursts in 2003-2007*. Astron. Astrophys. **495**, 505-512
115. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Discovery of gamma-ray emission from the shell-type supernova remnant RCW 86 with HESS*. Astrophys. J. **692**, 1500-1505

116. Cockell, C.S., Herbst, T., Léger, A., Absil, O., Beichman, C., Benz, W., Brack, A., Chazelas, B., Chelli, A., Cottin, H., Coudé Du Foresto, V., Danchi, W., Defrère, D., den Herder, J.W., Eiroa, C., Fridlund, M., Henning, T., Johnston, K., Kaltenegger, L., Labadie, L., Lammer, H., Launhardt, R., Lawson, P., Lay, O.P., Liseau, R., Martin, S.R., Mawet, D., Mourard, D., Moutou, C., Mugnier, L., Paresce, F., Quirrenbach, A., Rabbia, Y., Rottgering, H.J.A., Rouan, D., Santos, N., Selsis, F., Serabyn, E., Westall, F., White, G., Ollivier, M., & Bordé, P. (2009). *Darwin – an experimental astronomy mission to search for extrasolar planets*. *Exp. Astron.* **23**, 435-461

117. Menut, J.L., Chesneau, O., Bakker, E., Lopez, B., Perrin, G., Leinert, C., & Quirrenbach, A. (2009). *Revisiting the optical interferometry observations of HR 4049*. *Astron. Astrophys.* **496**, 133-137

118. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Discovery of very high energy γ -ray emission from Centaurus A with H.E.S.S.* *Astrophys. J.* **695**, L40-L44

119. Cockell, C.S., Léger, A., Fridlund, M., Herbst, T.M., Kaltenegger, L., Absil, O., Beichman, C., Benz, W., Blanc, M., Brack, A., Chelli, A., Colangeli, L., Cottin, H., Coudé Du Foresto, V., Danchi, W.C., Defrère, D., den Herder, J.W., Eiroa, C., Greaves, J., Henning, T., Johnston, K.J., Jones, H., Labadie, L., Lammer, H., Launhardt, R., Lawson, P., Lay, O.P., LeDuigou, J.M., Liseau, R., Malbet, F., Martin, S.R., Mawet, D., Mourard, D., Moutou, C., Mugnier, L.M., Ollivier, M., Paresce, F., Quirrenbach, A., Rabbia, Y.D., Raven, J.A., Rottgering, H.J.A., Rouan, D., Santos, N.C., Selsis, F., Serabyn, E., Shibai, H., Tamura, M., Thiébaut, E., Westall, F., & White, G.J., (2009). *Darwin – a mission to detect and search for life on extrasolar planets*. *Astrobiology* **9**, 1-22

120. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Simultaneous observations of PKS 2155–304 with HESS, Fermi, RXTE, and Atom: Spectral energy distributions and variability in a low state*. *Astrophys. J.* **696**, L150-L155

121. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *HESS upper limit on the very high energy γ -ray emission from the globular cluster 47 Tucanae*. *Astron. Astrophys.* **499**, 273-277

122. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Detection of very high energy radiation from HESS J1908+063 confirms the Milagro unidentified source MGRO J1908+06*. *Astron. Astrophys.* **499**, 723-728

123. Quirrenbach, A. (2009). *The development of astronomical interferometry*. *Exp. Astron.* **26**, 49-63

124. Acciari, V.A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Radio imaging of the very-high-energy γ -ray emission region in the central engine of a radio galaxy*. *Science* **325**, 444-448

125. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Constraints on the multi-TeV particle population in the Coma galaxy cluster with HESS observations*. *Astron. Astrophys.* **502**, 437-443
126. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Simultaneous multiwavelength observations of the second exceptional γ -ray flare of PKS 2155–304 in July 2006*. *Astron. Astrophys.* **502**, 749-770
127. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Spectrum and variability of the Galactic center VHE γ -ray source HESS J1745–290*. *Astron. Astrophys.* **503**, 817-825
128. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Very high energy γ -ray observations of the binary PSR B1259–63/SS2883 around the 2007 Periastron*. *Astron. Astrophys.* **507**, 389-396
129. Acero, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Detection of Gamma Rays from a Starburst Galaxy*. *Science* **326**, 1080-1082
130. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2009). *Probing the ATIC peak in the cosmic-ray electron spectrum with H.E.S.S.* *Astron. Astrophys.* **508**, 561-564
131. HESS collaboration incl. Quirrenbach, A. (2009). *HESS upper limits on very high energy gamma-ray emission from the microquasar GRS 1915+105*. *Astron. Astrophys.* **508**, 1135-1140
132. Fridlund, M., Eiroa, C., Henning, T., Herbst, T., Lammer, H., Léger, A., Liseau, R., Paresce, F., Penny, A., Quirrenbach, A., Röttgering, H., Selsis, F., White, G.J., Absil, O., Defrére, D., Hanot, C., Stam, D., Schneider, J., Tinetti, G., Karlsson, A., Gondoin, P., den Hartog, R., D’Arcio, L., Stankov, A.M., Kilter, M., Erd, C., Beichman, C., Coulter, D., Danchi, W., Devirian, M., Johnston, K.J., Lawson, P., Lay, O.P., Lunine, J., & Kaltenegger, L. (2010). *The search for worlds like our own*. *Astrobiology* **10**, 5-17
133. Alibert, Y., Broeg, C., Benz, W., Wuchterl, G., Grasset, O., Sotin, C., Eiroa, C., Henning, T., Herbst, T., Kaltenegger, L., Léger, A., Liseau, R., Lammer, H., Beichman, C., Danchi, W., Fridlund, M., Lunine, J., Paresce, F., Penny, A., Quirrenbach, A., Röttgering, H., Selsis, F., Schneider, J., Stam, D., Tinetti, G., & White, G.J. (2010). *Origin and formation of planetary systems*. *Astrobiology* **10**, 19-32
134. Dvorak, R., Pilat-Lohinger, E., Bois, E., Schwarz, R., Funk, B., Beichman, C., Danchi, W., Eiroa, C., Fridlund, M., Henning, T., Herbst, T., Kaltenegger, L., Lammer, H., Léger, A., Liseau, R., Lunine, J., Paresce, F., Penny, A., Quirrenbach, A., Röttgering, H., Selsis, F., Schneider, J., Stam, D., Tinetti, G., & White, G.J. (2010). *Dynamical habitability of planetary systems*. *Astrobiology* **10**, 33-43

135. Lammer, H., Selsis, F., Chassefière, E., Breuer, D., Grießmeier, J.M., Kulikov, Y.N., Erkaev, N.V., Khodachenko, M.L., Biernat, H.K., Leblanc, F., Kallio, E., Lundin, R., Westall, F., Bauer, S.J., Beichman, C., Danchi, W., Eiroa, C., Fridlund, M., Gröller, H., Hanslmeier, A., Hausleitner, W., Henning, T., Herbst, T., Kaltenegger, L., Léger, A., Leitzinger, M., Lichtenegger, H.I.M., Liseau, R., Lunine, J., Motschmann, U., Odert, P., Paresce, F., Parnell, J., Penny, A., Quirrenbach, A., Rauer, H., Röttgering, H., Schneider, J., Spohn, T., Stadelmann, A., Stangl, G., Stam, D., Tinetti, G., & White, G.J. (2010). *Geophysical and atmospheric evolution of habitable planets*. *Astrobiology* **10**, 45-68
136. Brack, A., Horneck, G., Cockell, C.S., Bérces, A., Belisheva, N.K., Eiroa, C., Henning, T., Herbst, T., Kaltenegger, L., Léger, A., Liseau, R., Lammer, H., Selsis, F., Beichman, C., Danchi, W., Fridlund, M., Lunine, J., Paresce, F., Penny, A., Quirrenbach, A., Röttgering, H., Schneider, J., Stam, D., Tinetti, G., & White, G.J. (2010). *Origin and evolution of life on terrestrial planets*. *Astrobiology* **10**, 69-76
137. Grenfell, J.L., Rauer, H., Selsis, F., Kaltenegger, L., Beichman, C., Danchi, W., Eiroa, C., Fridlund, M., Henning, T., Herbst, T., Lammer, H., Léger, A., Liseau, R., Lunine, J., Paresce, F., Penny, A., Quirrenbach, A., Röttgering, H., Schneider, J., Stam, D., Tinetti, G., & White, G.J. (2010). *Co-evolution of atmospheres, life, and climate*. *Astrobiology* **10**, 77-88
138. Kaltenegger, L., Selsis, F., Fridlund, M., Lammer, H., Beichman, C., Danchi, W., Eiroa, C., Henning, T., Herbst, T., Léger, A., Liseau, R., Lunine, J., Paresce, F., Penny, A., Quirrenbach, A., Röttgering, H., Schneider, J., Stam, D., Tinetti, G., & White, G.J. (2010). *Deciphering spectral fingerprints of habitable exoplanets*. *Astrobiology* **10**, 89-102
139. Kaltenegger, L., Eiroa, C., Ribas, I., Paresce, F., Leitzinger, M., Odert, P., Hanslmeier, A., Fridlund, M., Lammer, H., Beichman, C., Danchi, W., Henning, T., Herbst, T., Léger, A., Liseau, R., Lunine, J., Penny, A., Quirrenbach, A., Röttgering, H., Selsis, F., Schneider, J., Stam, D., Tinetti, G., & White, G.J. (2010). *Stellar aspects of habitability – characterizing target stars for terrestrial planet-finding missions*. *Astrobiology* **10**, 103-112
140. Fridlund, M., Eiroa, C., Henning, T., Herbst, T., Kaltenegger, L., Léger, A., Liseau, R., Lammer, H., Selsis, F., Beichman, C., Danchi, W., Lunine, J., Paresce, F., Penny, A., Quirrenbach, A., Röttgering, H., Schneider, J., Stam, D., Tinetti, G., & White, G.J. (2010). *A roadmap for the detection and characterization of other Earths*. *Astrobiology* **10**, 113-119
141. Schneider, J., Léger, A., Fridlund, M., White, G.J., Eiroa, C., Henning, T., Herbst, T., Lammer, H., Liseau, R., Paresce, F., Penny, A., Quirrenbach, A., Röttgering, H., Selsis, F., Beichman, C., Danchi, W., Kaltenegger, L., Lunine, J., Stam, D., & Tinetti, G. (2010). *The far future of exoplanet direct characterization*. *Astrobiology* **10**, 121-126

142. HESS collaboration incl. Quirrenbach, A. (2010). *PKS 2005–489 at VHE: four years of monitoring with HESS and simultaneous multi-wavelength observations*. *Astron. Astrophys.* **511**, A52, 1-13
143. Albrecht, S., Quirrenbach, A., Tubbs, R.N., & Vink, R. (2010). *A new concept for the combination of optical interferometers and high-resolution spectrographs*. *Exp. Astron.* **27**, 157-186
144. Acero, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2010). *Localizing the VHE γ -ray source at the Galactic Centre*. *Mon. Not. Royal Astron. Soc.* **402**, 1877-1882
145. HESS collaboration incl. Quirrenbach, A. (2010). *Multi-wavelength observations of H 2356–309*. *Astron. Astrophys.* **516**, A56, 1-11
146. HESS collaboration incl. Quirrenbach, A. (2010). *First detection of VHE γ -rays from SN 1006 by HESS*. *Astron. Astrophys.* **516**, A62, 1-7
147. HESS collaboration incl. Quirrenbach, A. (2010). *VHE γ -ray emission of PKS 2155–304: spectral and temporal variability*. *Astron. Astrophys.* **520**, A83, 1-16
148. Aharonian, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2010). *Discovery of VHE γ -rays from the BL Lacertae object PKS 0548–322*. *Astron. Astrophys.* **521**, A69, 1-6
149. Acero, F., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2011). *Discovery and follow-up studies of the extended, off-plane, VHE gamma-ray source HESS J1507–622*. *Astron. Astrophys.* **525**, A45, 1-7
150. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2011). *Revisiting the Westerlund 2 field with the HESS telescope array*. *Astron. Astrophys.* **525**, A46, 1-8
151. Reffert, S., & Quirrenbach, A. (2011). *Mass constraints on substellar companion candidates from the re-reduced Hipparcos intermediate astrometric data: nine confirmed planets and two confirmed brown dwarfs*. *Astron. Astrophys.* **527**, A140, 1-22
152. HESS collaboration incl. Quirrenbach, A. (2011). *H.E.S.S. constraints on dark matter annihilations towards the Sculptor and Carina dwarf galaxies*. *Astroparticle Phys.* **34**, 608-616
153. HESS collaboration incl. Quirrenbach, A. (2011). *Search for Lorentz invariance breaking with a likelihood fit of the PKS 2155–304 flare data taken on MJD 53944*. *Astroparticle Phys.* **34**, 738-747

154. Pasquali, A., Bik, A., Zibetti, S., Ageorges, N., Seifert, W., Brandner, W., Rix, H.W., Jütte, M., Knierim, V., Buschkamp, P., Feiz, C., Gemperlein, H., Germeroth, A., Hofmann, R., Laun, W., Lederer, R., Lehmitz, M., Lenzen, R., Mall, U., Mandel, H., Müller, P., Naranjo, V., Polsterer, K., Quirrenbach, A., Schäffner, L., Storz, C., & Weiser, P. (2011). *Infrared narrowband tomography of the local starburst NGC 1569 with the Large Binocular Telescope / LUCIFER*. *Astron. J.* **141**, 132, 1-9
155. McLinden, E.M., Finkelstein, S.L., Rhoads, J.E., Malhotra, S., Hibon, P., Richardson, M.L.A., Cresci, G., Quirrenbach, A., Pasquali, A., Bian, F., Fan, X., & Woodward, C.E. (2011). *First spectroscopic measurements of [O III] emission from Ly α selected field galaxies at $z \sim 3.1$* . *Astrophys. J.* **730**, 136, 1-11
156. H.E.S.S. collaboration incl. Quirrenbach, A. (2011). *Detection of very-high-energy γ -ray emission from the vicinity of PSR B1706–44 and G343.1–2.3 with H.E.S.S.* *Astron. Astrophys.* **528**, A143, 1-12
157. HESS collaboration incl. Quirrenbach, A. (2011). *HESS J1943+213: a candidate extreme BL Lacertae object*. *Astron. Astrophys.* **529**, A49, 1-10
158. Martí-Vidal, I., Marcaide, J.M., Quirrenbach, A., Ohnaka, K., Guirado, J.C., & Wittkowski, M. (2011). *AMBER observations of the AGB star RS Capricorni: extended atmosphere and comparison with stellar models*. *Astron. Astrophys.* **529**, A115, 1-8
159. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2011). *Search for a dark matter annihilation signal from the Galactic Center halo with H.E.S.S.* *Phys. Rev. Lett.* **106**, 161301, 1-5
160. Zhao-Geisler, R., Quirrenbach, A., Köhler, R., Lopez, B., & Leinert, C. (2011). *The mid-infrared diameter of W Hydrae*. *Astron. Astrophys.* **530**, A120, 1-17
161. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2011). *H.E.S.S. observations of the globular clusters NGC 6388 and M15 and search for a dark matter signal*. *Astrophys. J.* **735**, 12, 1-8
162. HESS collaboration incl. Quirrenbach, A. (2011). *Very-high-energy gamma-ray emission from the direction of the Galactic globular cluster Terzan 5*. *Astron. Astrophys.* **531**, L18, 1-5
163. HESS collaboration incl. Quirrenbach, A. (2011). *A new SNR with TeV shell-type morphology: HESS J1731–347*. *Astron. Astrophys.* **531**, A81, 1-9
164. HESS collaboration incl. Quirrenbach, A. (2011). *Discovery of the source HESS J1356–645 associated with the young and energetic PSR J1357–6429*. *Astron. Astrophys.* **533**, A103, 1-10

165. HESS collaboration incl. Quirrenbach, A. (2011). *Simultaneous multi-wavelength campaign on PKS 2005–489 in a high state*. Astron. Astrophys. **533**, A110, 1-9
166. Assef, R.J., Denney, K.D., Kochanek, C.S., Peterson, B.M., Kozłowski, S., Ageorges, N., Barrows, R.S., Buschkamp, P., Dietrich, M., Falco, E., Feiz, C., Gemperlein, H., Germeroth, A., Grier, C.J., Hofmann, R., Juette, M., Khan, R., Kilic, M., Knierim, V., Laun, W., Lederer, R., Lehmitz, M., Lenzen, R., Mall, U., Madsen, K.K., Mandel, H., Martini, P., Mathur, S., Mogren, K., Mueller, P., Naranjo, V., Pasquali, A., Polsterer, K., Pogge, R.W., Quirrenbach, A., Seifert, W., Stern, D., Shappee, B., Storz, C., Van Sadars, J., Weiser, P., & Zhang, D. (2011). *Black hole mass estimates based on CIV are consistent with those based on the Balmer lines*. Astrophys. J. **742**, 93, 1-26
167. CTA consortium incl. Quirrenbach, A. (2011). *Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy*. Exp. Astron. **32**, 193-316
168. HESS collaboration incl. Quirrenbach, A. (2012). *Discovery of extended VHE γ -ray emission from the vicinity of the young massive stellar cluster Westerlund 1*. Astron. Astrophys. **537**, A114, 1-11
169. Sánchez, S.F., Kennicutt, R.C., Gil de Paz, A., van de Ven, G., Vílchez, J.M., Wisotzki, L., Walcher, C.J., Mast, D., Aguerri, J.A.L., Albiol-Pérez, S., Alonso-Herrero, A., Alves, J., Bakos, J., Bartáková, T., Bland-Hawthorn, J., Boselli, A., Bomans, D.J., Castillo-Morales, A., Cortijo-Ferrero, C., de Lorenzo-Cáceres, A., Del Olmo, A., Dettmar, R.J., Díaz, A., Ellis, S., Falcón-Barroso, J., Flores, H., Gallazzi, A., García-Lorenzo, B., González Delgado, R., Gruel, N., Haines, T., Hao, C., Husemann, B., Iglésias-Páramo, J., Jahnke, K., Johnson, B., Jungwiert, B., Kalinova, V., Kehrig, C., Kupko, D., López-Sánchez, Á.R., Lyubenova, M., Marino, R.A., Mármol-Queraltó, E., Márquez, I., Masegosa, J., Meidt, S., Mendez-Abreu, J., Monreal-Ibero, A., Montijo, C., Mourão, A.M., Palacios-Navarro, G., Papaderos, P., Pasquali, A., Peletier, R., Pérez, E., Pérez, I., Quirrenbach, A., Relaño, M., Rosales-Ortega, F.F., Roth, M.M., Ruiz-Lara, T., Sánchez-Blázquez, P., Sengupta, C., Singh, R., Stanishev, V., Trager, S.C., Vazdekis, A., Viironen, K., Wild, V., Zibetti, S., & Ziegler, B. (2012). *CALIFA, the Calar Alto Legacy Integral Field Area survey. I. Survey presentation*. Astron. Astrophys. **538**, A8, 1-31
170. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2012). *The 2010 very high energy γ -ray flare and 10 years of multi-wavelength observations of M 87*. Astrophys. J. **746**, 151, 1-18
171. HESS collaboration incl. Quirrenbach, A. (2012). *Discovery of hard-spectrum γ -ray emission from the BL Lacertae object 1ES 0414+009*. Astron. Astrophys. **538**, A103, 1-9

172. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2012). *A multiwavelength view of the flaring state of PKS 2155–304 in 2006*. *Astron. Astrophys.* **539**, A149, 1-22
173. HESS collaboration incl. Quirrenbach, A. (2012). *Discovery of VHE emission towards the Carina arm region with the H.E.S.S. telescope array: HESS J1018–589*. *Astron. Astrophys.* **541**, A5, 1-9
174. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2012). *Search for dark matter annihilation signals from the Fornax galaxy cluster with H.E.S.S.* *Astrophys. J.* **750**, 123, 1-11
175. HESS collaboration incl. Quirrenbach, A. (2012). *Discovery of VHE γ -ray emission and multi-wavelength observations of the BL Lacertae object 1RXS J101015.9–311909*. *Astron. Astrophys.* **542**, A94, 1-10
176. HESS collaboration incl. Quirrenbach, A. (2012). *HESS observations of the Carina nebula and its enigmatic colliding wind binary Eta Carinae*. *Mon. Not. Royal Astron. Soc.* **424**, 128-135
177. HESS collaboration incl. Quirrenbach, A. (2012). *Discovery of gamma-ray emission from the extragalactic pulsar wind nebula N157B with H.E.S.S.* *Astron. Astrophys.* **545**, L2, 1-5
178. Zhao-Geisler, R., Quirrenbach, A., Köhler, R., & Lopez, B. (2012). *Dust and molecular shells in asymptotic giant branch stars*. *Astron. Astrophys.* **545**, A56, 1-31
179. HESS collaboration incl. Quirrenbach, A. (2012). *Constraints on the gamma-ray emission from the cluster-scale AGN outburst in the Hydra A galaxy cluster*. *Astron. Astrophys.* **545**, A103, 1-8
180. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2012). *Spectral analysis and interpretation of the γ -ray emission from the starburst galaxy NGC 253*. *Astrophys. J.* **757**, 158, 1-12
181. Malbet, F., Léger, A., Shao, M., Goullioud, R., Lagage, P.O., Brown, A.G.A., Cara, C., Durand, G., Eiroa, C., Feautrier, P., Jakobsson, B., Hinglais, E., Kaltenegger, L., Labadie, L., Lagrange, A.M., Laskar, J., Liseau, R., Lunine, J., Maldonado, J., Mercier, M., Mordasini, C., Queloz, D., Quirrenbach, A., Sozzetti, A., Traub, W., Absil, O., Alibert, Y., Andrei, A.H., Arenou, F., Beichman, C., Chelli, A., Cockell, C.S., Duvert, G., Forveille, T., Garcia, P.J.V., Hobbs, D., Krone-Martins, A., Lamer, H., Meunier, N., Minardi, S., Moitinho de Almeida, A., Rambaux, N., Raymond, S., Röttgering, H.J.A., Sahlmann, J., Schuller, P.A., Ségransan, D., Selsis, F., Surdej, J., Villaver, E., White, G.J., & Zinnecker, H. (2012). *High precision astrometry mission for the detection and characterization of nearby habitable planetary systems with the Nearby Earth Astrometric Telescope (NEAT)*. *Exp. Astron.* **34**, 385-413

182. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2012). *Probing the extent of the non-thermal emission from the Vela X region at TeV energies with H.E.S.S.* Astron. Astrophys. **548**, A38, 1-11
183. HESS collaboration incl. Quirrenbach, A. (2012). *Identification of HESS J1303–631 as a pulsar wind nebula through γ -ray, X-ray, and radio observations.* Astron. Astrophys. **548**, A46, 1-10
184. Husemann, B., Jahnke, K., Sánchez, S.F., Barrado, D., Bekeraite, S., Bomans, D.J., Castillo-Morales, A., Catalán-Torrecilla, C., Cid Fernandes, R., Falcón-Barroso, J., García-Benito, R., González Delgado, R.M., Iglesias-Páramo, J., Johnson, B.D., Kupko, D., López-Fernandez, R., Lyubenova, M., Marino, R.A., Mast, D., Miskolczi, A., Monreal-Ibero, A., Gil de Paz, A., Pérez, E., Pérez, I., Rosales-Ortega, F.F., Ruiz-Lara, T., Schilling, U., van de Ven, G., Walcher, J., Alves, J., de Amorim, A.L., Backsmann, N., Barrera-Ballesteros, J.K., Bland-Hawthorn, J., Cortijo, C., Dettmar, R.J., Demleitner, M., Díaz, A.I., Enke, H., Florido, E., Flores, H., Galbany, L., Gallazzi, A., García-Lorenzo, B., Gomes, J.M., Gruel, N., Haines, T., Holmes, L., Jungwiert, B., Kalinova, V., Kehrig, C., Kennicutt, R.C., Klar, J., Lehnert, M.D., López-Sánchez, Á.R., de Lorenzo-Cáceres, A., Mármol-Queraltó, E., Márquez, I., Mendez-Abreu, J., Mollá, M., del Olmo, A., Meidt, S.E., Papaderos, P., Puschig, J., Quirrenbach, A., Roth, M.M., Sánchez-Blázquez, P., Spekkens, K., Singh, R., Stanishev, V., Trager, S.C., Vilchez, J.M., Wild, V., Wisotzki, L., Zibetti, S., & Ziegler, B. (2013). *CALIFA, the Calar Alto Legacy Integral Field Area survey. II. First public data release.* Astron. Astrophys. **549**, A87, 1-25
185. HESS collaboration incl. Quirrenbach, A. (2013). *Measurement of the extragalactic background light imprint on the spectra of the brightest blazars observed with H.E.S.S.* Astron. Astrophys. **550**, A4, 1-11
186. HESS collaboration incl. Quirrenbach, A. (2013). *Search for very-high-energy γ -ray emission from Galactic globular clusters with H.E.S.S.* Astron. Astrophys. **551**, A26, 1-8
187. Sahlmann, J., Henning, T., Queloz, D., Quirrenbach, A., Elias, N.M., Launhardt, R., Pepe, F., Reffert, S., Ségransan, D., Setiawan, J., Abuter, R., Andolfato, L., Bizenberger, P., Baumeister, H., Chazelas, B., Delplancke, F., Dérie, F., Di Lieto, N., Duc, T.P., Fleury, M., Graser, U., Kaminski, A., Köhler, R., Lévêque, S., Maire, C., Mégevand, D., Mérand, A., Michellod, Y., Moeresmau, J.M., Mohler, M., Müller, A., Müllhaupt, P., Naranjo, V., Sache, L., Salvade, Y., Schmid, C., Schuhler, N., Schulze-Hartung, T., Sosnowska, D., Tubbs, B., van Belle, G.T., Wagner, K., Weber, L., Zago, L., & Zimmerman, N. (2013). *The ESPRI project: astrometric exoplanet search with PRIMA. I. Instrument description and performance of first light observations.* Astron. Astrophys. **551**, A52, 1-31

188. HESS collaboration incl. Quirrenbach, A. (2013). *H.E.S.S. observations of the binary system PSR B1259–63/LS 2883 around the 2010/2011 periastron passage*. Astron. Astrophys. **551**, A94, 1-7
189. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2013). *Search for photon-linelike signatures from dark matter annihilations with H.E.S.S.* Phys. Rev. Lett. **110**, 041301, 1-6
190. Acharya, B.S., et al. (CTA consortium) incl. Quirrenbach, A. (2013). *Introducing the CTA concept*. Astroparticle Phys. **43**, 3-18
191. HESS collaboration incl. Quirrenbach, A. (2013). *Discovery of TeV γ -ray emission from PKS 0447–439 and derivation of an upper limit on its redshift*. Astron. Astrophys. **552**, A118, 1-14
192. Sánchez, S.F., Rosales-Ortega, F.F., Jungwiert, B., Iglesias-Páramo, J., Vílchez, J.M., Marino, R.A., Walcher, C.J., Husemann, B., Mast, D., Monreal-Ibero, A., Cid Fernandes, R., Pérez, E., González Delgado, R., García-Benito, R., Galbany, L., van de Ven, G., Jahnke, K., Flores, H., Bland-Hawthorn, J., López-Sánchez, A.R., Stanishchev, V., Miralles-Caballero, D., Díaz, A.I., Sánchez-Blazquez, P., Mollá, M., Gallazzi, A., Papaderos, P., Gomes, J.M., Gruel, N., Pérez, I., Ruiz-Lara, T., Florido, E., de Lorenzo-Cáceres, A., Mendez-Abreu, J., Kehrig, C., Roth, M.M., Ziegler, B., Alves, J., Wisotzki, L., Kupko, D., Quirrenbach, A., & Bomans, D. (2013). *Mass-metallicity relation explored with CALIFA. I. Is there a dependence on the star-formation rate?* Astron. Astrophys. **554**, A58, 1-8
193. HESS collaboration incl. Quirrenbach, A. (2013). *Discovery of high and very high-energy emission from the BL Lacertae object SHBL J001355.9–185406*. Astron. Astrophys. **554**, A72, 1-8
194. HESS collaboration incl. Quirrenbach, A. (2013). *H.E.S.S. discovery of VHE γ -rays from the quasar PKS 1510–089*. Astron. Astrophys. **554**, A107, 1-7
195. Mitchell, D.S., Reffert, S., Trifonov, T., Quirrenbach, A., & Fischer, D.A. (2013). *Precise radial velocities of giant stars. V. A brown dwarf and a planet orbiting the K giant stars τ Geminorum and 91 Aquarii*. Astron. Astrophys. **555**, A87, 1-10
196. Iserlohe, C., Krabbe, A., Larkin, J.E., Barczys, M., McElwain, M.W., Quirrenbach, A., Weiss, J., & Wright, S.A. (2013). *Near-infrared imaging spectroscopy of the inner few arcseconds of NGC 4151 with OSIRIS at Keck*. Astron. Astrophys. **556**, A136, 1-27
197. HESS collaboration incl. Quirrenbach, A. (2013). *HESS and Fermi-LAT discovery of γ -rays from the blazar 1ES 1312–423*. Mon. Not. Royal Astron. Soc. **434**, 1889-1901

198. HESS collaboration incl. Quirrenbach, A. (2013). *Discovery of very high energy gamma-ray emission from the BL Lacertae object PKS 0301–243 with H.E.S.S.* Astron. Astrophys. **559**, A136, 1-11
199. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2013). *Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS 2155–304 energy spectrum.* Phys. Rev. D **88**, 102003, 1-12
200. Aliu, E., et al. (VERITAS & H.E.S.S. collaborations) incl. Quirrenbach, A. (2014). *Long-term TeV and X-ray observations of the gamma-ray binary HESS J0632+057.* Astron. Astrophys. J. **780**, 168, 1-14
201. HESS collaboration incl. Quirrenbach, A. (2014). *HESS J1818–154, a new composite supernova remnant discovered in TeV gamma rays and X-rays* Astron. Astrophys. **562**, A40, 1-10
202. González Delgado, R.M., Pérez, E., Cid Fernandes, R., Garca-Benito, R., de Amorim, A.L., Sánchez, S.F., Husemann, B., Cortijo-Ferrero, C., López Fernández, R., Sánchez-Blázquez, P., Bekeraite, S., Walcher, C.J., Falcón-Barroso, J., Gallazzi, A., van de Ven, G., Alves, J., Bland-Hawthorn, J., Kennicutt, R.C., Kupko, D., Lyubenova, M., Mast, D., Mollá, M., Marino, R.A., Quirrenbach, A., Vílchez, J.M., & Wisotzki, L. (2014). *The star formation history of CALIFA galaxies: Radial structures.* Astron. Astrophys. **562**, A47, 1-25
203. HESS collaboration incl. Quirrenbach, A. (2014). *Search for extended gamma-ray emission around AGN with H.E.S.S. and Fermi-LAT.* Astron. Astrophys. **562**, A145, 1-10
204. HESS collaboration incl. Quirrenbach, A. (2014). *H.E.S.S. observations of the Crab during its March 2013 GeV gamma-ray flare.* Astron. Astrophys. **562**, L4, 1-5
205. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2014). *HESS J1640–465 — an exceptionally luminous TeV gamma-ray supernova remnant.* Mon. Not. Royal Astron. Soc. **439**, 2828-2836
206. HESS collaboration incl. Quirrenbach, A. (2014). *Flux upper limits for 47 AGN observed with H.E.S.S. in 2004-2011.* Astron. Astrophys. **564**, A9, 1-10
207. HESS collaboration incl. Quirrenbach, A. (2014). *Search for TeV gamma-ray emission from GRB 100621A, an extremely bright GRB in X-rays, with H.E.S.S.* Astron. Astrophys. **565**, A16, 1-6
208. HESS collaboration incl. Quirrenbach, A. (2014). *TeV gamma-ray observations of the young synchrotron-dominated SNRs G1.9+0.3 and G330.2+1.0 with H.E.S.S.* Mon. Not. Royal Astron. Soc. **441**, 790-799

209. Arroyo-Torres, B., Martí-Vidal, I., Marcaide, J.M., Wittkowski, M., Guirado, J.C., Hauschildt, P.H., Quirrenbach, A., & Fabregat, J. (2014). *VLT/AMBER observations of cold giant stars: atmospheric structures and fundamental parameters*. *Astron. Astrophys.* **566**, A88, 1-11
210. Wild, V., Rosales-Ortega, F., Falcón-Barroso, J., García-Benito, R., Gallazzi, A., González Delgado, R.M., Bekeraite, S., Pasquali, A., Johansson, P.H., García Lorenzo, B., van de Ven, G., Pawlik, M., Pérez, E., Monreal-Ibero, A., Lyubenova, M., Cid Fernandes, R., Méndez-Abreu, J., Barrera-Ballesteros, J., Kehrig, C., Iglesias-Páramo, J., Bomans, D.J., Márquez, I., Johnson, B.D., Kennicutt, R.C., Husemann, B., Mast, D., Sánchez, S.F., Walcher, C.J. Alves, J., Aguerri, A.L., Alonso Herrero, A., Bland-Hawthorn, J., Catalán-Torrecilla, C., Florido, E., Gomes, J.M., Jahnke, K., López-Sánchez, Á.R., de Lorenzo-Cáceres, A., Marino, R.A., Mármol-Queraltó, E., Olden, P., del Olmo, A., Papaderos, P., Quirrenbach, A., Vilchez, J.M., & Ziegler, B. (2014). *The Mice at play in the CALIFA survey. A case study of a gas-rich major merger between first passage and coalescence*. *Astron. Astrophys.* **567**, A132, 1-21
211. Trifonov, T., Reffert, S., Tan, X., Lee, M.H., & Quirrenbach, A. (2014). *Precise radial velocities of giant stars. VI. A possible 2:1 resonant planet pair around the K giant star η Ceti*. *Astron. Astrophys.* **568**, A64, 1-15
212. Walcher, C.J., Wisotzki, L., Bekeraité, S., Husemann, B., Iglesias-Páramo, J., Backsmann, N., Barrera Ballesteros, J., Catalán-Torrecilla, C., Cortijo, C., del Olmo, A., Garcia Lorenzo, B., Falcón-Barroso, J., Jilkova, L., Kalinova, V., Mast, D., Marino, R.A., Méndez-Abreu, J., Pasquali, A., Sánchez, S.F., Trager, S., Zibetti, S., Aguerri, J.A.L., Alves, J., Bland-Hawthorn, J., Boselli, A., Castillo Morales, A., Cid Fernandes, R., Flores, H., Galbany, L., Gallazzi, A., García-Benito, R., Gil de Paz, A., González-Delgado, R.M., Jahnke, K., Jungwiert, B., Kehrig, C., Lyubenova, M., Márquez Perez, I., Masegosa, J., Monreal Ibero, A., Pérez, E., Quirrenbach, A., Rosales-Ortega, F.F., Roth, M.M., Sanchez-Blazquez, P., Spekkens, K., Tundo, E., van de Ven, G., Verheijen, M.A.W., Vilchez, J.V., & Ziegler, B. (2014). *CALIFA: a diameter-selected sample for an integral field spectroscopy galaxy survey*. *Astron. Astrophys.* **569**, A1, 1-18
213. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2014). *Discovery of the hard spectrum VHE gamma-ray source HESS J1641–463*. *Astrophys. J.* **794**, L1, 1-6
214. HESS collaboration incl. Quirrenbach, A. (2014). *Long-term monitoring of PKS 2155–304 with ATOM and H.E.S.S.: investigation of optical/gamma-ray correlations in different spectral states*. *Astron. Astrophys.* **571**, A39, 1-10
215. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2014). *Search for dark matter annihilation signatures in H.E.S.S. observations of dwarf spheroidal galaxies*. *Phys. Rev. D* **90**, 112012, 1-15

216. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2014). *Diffuse Galactic gamma-ray emission with H.E.S.S.* Phys. Rev. D **90**, 122007, 1-8

217. Rauer, H., Catala, C., Aerts, C., Appourchaux, T., Benz, W., Brandeker, A., Christensen-Dalsgaard, J., Deleuil, M., Gizon, L., Goupil, M.J., Güdel, M., Janot-Pacheco, E., Mas-Hesse, M., Pagano, I., Piotto, G., Pollacco, D., Santos, C., Smith, A., Suárez, J.C., Szabó, R., Udry, S., Adibekyan, V., Alibert, Y., Almenara, J.M., Amaro-Seoane, P., Ammler-von Eiff, M., Asplund, M., Antonello, E., Barnes, S., Baudin, F., Belkacem, K., Bergemann, M., Bihain, G., Birch, A.C., Bonfils, X., Boisse, I., Bonomo, A.S., Borsa, F., Brandão, I.M., Brocato, E., Brun, S., Burleigh, M., Burston, R., Cabrera, J., Cassisi, S., Chaplin, W., Charpinet, S., Chiappini, C., Church, R.P., Csizmadia, S., Cunha, M., Damasso, M., Davies, M.B., Deeg, H.J., Díaz, R.F., Dreizler, S., Dreyer, C., Eggenberger, P., Ehrenreich, D., Eig Müller, P., Erikson, A., Farmer, R., Feltzing, S., de Oliveira Fialho, F., Figueira, P., Forveille, T., Fridlund, M., García, R.A., Giommi, P., Giuffrida, G., Godolt, M., Gomes da Silva, J., Granzer, T., Grenfell, J.L., Grottsch-Noels, A., Günther, E., Haswell, C.A., Hatzes, A.P., Hébrard, G., Hekker, S., Helled, R., Heng, K., Jenkins, J.M., Johansen, A., Khodachenko, M.L., Kislyakova, K.G., Kley, W., Kolb, U., Krivova, N., Kupka, F., Lammer, H., Lanza, A.F., Lebreton, Y., Magrin, D., Marcos-Arenal, P., Marrese, P.M., Marques, J.P., Martins, J., Mathis, S., Mathur, S., Messina, S., Miglio, A., Montalbán, J., Montalto, M., Monteiro, M.J.P.F.G., Moradi, H., Moravveji, E., Mordasini, C., Morel, T., Mortier, A., Nascimbeni, V., Nelson, R.P., Nielsen, M.B., Noack, L., Norton, A.J., Ofir, A., Oshagh, M., Ouazzani, R.M., Pápics, P., Parro, V.C., Petit, P., Plez, B., Poretti, E., Quirrenbach, A., Ragazzoni, R., Raimondo, G., Rainer, M., Reese, D. R., Redmer, R., Reffert, S., Rojas-Ayala, B., Roxburgh, I.W., Salmon, S., Santerne, A., Schneider, J., Schou, J., Schuh, S., Schunker, H., Silva-Valio, A., Silvotti, R., Skillen, I., Snellen, I., Sohl, F., Sousa, S.G., Sozzetti, A., Stello, D., Strassmeier, K.G., Svanda, M., Szabó, G.M., Tkachenko, A., Valencia, D., Van Grootel, V., Vauclair, S.D., Ventura, P., Wagner, F.W., Walton, N.A., Weingrill, J., Werner, S.C., Wheatley, P.J., & Zwintz, K. (2014). *The PLATO 2.0 mission*. Exp. Astron. **38**, 249-330

218. Ricker, G.R., Winn, J.N., Vanderspek, R., Latham, D.W., Bakos, G.Á., Bean, J.L., Berta-Thompson, Z.K., Brown, T.M., Buchhave, L., Butler, N.R., Butler, R.P., Chaplin, W.J., Charbonneau, D., Christensen-Dalsgaard, J., Clampin, M., Deming, D., Doty, J., De Lee, N., Dressing, C., Dunham, E.W., Endl, M., Fressin, F., Ge, J., Henning, T., Holman, M.J., Howard, A.W., Ida, S., Jenkins, J., Jernigan, G., Johnson, J.A., Kaltenegger, L., Kawai, N., Kjeldsen, H., Laughlin, G., Levine, A.M., Lin, D., Lissauer, J.J., MacQueen, P., Marcy, G., McCullough, P.R., Morton, T.D., Narita, N., Paegert, M., Palle, E., Pepe, F., Pepper, J., Quirrenbach, A., Rinehart, S.A., Sasselov, D., Sato, B., Seager, S., Sozzetti, A., Stassun, K.G., Sullivan, P., Szentgyorgyi, A., Torres, G., Udry, S., & Villaseñor, J. (2014). *Transiting Exoplanet Survey Satellite*. J. Astron. Telesc. Instrum. Syst. **1**, 014003, 1-10

219. HESS collaboration incl. Quirrenbach, A. (2015). *The exceptionally powerful TeV γ -ray emitters in the Large Magellanic Cloud*. Science **347**, 406-412

220. HESS collaboration incl. Quirrenbach, A. (2015). *Discovery of the VHE gamma-ray source HESS J1832–093 in the vicinity of SNR G22.7–0.2*. Mon. Not. Royal Astron. Soc. **446**, 1163-1169
221. HESS collaboration incl. Quirrenbach, A. (2015). *The high-energy gamma-ray emission of AP Librae*. Astron. Astrophys. **573**, A31, 1-7
222. Ortiz, M., Gandolfi, D., Reffert, S., Quirrenbach, A., Deeg, H.J., Karjalainen, R., Montañes-Rodríguez, P., Nespral, D., Nowak, G., Osorio, Y., & Palles, E. (2015). *Kepler-432b: a massive warm Jupiter in a 52-day eccentric orbit transiting a giant star*. Astron. Astrophys. **573**, L6, 1-5
223. HESS collaboration incl. Quirrenbach, A. (2015). *Probing the gamma-ray emission from HESS J1834–087 using H.E.S.S. and Fermi LAT observations*. Astron. Astrophys. **574**, A27, 1-10
224. HESS collaboration incl. Quirrenbach, A. (2015). *H.E.S.S. detection of TeV emission from the interaction region between the supernova remnant G349.7+0.2 and a molecular cloud*. Astron. Astrophys. **574**, A100, 1-7
225. Reffert, S., Bergmann, C., Quirrenbach, A., Trifonov, T., & Künstler, A. (2015). *Precise radial velocities of giant stars. VII. Occurrence rate of giant extrasolar planets as a function of mass and metallicity*. Astron. Astrophys. **574**, A116, 1-13
226. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2015). *Constraints on an annihilation signal from a core of constant dark matter density around the Milky Way center with H.E.S.S.* Phys. Rev. Lett. **114**, 081301, 1-6
227. Acharya, B.S., et al. (CTA consortium) incl. Quirrenbach, A. (2015). *The Cherenkov Telescope Array potential for the study of young supernova remnants*. Astroparticle Phys. **62**, 152-164
228. HESS collaboration incl. Quirrenbach, A. (2015). *H.E.S.S. reveals a lack of TeV emission from the supernova remnant Puppis A*. Astron. Astrophys. **575**, A81, 1-6
229. Abramowski, A., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2015). *The 2012 flare of PG 1553+113 seen with H.E.S.S. and Fermi-LAT*. Astrophys. J. **802**, 65, 1-14

230. García-Benito, R., Zibetti, S., Sánchez, S.F., Husemann, B., de Amorim, A.L., Castillo-Morales, A., Cid Fernandes, R., Ellis, S.C., Falcón-Barroso, J., Galbany, L., Gil de Paz, A., González Delgado, R.M., Lacerda, E.A.D., López-Fernandez, R., de Lorenzo-Cáceres, A., Lyubenova, M., Marino, R.A., Mast, D., Mendoza, M.A., Pérez, E., Vale Asari, N., Aguerri, J.A.L., Ascasibar, Y., Bekeraité, S., Bland-Hawthorn, J., Barrera-Ballesteros, J.K., Bomans, D.J., Cano-Díaz, M., Catalán-Torrecilla, C., Cortijo, C., Delgado-Inglada, G., Demleitner, M., Dettmar, R.J., Díaz, A.I., Florido, E., Gallazzi, A., García-Lorenzo, B., Gomes, J.M., Holmes, L., Iglesias-Páramo, J., Jahnke, K., Kalinova, V., Kehrig, C., Kennicutt, R.C., López-Sánchez, Á.R., Márquez, I., Masegosa, J., Meidt, S.E., Mendez-Abreu, J., Mollá, M., Monreal-Ibero, A., Morisset, C., del Olmo, A., Papaderos, P., Pérez, I., Quirrenbach, A., Rosales-Ortega, F.F., Roth, M.M., Ruiz-Lara, T., Sánchez-Blázquez, P., Sánchez-Menguiano, L., Singh, R., Spekkens, K., Stanishev, V., Torres-Papaqui, J.P., van de Ven, G., Vilchez, J.M., Walcher, C.J., Wild, V., Wisotzki, L., Ziegler, B., Alves, J., Barrado, D., Quintana, J.M., & Aceituno, J. (2015). *CALIFA, the Calar Alto Legacy Integral Field Area survey. III. Second public data release*. *Astron. Astrophys.* **576**, A135, 1-30
231. Alonso-Floriano, F.J., Morales, J.C., Caballero, J.A., Montes, D., Klutsch, A., Mundt, R., Cortés-Contreras, M., Ribas, I., Reiners, A., Amado, P.J., Quirrenbach, A., & Jeffers, S.V. (2015). *CARMENES input catalogue of M dwarfs. I. Low-resolution spectroscopy with CAFOS*. *Astron. Astrophys.* **577**, A128, 1-19
232. HESS collaboration incl. Quirrenbach, A. (2015). *Discovery of variable VHE gamma-ray emission from the binary system 1FGL J1018.6–5856*. *Astron. Astrophys.* **577**, 131, 1-6
233. Zhao-Geisler, R., Köhler, R., Kemper, F., Kerschbaum, F., Mayer, A., Quirrenbach, A., & Lopez, B. (2015). *Spectro-imaging of the asymmetric inner molecular and dust shell region of the Mira variable W Hya with MIDI/VLTI*. *Publ. Astron. Soc. Pac.* **127**, 732-741
234. González Delgado, R.M., García-Benito, R., Pérez, E., Cid Fernandes, R., de Amorim, A.L., Cortijo-Ferrero, C., Lacerda, E.A.D., López Fernández, R., Vale-Asari, N., Sánchez, S.F., Mollá, M., Ruiz-Lara, T., Sánchez-Blázquez, P., Walcher, C.J., Alves, J., Aguerri, J.A.L., Bekeraité, S., Bland-Hawthorn, J., Galbany, L., Gallazzi, A., Husemann, B., Iglesias-Páramo, J., Kalinova, V., López-Sánchez, A.R., Marino, R.A., Márquez, I., Masegosa, J., Mast, D., Méndez-Abreu, J., Mendoza, A., del Olmo, A., Pérez, I., Quirrenbach, A., & Zibetti, S. (2015). *The CALIFA survey across the Hubble sequence. Spatially resolved stellar population properties in galaxies*. *Astron. Astrophys.* **581**, A103, 1-44
235. Schwab, C., Stürmer, J., Gurevich, Y.V., Führer, T., Lamoreaux, S.K., Walther, T., & Quirrenbach, A. (2015). *Stabilizing a Fabry-Perot etalon peak to 3 cm s^{-1} for spectrograph calibration*. *Publ. Astron. Soc. Pac.* **127**, 880-889

236. Trifonov, T., Reffert, S., Zechmeister, M., Reiners, A., & Quirrenbach, A. (2015). *Precise radial velocities of giant stars. VIII. Testing for the presence of planets with CRIRES infrared radial velocities.* *Astron. Astrophys.* **582**, A54, 1-14
237. HESS collaboration incl. Quirrenbach, A. (2016). *Acceleration of petaelectronvolt protons in the Galactic Centre.* *Nature* **531**, 476-479
238. Fischer, D.A., Anglada-Escude, G., Arriagada, P., Baluev, R.V., Bean, J.L., Bouchy, F., Buchhave, L.A., Carroll, T., Chakraborty, A., Crepp, J.R., Dawson, R.I., Diddams, S.A., Dumusque, X., Eastman, J.D., Endl, M., Figueira, P., Ford, E.B., Foreman-Mackey, D., Fournier, P., Furész, G., Gaudi, B.S., Gregory, P.C., Grundahl, F., Hatzes, A.P., Hébrard, G., Herrero, E., Hogg, D.W., Howard, A.W., Johnson, J.A., Jorden, P., Jurgenson, C.A., Latham, D.W., Laughlin, G., Loredó, T.J., Lovis, C., Mahadevan, S., McCracken, T.M., Pepe, F., Perez, M., Phillips, D.F., Plavchan, P.P., Prato, L., Quirrenbach, A., Reiners, A., Robertson, P., Santos, N.C., Sawyer, D., Segransan, D., Sozzetti, A., Steinmetz, T., Szentgyorgyi, A., Udry, S., Valenti, J.A., Wang, S.X., Wittenmyer, R.A., & Wright, J.T. (2016). *State of the field: extreme precision radial velocities.* *Publ. Astron. Soc. Pac.* **128**, 066001, 1-43
239. Abdallah, H., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2016). *Search for dark matter annihilations towards the inner Galactic halo from 10 years of observations with H.E.S.S.* *Phys. Rev. Lett.* **117**, 111301, 1-6
240. Abdallah, H., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2016). *H.E.S.S. Limits on linelike dark matter signatures in the 100 GeV to 2 TeV energy range close to the Galactic Center.* *Phys. Rev. Lett.* **117**, 151302, 1-7
241. Ortiz, M., Reffert, S., Trifonov, T., Quirrenbach, A., Mitchell, D.S., Nowak, G., Buenzli, E., Zimmerman, N., Bonnefoy, M., Skemer, A., Defrère, D., Lee, M.H., Fischer, D.A., & Hinz, P.M. (2016). *Precise radial velocities of giant stars. IX. HD 59686 Ab: a massive circumstellar planet orbiting a giant star in a 13.6 au eccentric binary system.* *Astron. Astrophys.* **595**, A55, 1-14
242. Cortés-Contreras, M., Béjar, V.J.S., Caballero, J.A., Gauza, B., Montes, D., Alonso-Floriano, F.J., Jeffers, S.V., Morales, J.C., Reiners, A., Ribas, I., Schöfer, P., Quirrenbach, A., Amado, P.J., Mundt, R., & Seifert, W. (2017). *CARMENES input catalogue of M dwarfs. II. High-resolution imaging with FastCam.* *Astron. Astrophys.* **597**, A47, 1-13
243. HESS collaboration incl. Quirrenbach, A. (2017). *First limits on the very-high energy gamma-ray afterglow emission of a fast radio burst. H.E.S.S. observations of FRB 150418.* *Astron. Astrophys.* **597**, A115, 1-5
244. HESS collaboration incl. Quirrenbach, A. (2017). *Characterizing the gamma-ray long-term variability of PKS 2155–304 with H.E.S.S. and Fermi-LAT.* *Astron. Astrophys.* **598**, A39, 1-11

245. HESS collaboration incl. Quirrenbach, A., & LAT collaboration (2017). *Gamma-ray blazar spectra with H.E.S.S. II mono analysis: The case of PKS 2155–304 and PG 1553+113*. Astron. Astrophys. **600**, A89, 1-13
246. Acero, F., et al. (CTA consortium) incl. Quirrenbach, A. (2017). *Prospects for Cherenkov Telescope Array observations of the young supernova remnant RX J1713.7–3946*. Astrophys. J. **840**, 74, 1-14
247. Petroff, E., et al., ANTARES Collaboration, & H.E.S.S. Collaboration incl. Quirrenbach, A. (2017). *A polarized fast radio burst at low Galactic latitude*. Mon. Not. Royal Astron. Soc. **469**, 4465-4482
248. Dietrich, P.I., Harris, R.J., Blaicher, M., Corrigan, M.K., Morris, T.M., Freude, W., Quirrenbach, A., & Koos, C. (2017). *Printed freeform lens arrays on multi-core fibers for highly efficient coupling in astrophotonic systems*. Opt. Expr. 25, 18288-18295
249. Garcia-Piquer, A., Morales, J.C., Ribas, I., Colomé, J., Guàrdia, J., Perger, M., Caballero, J.A., Cortés-Contreras, M., Jeffers, S.V., Reiners, A., Amado, P.J., Quirrenbach, A., & Seifert, W. (2017). *Efficient scheduling of astronomical observations. Application to the CARMENES radial-velocity survey*. Astron. Astrophys. **604**, A87, 1-16
250. HESS collaboration incl. Quirrenbach, A. (2017). *Measurement of the EBL spectral energy distribution using the VHE γ -ray spectra of H.E.S.S. blazars*. Astron. Astrophys. **606**, A59, 1-11
251. Abbott, B.P. et al. incl. HESS collaboration incl. Quirrenbach, A. (2017). *Multi-messenger observations of a binary neutron star merger*. Astrophys. J. Lett. **848**, L12, 1-59
252. Abdallah, H., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2017). *TeV gamma-ray observations of the binary neutron star merger GW170817 with H.E.S.S.* Astrophys. J. Lett. **850**, L22, 1-9
253. Abdallah, H., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2018). *Search for γ -ray line signals from dark matter annihilations in the inner Galactic halo from 10 years of observations with H.E.S.S.* Phys. Rev. Lett. **120**, 201101, 1-7
254. Zechmeister, M., Reiners, A., Amado, P.J., Azzaro, M., Bauer, F.F., Béjar, V.J.S., Caballero, J.A., Guenther, E.W., Hagen, H.J., Jeffers, S.V., Kaminski, A., Kürster, M., Launhardt, R., Montes, D., Morales, J.C., Quirrenbach, A., Reffert, S., Ribas, I., Seifert, W., Tal-Or, L., & Wolthoff, V. (2018). *Spectrum radial velocity analyser (SERVAL). High-precision radial velocities and two alternative spectral indicators*. Astron. Astrophys. **609**, A12, 1-13

255. Trifonov, T., Kürster, M., Zechmeister, M., Tal-Or, L., Caballero, J.A., Quirrenbach, A., Amado, P.J., Ribas, I., Reiners, A., Reffert, S., Dreizler, S., Hatzes, A.P., Kaminski, A., Launhardt, R., Henning, T., Montes, D., Béjar, V.J.S., Mundt, R., Pavlov, A., Schmitt, J.H.M.M., Seifert, W., Morales, J.C., Nowak, G., Jeffers, S.V., Rodríguez-López, C., del Burgo, C., Anglada-Escudé, G., López-Santiago, J., Mathar, R.J., Ammler-von Eiff, M., Guenther, E.W., Barrado, D., González Hernández, J.I., Mancini, L., Stürmer, J., Abril, M., Aceituno, J., Alonso-Floriano, F.J., Antona, R., Anwand-Heerwart, H., Arroyo-Torres, B., Azzaro, M., Baroch, D., Bauer, F.F., Becerril, S., Benítez, D., Berdiñas, Z.M., Bergond, G., Blümcke, M., Brinkmüller, M., Cano, J., Cárdenas Vázquez, M.C., Casal, E., Cifuentes, C., Claret, A., Colomé, J., Cortés-Contreras, M., Czesla, S., Díez-Alonso, E., Feiz, C., Fernández, M., Ferro, I.M., Fuhrmeister, B., Galadí-Enríquez, D., García-Piquer, A., García Vargas, M.L., Gesa, L., Gómez Galera, V., González-Peinado, R., Grözing, U., Grohnert, S., Guàrdia, J., Guijarro, A., de Guindos, E., Gutiérrez-Soto, J., Hagen, H.J., Hauschildt, P.H., Hedrosa, R.P., Helmling, J., Hermelo, I., Hernández Arabí, R., Hernández Castaño, L., Hernández Hernando, F., Herrero, E., Huber, A., Huke, P., Johnson, E., de Juan, E., Kim, M., Klein, R., Klüter, J., Klutsch, A., Lafarga, M., Lampón, M., Lara, L.M., Laun, W., Lemke, U., Lenzen, R., López del Fresno, M., López-González, M.J., López-Puertas, M., López Salas, J.F., Luque, R., Magán Madinabeitia, H., Mall, U., Mandel, H., Marfil, E., Marín Molina, J.A., Maroto Fernández, D., Martín, E.L., Martín-Ruiz, S., Marvin, C.J., Mirabet, E., Moya, A., Moreno-Raya, M.E., Nagel, E., Naranjo, V., Nortmann, L., Ofir, A., Oreiro, R., Pallé, E., Panduro, J., Pascual, J., Passegger, V.M., Pedraz, S., Pérez-Calpena, A., Pérez Medialdea, D., Perger, M., Perryman, M.A.C., Pluto, M., Rabaza, O., Ramón, A., Rebolo, R., Redondo, P., Reinhardt, S., Rhode, P., Rix, H.W., Rodler, F., Rodríguez, E., Rodríguez Trinidad, A., Rohloff, R.R., Rosich, A., Sadegi, S., Sánchez-Blanco, E., Sánchez Carrasco, M.A., Sánchez-López, A., Sanz-Forcada, J., Sarkis, P., Sarmiento, L.F., Schäfer, S., Schiller, J., Schöfer, P., Schweitzer, A., Solano, E., Stahl, O., Strachan, J.B.P., Suárez, J.C., Tabernero, H.M., Tala, M., Tulloch, S.M., Veredas, G., Vico Linares, J.I., Vilardell, F., Wagner, K., Winkler, J., Wolthoff, V., Xu, W., Yan, F., & Zapatero Osorio, M.R. (2018). *The CARMENES search for exoplanets around M dwarfs. First visual-channel radial-velocity measurements and orbital parameter updates of seven M-dwarf planetary systems*. *Astron. Astrophys.* **609**, A117, 1-24

256. Trifonov, T., Lee, M.H., Reffert, S., & Quirrenbach, A. (2018). *Dynamical analysis of the circumprimary planet in the eccentric binary system HD 59686*. *Astron. J.* **155**, 174, 1-14

257. Reiners, A., Ribas, I., Zechmeister, M., Caballero, J.A., Trifonov, T., Dreizler, S., Morales, J.C., Tal-Or, L., Lafarga, M., Quirrenbach, A., Amado, P. J., Kaminski, A., Jeffers, S.V., Aceituno, J., Béjar, V.J.S., Guàrdia, J., Guenther, E.W., Hagen, H.J., Montes, D., Passegger, V.M., Seifert, W., Schweitzer, A., Cortés-Contreras, M., Abril, M., Alonso-Floriano, F.J., Ammler-von Eiff, M., Antona, R., Anglada-Escudé, G., Anwand-Heerwart, H., Arroyo-Torres, B., Azzaro, M., Baroch, D., Barrado, D., Bauer, F. F., Becerril, S., Benítez, D., Berdiñas, Z.M., Bergond, G., Blümcke, M., Brinkmüller, M., del Burgo, C., Cano, J., Cárdenas Vázquez, M.C., Casal, E., Cifuentes, C., Claret, A., Colomé, J., Czesla, S., Díez-Alonso, E., Feiz, C., Fernández,

M., Ferro, I.M., Fuhrmeister, B., Galadí-Enríquez, D., Garcia-Piquer, A., García Vargas, M.L., Gesa, L., Gómez Galera, V., González Hernández, J.I., González-Peinado, R., Grözing, U., Grohnert, S., Guijarro, A., de Guindos, E., Gutiérrez-Soto, J., Hatzes, A.P., Hauschildt, P.H., Hedrosa, R.P., Helmling, J., Henning, T., Hermelo, I., Hernández Arabí, R., Hernández Castaño, L., Hernández Hernando, F., Herrero, E., Huber, A., Huke, P., Johnson, E.N., de Juan, E., Kim, M., Klein, R., Klüter, J., Klutsch, A., Kürster, M., Labarga, F., Lamert, A., Lampón, M., Lara, L. M., Laun, W., Lemke, U., Lenzen, R., Launhardt, R., López del Fresno, M., López-González, M.J., López-Puertas, M., López Salas, J.F., López-Santiago, J., Luque, R., Magán Madinabeitia, H., Mall, U., Mancini, L., Mandel, H., Marfil, E., Marín Molina, J.A., Maroto Fernández, D., Martín, E.L., Martín-Ruiz, S., Marvin, C.J., Mathar, R.J., Mirabet, E., Moreno-Raya, M.E., Moya, A., Mundt, R., Nagel, E., Naranjo, V., Nortmann, L., Nowak, G., Ofir, A., Oreiro, R., Pallé, E., Panduro, J., Pascual, J., Pavlov, A., Pedraz, S., Pérez-Calpena, A., Pérez Medialdea, D., Perger, M., Perryman, M.A.C., Pluto, M., Rabaza, O., Ramón, A., Rebolo, R., Redondo, P., Reffert, S., Reinhart, S., Rhode, P., Rix, H.W., Rodler, F., Rodríguez, E., Rodríguez-López, C., Rodríguez Trinidad, A., Rohloff, R.R., Rosich, A., Sadeg, S., Sánchez-Blanco, E., Sánchez Carrasco, M.A., Sánchez-López, A., Sanz-Forcada, J., Sarkis, P., Sarmiento, L.F., Schäfer, S., Schmitt, J.H.M.M., Schiller, J., Schöfer, P., Solano, E., Stahl, O., Strachan, J.B.P., Stürmer, J., Suárez, J.C., Tabernero, H.M., Tala, M., Tulloch, S.M., Ulbrich, R.G., Veredas, G., Vico Linares, J.I., Vilardell, F., Wagner, K., Winkler, J., Wolthoff, V., Xu, W., Yan, F., & Zapatero Osorio, M.R. (2018). *The CARMENES search for exoplanets around M dwarfs. HD 147379 b: A nearby Neptune in the temperate zone of an early-M dwarf.* Astron. Astrophys. **609**, L5, 1-7

258. HESS collaboration incl. Quirrenbach, A. (2018). *Detection of variable VHE gamma-ray emission from the extra-galactic gamma-ray binary LMC P3.* Astron. Astrophys. **610**, L17, 1-5

259. Abdallah, H., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2018). *H.E.S.S. discovery of very high energy gamma-ray emission from PKS 0625–354* Mon. Not. Royal Astron. Soc. **476**, 4187-4198

260. HESS collaboration incl. Quirrenbach, A. (2018). *The H.E.S.S. Galactic plane survey.* Astron. Astrophys. **612**, A1, 1-61

261. HESS collaboration incl. Quirrenbach, A. (2018). *The population of TeV pulsar wind nebulae in the H.E.S.S. Galactic Plane Survey.* Astron. Astrophys. **612**, A2, 1-25

262. HESS collaboration incl. Quirrenbach, A. (2018). *Population study of Galactic supernova remnants at very high γ -ray energies with H.E.S.S.* Astron. Astrophys. **612**, A3, 1-18

263. HESS collaboration incl. Quirrenbach, A. (2018). *Detailed spectral and morphological analysis of the shell type supernova remnant RCW 86.* Astron. Astrophys. **612**, A4, 1-7

264. HESS collaboration incl. Quirrenbach, A. (2018). *The supernova remnant W49B as seen with H.E.S.S. and Fermi-LAT*. *Astron. Astrophys.* **612**, A5, 1-10
265. HESS collaboration incl. Quirrenbach, A. (2018). *H.E.S.S. observations of RX J1713.7–3946 with improved angular and spectral resolution: Evidence for gamma-ray emission extending beyond the X-ray emitting shell*. *Astron. Astrophys.* **612**, A6, 1-25
266. HESS collaboration incl. Quirrenbach, A. (2018). *Deeper H.E.S.S. observations of Vela Junior (RX J0852.0–4622): Morphology studies and resolved spectroscopy*. *Astron. Astrophys.* **612**, A7, 1-14
267. HESS collaboration incl. Quirrenbach, A. (2018). *A search for new supernova remnant shells in the Galactic plane with H.E.S.S.* *Astron. Astrophys.* **612**, A8, 1-23
268. HESS collaboration incl. Quirrenbach, A. (2018). *Characterising the VHE diffuse emission in the central 200 parsecs of our Galaxy with H.E.S.S.* *Astron. Astrophys.* **612**, A9, 1-13
269. HESS collaboration incl. Quirrenbach, A. (2018). *A search for very high-energy flares from the microquasars GRS 1915+105, Circinus X-1, and V4641 Sgr using contemporaneous H.E.S.S. and RXTE observations*. *Astron. Astrophys.* **612**, A10, 1-22
270. HESS collaboration incl. Quirrenbach, A. (2018). *Extended VHE γ -ray emission towards SGR 1806–20, LBV 1806–20, and stellar cluster Cl* 1806–20*. *Astron. Astrophys.* **612**, A11, 1-8
271. HESS collaboration incl. Quirrenbach, A. (2018). *Systematic search for very-high-energy gamma-ray emission from bow shocks of runaway stars*. *Astron. Astrophys.* **612**, A12, 1-6
272. HESS collaboration incl. Quirrenbach, A. (2018). *HESS J1741–302: a hidden accelerator in the Galactic plane*. *Astron. Astrophys.* **612**, A13, 1-8
273. MAGIC collaboration, & HESS collaboration incl. Quirrenbach, A. (2018). *Constraints on particle acceleration in SS 433/W 50 from MAGIC and H.E.S.S. observations*. *Astron. Astrophys.* **612**, A14, 1-8
274. Reiners, A., Zechmeister, M., Caballero, J.A., Ribas, I., Morales, J.C., Jeffers, S.V., Schöfer, P., Tal-Or, L., Quirrenbach, A., Amado, P.J., Kaminski, A., Seifert, W., Abril, M., Aceituno, J., Alonso-Floriano, F.J., Ammler-von Eiff, M., Antona, R., Anglada-Escudé, G., Anwand-Heerwart, H., Arroyo-Torres, B., Azzaro, M., Baroch, D., Barrado, D., Bauer, F.F., Becerril, S., Béjar, V.J.S., Benítez, D., Berdiñas, Z.M., Bergond, G., Blümcke, M., Brinkmöller, M., del Burgo, C., Cano, J., Cárdenas Vázquez, M.C., Casal, E., Cifuentes, C., Claret, A., Colomé, J., Cortés-Contreras, M., Czesla, S., Díez-Alonso, E., Dreizler, S., Feiz, C., Fernández, M., Ferro, I.M., Fuhrmeister, B., Galadí-Enríquez, D., García-Piquer, A., García Vargas, M.L., Gesa,

L., Gómez Galera, V., González Hernández, J.I., González-Peinado, R., Grözing, U., Grohnert, S., Guàrdia, J., Guenther, E.W., Guijarro, A., de Guindos, E., Gutiérrez-Soto, J., Hagen, H.J., Hatzes, A.P., Hauschildt, P.H., Hedrosa, R.P., Helmling, J., Henning, T., Hermelo, I., Hernández Arabí, R., Hernández Castaño, L., Hernández Hernando, F., Herrero, E., Huber, A., Huke, P., Johnson, E.N., de Juan, E., Kim, M., Klein, R., Klüter, J., Klutsch, A., Kürster, M., Lafarga, M., Lamert, A., Lampón, M., Lara, L.M., Laun, W., Lemke, U., Lenzen, R., Launhardt, R., López del Fresno, M., López-González, J., López-Puertas, M., López Salas, J.F., López-Santiago, J., Luque, R., Magán Madinabeitia, H., Mall, U., Mancini, L., Mandel, H., Marfil, E., Marín Molina, J.A., Maroto Fernández, D., Martín, E.L., Martín-Ruiz, S., Marvin, C.J., Mathar, R.J., Mirabet, E., Montes, D., Moreno-Raya, M.E., Moya, A., Mundt, R., Nagel, E., Naranjo, V., Nortmann, L., Nowak, G., Ofir, A., Oreiro, R., Pallé, E., Panduro, J., Pascual, J., Passegger, V.M., Pavlov, A., Pedraz, S., Pérez-Calpena, A., Pérez Medialdea, D., Perger, M., Perryman, M.A.C., Pluto, M., Rabaza, O., Ramón, A., Rebolo, R., Redondo, P., Reffert, S., Reinhart, S., Rhode, P., Rix, H.W., Rodler, F., Rodríguez, E., Rodríguez-López, C., Rodríguez Trinidad, A., Rohloff, R.R., Rosich, A., Sadegi, S., Sánchez-Blanco, E., Sánchez Carrasco, M.A., Sánchez-López, A., Sanz-Forcada, J., Sarkis, P., Sarmiento, L.F., Schäfer, S., Schmitt, J.H.M.M., Schiller, J., Schweitzer, A., Solano, E., Stahl, O., Strachan, J.B.P., Stürmer, J., Suárez, J.C., Tabernero, H.M., Tala, M., Trifonov, T., Tulloch, S.M., Ulbrich, R.G., Veredas, G., Vico Linares, J.I., Vilardell, F., Wagner, K., Winkler, J., Wolthoff, V., Xu, W., Yan, F., & Zapatero Osorio, M.R. (2018). *The CARMENES search for exoplanets around M dwarfs. High-resolution optical and near-infrared spectroscopy of 324 survey stars.* *Astron. Astrophys.* **612**, A49, 1-63

275. Sarkis, P., Henning, T., Kürster, M., Trifonov, T., Zechmeister, M., Tal-Or, L., Anglada-Escudé, G., Hatzes, A.P., Lafarga, M., Dreizler, S., Ribas, I., Caballero, J.A., Reiners, A., Mallonn, M., Morales, J.C., Kaminski, A., Aceituno, J., Amado, P.J., Béjar, V.J.S., Hagen, H.J., Jeffers, S., Quirrenbach, A., Launhardt, R., Marvin, C., & Montes, D. (2018). *The CARMENES search for exoplanets around M dwarfs: A low-mass planet in the temperate zone of the nearby K2-18.* *Astron. J.* **155**, 257, 1-18

276. Jeffers, S.V., Schöfer, P., Lamert, A., Reiners, A., Montes, D., Caballero, J.A.; Cortés-Contreras, M., Marvin, C.J., Passegger, V.M., Zechmeister, M., Quirrenbach, A., Alonso-Floriano, F.J., Amado, P.J., Bauer, F.F., Casal, E., Díez Alonso, E., Herrero, E., Morales, J.C., Mundt, R., Ribas, I., & Sarmiento, L.F. (2018). *CARMENES input catalogue of M dwarfs. III. Rotation and activity from high-resolution spectroscopic observations.* *Astron. Astrophys.* **614**, A76, 1-19

277. Tal-Or, L., Zechmeister, M., Reiners, A., Jeffers, S.V., Schöfer, P., Quirrenbach, A., Amado, P.J., Ribas, I., Caballero, J.A., Aceituno, J., Bauer, F.F., Béjar, V.J.S., Czesla, S., Dreizler, S., Fuhrmeister, B., Hatzes, A.P., Johnson, E.N., Kürster, M., Lafarga, M., Montes, D., Morales, J.C., Reffert, S., Sadegi, S., Seifert, W., & Shulyak, D. (2018). *The CARMENES search for exoplanets around M dwarfs. Radial-velocity variations of active stars in visual-channel spectra.* *Astron. Astrophys.* **614**, A122, 1-17

278. Anagnos, T., Harris, R.J., Corrigan, M.K., Reeves, A.P., Townson, M.J., MacLachlan, D.G., Thomson, R.R., Morris, T.J., Schwab, C., & Quirrenbach, A. (2018). *Simulation and optimisation of an astrophotonic reformatter*. Mon. Not. Royal Astron. Soc. **478**, 4881-4889
279. Passegger, V.M., Reiners, A., Jeffers, S.V., Wende-von Berg, S., Schöfer, P., Caballero, J.A., Schweitzer, A., Amado, P.J., Béjar, V.J.S., Cortés-Contreras, M., Hatzes, A.P., Kürster, M., Montes, D., Pedraz, S., Quirrenbach, A., Ribas, I., & Seifert, W. (2018). *The CARMENES search for exoplanets around M dwarfs. Photospheric parameters of target stars from high-resolution spectroscopy*. Astron. Astrophys. **615**, A6, 1-11
280. Fuhrmeister, B., Czesla, S., Schmitt, J.H.M.M., Jeffers, S.V., Caballero, J.A., Zechmeister, M., Reiners, A., Ribas, I., Amado, P.J., Quirrenbach, A., Béjar, V.J.S., Galadí-Enríquez, D., Guenther, E.W., Kürster, M., Montes, D., & Seifert, W. (2018). *The CARMENES search for exoplanets around M dwarfs. Wing asymmetries of H α , Na I D, and He I lines*. Astron. Astrophys. **615**, A14, 1-25
281. The IceCube Collaboration, Fermi-LAT, MAGIC, AGILE, ASAS-SN, HAWC, H.E.S.S., INTEGRAL, Kanata, Kiso, Kapteyn, Liverpool Telescope, Subaru, Swift/NuSTAR, VERITAS, & VLA/17B-403 teams incl. Quirrenbach, A. (2018). *Multimesenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A*. Science **361**, 146
282. Stock, S., Reffert, S., & Quirrenbach, A. (2018). *Precise radial velocities of giant stars. X. Bayesian stellar parameters and evolutionary stages for 372 giant stars from the Lick planet search*. Astron. Astrophys. **616**, A33, 1-25
283. HESS collaboration incl. Quirrenbach, A. (2018). *The starburst galaxy NGC 253 revisited by H.E.S.S. and Fermi-LAT*. Astron. Astrophys. **617**, A73, 1-7
284. Kaminski, A., Trifonov, T., Caballero, J.A., Quirrenbach, A., Ribas, I., Reiners, A., Amado, P.J., Zechmeister, M., Dreizler, S., Perger, M., Tal-Or, L., Bonfils, X., Mayor, M., Astudillo-Defru, N., Bauer, F.F., Béjar, V.J.S., Cifuentes, C., Colomé, J., Cortés-Contreras, M., Delfosse, X., Díez-Alonso, E., Forveille, T., Guenther, E.W., Hatzes, A.P., Henning, T., Jeffers, S.V., Kürster, M., Lafarga, M., Luque, R., Mandel, H., Montes, D., Morales, J.C., Passegger, V.M., Pedraz, S., Reffert, S., Sadegi, S., Schweitzer, A., Seifert, W., Stahl, O., & Udry, S. (2018). *The CARMENES search for exoplanets around M dwarfs. A Neptune-mass planet traversing the habitable zone around HD 180617*. Astron. Astrophys. **618**, A115, 1-11

285. Baroch, D., Morales, J.C., Ribas, I., Tal-Or, L., Zechmeister, M., Reiners, A., Caballero, J.A., Quirrenbach, A., Amado, P.J., Dreizler, S., Lalitha, S., Jeffers, S.V., Lafarga, M., Béjar, V.J.S., Colomé, J., Cortés-Contreras, M., Díez-Alonso, E., Galadí-Enríquez, D., Guenther, E.W., Hagen, H.J., Henning, T., Herrero, E., Kürster, M., Montes, D., Nagel, E., Passegger, V.M., Perger, M., Rosich, A., Schweitzer, A., & Seifert, W. (2018). *The CARMENES search for exoplanets around M dwarfs. Nine new double-line spectroscopic binary stars*. *Astron. Astrophys.* **619**, A32, 1-17

286. HESS collaboration incl. Quirrenbach, A. (2018). *The γ -ray spectrum of the core of Centaurus A as observed with H.E.S.S. and Fermi-LAT*. *Astron. Astrophys.* **619**, A71, 1-10

287. Ribas, I., Tuomi, M., Reiners, A., Butler, R.P., Morales, J.C., Perger, M., Dreizler, S., Rodríguez-López, C., González Hernández, J.I., Rosich, A., Feng, F., Trifonov, T., Vogt, S.S., Caballero, J.A., Hatzes, A., Herrero, E., Jeffers, S.V., Lafarga, M., Murgas, F., Nelson, R.P., Rodríguez, E., Strachan, J.B.P., Tal-Or, L., Teske, J., Toledo-Padrón, B., Zechmeister, M., Quirrenbach, A., Amado, P.J., Azzaro, M., Béjar, V.J.S., Barnes, J.R., Berdiñas, Z.M., Burt, J., Coleman, G., Cortés-Contreras, M., Crane, J., Engle, S.G., Guinan, E.F., Haswell, C.A., Henning, T., Holden, B., Jenkins, J., Jones, H.R.A., Kaminski, A., Kiraga, M., Kürster, M., Lee, M.H., López-González, M.J., Montes, D., Morin, J., Ofir, A., Pallé, E., Rebolo, R., Reffert, S., Schweitzer, A., Seifert, W., Shectman, S.A., Staab, D., Street, R.A., Suárez Mascareño, A., Tsapras, Y., Wang, S.X., & Anglada-Escudé, G. (2018). *A super-Earth planet candidate orbiting at the snow-line of Barnard's star*. *Nature* **563**, 365-368

288. HESS collaboration incl. Quirrenbach, A. (2018). *First ground-based measurement of sub-20 GeV to 100 GeV γ -rays from the Vela pulsar with H.E.S.S. II*. *Astron. Astrophys.* **620**, A66, 1-14

289. Salz, M., Czesla, S., Schneider, P.C., Nagel, E., Schmitt, J.H.M.M., Nortmann, L., Alonso-Floriano, F.J., López-Puertas, M., Lampón, M., Bauer, F.F., Snellen, I.A.G., Pallé, E., Caballero, J.A., Yan, F., Chen, G., Sanz-Forcada, J., Amado, P.J., Quirrenbach, A., Ribas, I., Reiners, A., Béjar, V.J.S., Casasayas-Barris, N., Cortés-Contreras, M., Dreizler, S., Guenther, E.W., Henning, T., Jeffers, S.V., Kaminski, A., Kürster, M., Lafarga, M., Lara, L.M., Molaverdikhani, K., Montes, D., Morales, J.C., Sánchez-López, A., Seifert, W., Zapatero Osorio, M.R., & Zechmeister, M. (2018). *Detection of He I $\lambda 10830 \text{ \AA}$ absorption on HD 189733 b with CARMENES high-resolution transmission spectroscopy*. *Astron. Astrophys.* **620**, A97, 1-13

290. Luque, R., Nowak, G., Pallé, E., Kossakowski, D., Trifonov, T., Zechmeister, M., Béjar, V.J.S.; Cardona Guillén, C., Tal-Or, L., Hidalgo, D., Ribas, I., Reiners, A., Caballero, J.A., Amado, P.J., Quirrenbach, A., Aceituno, J., Cortés-Contreras, M., Díez-Alonso, E., Dreizler, S., Guenther, E.W., Henning, T., Jeffers, S.V., Kaminski, A., Kürster, M., Lafarga, M., Montes, D., Morales, J.C., Passegger, V.M., Schmitt, J.H.M.M., & Schweitzer, A. (2018). *The CARMENES search for exoplanets around M dwarfs. The warm super-Earths in twin orbits around the mid-type M dwarfs Ross 1020 (GJ 3779) and LP 819–052 (GJ 1265)*. *Astron. Astrophys.* **620**, A171, 1-12
291. Rabien, S., Angel, R., Barl, L., Beckmann, U., Busoni, L., Belli, S., Bonaglia, M., Borelli, J., Brynnel, J., Buschkamp, P., Cardwell, A., Contursi, A., Connot, C., Davies, R., Deysenroth, M., Durney, O., Eisenhauer, F., Elberich, M., Esposito, S., Frye, B., Gaessler, W., Gasho, V., Gemperlein, H., Genzel, R., Georgiev, I.Y., Green, R., Hart, M., Kohlmann, C., Kulas, M., Lefebvre, M., Mazzoni, T., Noenickx, J., Orban de Xivry, G., Ott, T., Peter, D., Puglisi, A., Qin, Y., Quirrenbach, A., Raab, W., Rademacher, M., Rahmer, G., Rosensteiner, M., Rix, H.W., Salinari, P., Schwab, C., Sivitilli, A., Steinmetz, M., Storm, J., Veillet, C., Weigelt, G., & Ziegler, J. (2018). *ARGOS at the LBT. Binocular laser guided ground-layer adaptive optics*. *Astron. Astrophys.* **621**, A4, 1-21
292. Abdallah, H., et al. (H.E.S.S. collaboration) incl. Quirrenbach, A. (2019). *VHE γ -ray discovery and multiwavelength study of the blazar 1ES 2322–409* *Mon. Not. Royal Astron. Soc.* **482**, 3011-3022

Conference papers (reviews, invited and contributed papers; abstracts not included):

1. Bruhns, H., & Quirrenbach, A. (1987). *Twodimensional two-fluid simulation of the formation of spheromaks produced by the theta-z-pinch method*. In *Proceedings of the 8th U.S. compact toroid symposium*, Eds. DeSilva, A.W., & Goldenbaum, G.C., p. 27-30. University of Maryland, College Park, MD
2. Porcas, R.W., Garrett, M., Quirrenbach, A., Wilkinson, P.N., & Walsh, D. (1989). *First VLBI hybrid maps of 0957+561 A and B*. In *Gravitational lenses*, Eds. Moran, J.M., Hewitt, J.N., & Lo, K.Y., p. 82-83. Springer-Verlag
3. Quirrenbach, A. (1991). *Intraday variability of extragalactic radio sources*. In *Variability of active galactic nuclei*, Eds. Miller, H.R., & Wiita, P.J., p. 165-167. Cambridge University Press
4. Wagner, S.J., Sanchez-Pons, F., Anton, K., Quirrenbach, A., & Witzel, A. (1991). *Microvariability in the BL Lac object 0716+714*. In *Variability of active galactic nuclei*, Eds. Miller, H.R., & Wiita, P.J., p. 120-122. Cambridge University Press
5. Quirrenbach, A. (1991). *Intraday radio variability of quasars and BL Lac objects*. In *Variability of active galaxies*, Eds. Duschl, W.J., Wagner, S.J., & Camenzind, M., p. 131-141. Springer-Verlag
6. Qian, S.J., Krichbaum, T.P., Witzel, A., Quirrenbach, A., Hummel, C.A., & Zensus, J.A. (1991). *On the trajectories of the superluminal knots in 3C345*. In *High energy astrophysics: compact stars and active galaxies*, Ed. Li Qibin, p. 80-84. World Scientific, Singapore
7. Witzel, A., & Quirrenbach, A. (1992). *Intraday variability and the compactness of extragalactic radio sources*. In *Propagation effects in space VLBI*, Ed. Gurvits, L.I., p. 33-44. National Astronomy and Ionosphere Center, Arecibo, PR
8. Quirrenbach, A. (1992). *Variability and VLBI observations of extragalactic radio sources*. In *Reviews in modern astronomy 5*, Ed. Klare, G., p. 214-228. Springer-Verlag
9. Schalinski, C.J., Witzel, A., Hummel, C.A., Krichbaum, T.P., Quirrenbach, A., & Johnston, K.J. (1992). *Monitoring of the milliarcsecond-structure of S5-1928+738: Apparent superluminal motion along a fixed path?* In *Variability of blazars*, Eds. Valtaoja, E., & Valtonen, M., p. 221-224. Cambridge University Press
10. Schalinski, C.J., Witzel, A., Krichbaum, T.P., Hummel, C.A., Quirrenbach, A., & Johnston, K.J. (1992). *Structural variability of blazars from the complete S5-VLBI sample*. In *Variability of blazars*, Eds. Valtaoja, E., & Valtonen, M., p. 225-228. Cambridge University Press

11. Krichbaum, T.P., Quirrenbach, A., & Witzel, A. (1992). *Intraday variability of compact extragalactic radio sources*. In *Variability of blazars*, Eds. Valtaoja, E., & Valtonen, M., p. 331-345. Cambridge University Press
12. Schalinski, C.J., Witzel, A., Hummel, C.A., Krichbaum, T.P., Quirrenbach, A., & Johnston, K.J. (1992). *The radio jets of the S5-Quasar 1928+738*. In *Physics of active galactic nuclei*, Eds. Duschl, W.J., & Wagner, S.J., p. 589-591. Springer-Verlag
13. Wegner, R., Witzel, A., Quirrenbach, A., Krichbaum, T.P., & Schalinski, C.J. (1992). *Intraday variability of compact radio sources*. In *Physics of active galactic nuclei*, Eds. Duschl, W.J., & Wagner, S.J., p. 600-602. Springer-Verlag
14. Wagner, S.J., Heidt, J., Witzel, A., Wegner, R., & Quirrenbach, A. (1992). *Radio- and optical variability in 0716+714*. In *Physics of active galactic nuclei*, Eds. Duschl, W.J., & Wagner, S.J., p. 598-599. Springer-Verlag
15. Quirrenbach, A. (1992). *Measurements of stellar diameters and shapes with the MkIII optical interferometer*. In *High resolution imaging by interferometry II*, ESO Conference and Workshop Proceedings No. 39, Eds. Beckers, J.M., & Merkle, F., p. 663-672
16. Elósegui, P., Marcaide, J.M., Alberdi, A., Ratner, M.I., Shapiro, I.I., Quirrenbach, A., Witzel, A., Mantovani, F., & Rius, A. (1992). *VLBI phase-referencing at 5 degrees separation*. In *Proc. conf. sub-arcsecond radio astronomy*, University of Manchester, p. 412-414
17. Quirrenbach, A. (1993). *Stellar diameters, limb darkening, extended atmospheres, and shells: observations with the MkIII interferometer*. In *Proc. IAU Symp. 158, Very high angular resolution imaging*. Eds. Robertson, J.G., & Tango, W.J., Kluwer, p. 407-409
18. Quirrenbach, A. (1993). *Rapid variability of quasars*. In *Journal of the AAVSO*, 22, p. 55-63
19. Quirrenbach, A. (1994). *Seven Be stars resolved by optical long-baseline interferometry*. In *Proc. IAU Symp. 162, Pulsation, rotation and mass loss in early-type stars*. Eds. Balona, L.A., Henrichs, H., & Le Contel, J.M., Kluwer, p. 450-451
20. Eckart, A., Böker, T., Hofmann, R., Katterloher, R., Quirrenbach, A., Löwe, M., & Cruzalèbes, P. (1994). *Recent results from the imaging beam combiner simulator COSI at the MPE*. In *Amplitude and Intensity Spatial Interferometry II*. Ed. Breckinridge, J.B., SPIE Vol. 2200, p. 458-468

21. Katterloher, R., Böker, T., Eckart, A., Hofmann, R., Jakob, G., Quirrenbach, A., & Löwe, M. (1994). *Design and construction of the MPE beam combiner simulator COSI*. In *Amplitude and Intensity Spatial Interferometry II*. Ed. Breckinridge, J.B., SPIE Vol. 2200, p. 469-478
22. Quirrenbach, A. (1995). *Astrometric detection and investigation of planetary systems with the VLT Interferometer*. In *Science with the VLT*. Eds. Walsh, J.R., & Danziger, I.J., Springer-Verlag, p. 33-37
23. Tacconi-Garman, L.E., Eckart, A., Drapatz, S., Genzel, R., Hofmann, R., Löwe, M., & Quirrenbach, A. (1995). *Resolving extragalactic nuclei with the VLT*. In *Science with the VLT*. Eds. Walsh, J.R., & Danziger, I.J., Springer-Verlag, p. 293-298
24. von der Lühse, O., Quirrenbach, A., & Koehler, B. (1995). *Narrow-angle astrometry with the VLT Interferometer*. In *Science with the VLT*. Eds. Walsh, J.R., & Danziger, I.J., Springer-Verlag, p. 445-450
25. Quirrenbach, A., Löwe, M., Stecklum, B., Henning, Th., & Eckart, A. (1995). *Imaging of circumstellar matter with the VLT Interferometer*. In *Science with the VLT, poster paper supplement*. Eds. Walsh, J.R., & Danziger, I.J., p. 1-5
26. Quirrenbach, A., & Eckart, A. (1995). *The potential of the VLT Interferometer for observations of the Galactic Center*. In *VLTI: Programmes Astrophysiques*. Eds. Bouvier J., & Vakili, F., p. 112-118
27. von der Lühse, O., & Quirrenbach, A. (1995). *Calibration of the VLT Interferometer*. In *ESO / ST-ECF workshop on calibrating and understanding HST and ESO instruments*. Ed. Benvenuti, P., p. 173-179
28. Pian, E., Edelson, R., Wagner, S., Bregman, J., George, I., Treves, A., Wamsteker, W., Bock, H., Carini, M., Courvoisier, T., Donahue, M., Efimov, Y., Filippenko, A., Fink, H., Heidt, J., Lawrence, A., Maraschi, L., Miller, H.R., Pike, G., Quirrenbach, A., Shakhovskoy, N., Sillanpää, A., Sitko, M., Smith, P., Takalo, L., Teräsanta, H., Valtaoja, E., Ward, M., & Warwick, R. (1995). *Simultaneous UV, optical and radio monitoring of the BL Lac object OJ 287 in March 1993*. In *Advances of space research, Vol. 16, No. 3*, p. 57-60
29. Quirrenbach, A. (1995). *Interferometrie im 21. Jahrhundert*. In *DARA-Potsdam Workshop über eine deutsche Beteiligung an ESA/NASA-Interferometrie-Missionen*. Eds. Hirte, S., Röser, S., Schilbach, E., & Schalinski, C., DLR Berlin, p. 10-34
30. Quirrenbach, A. (1995). *Kritische technische Aspekte des GAIA-Konzeptes*. In *DARA-Potsdam Workshop über eine deutsche Beteiligung an ESA/NASA-Interferometrie-Missionen*. Eds. Hirte, S., Röser, S., Schilbach, E., & Schalinski, C., DLR Berlin, p. 84-86

31. Quirrenbach, A., Schinnerer, E., Prada, F., Eckart, A., & Risse, M. (1996). *Near-IR imaging of the central regions in NGC 1068 and NGC 7552*. In *Spiral galaxies in the near IR*. Eds. Minniti, D., & Rix, H.-W., p. 331-332.
32. Brandl, B., Sams, B.J., Bertoldi, F., Eckart, A., Genzel, R., Drapatz, S., Hofmann, R., Löwe, M., & Quirrenbach, A. (1996). *Adaptive optics NIR imaging of R136 in 30 Doradus: The stellar population of a nearby starburst*. In *Proc. IAU Symp. 174, Dynamical evolution of star clusters*. Eds. Hut, P., & Makino, J., p. 331-332
33. Brandl, B., Sams, B.J., Bertoldi, F., Eckart, A., Genzel, R., Drapatz, S., Hofmann, R., Loewe, M., & Quirrenbach, A. (1996). *Adaptive optics NIR imaging of R136 in 30 Doradus: The stellar population of a nearby starburst*. In *Topical meeting on adaptive optics*. Ed. Cullum, M., p. 521-526
34. Quirrenbach, A., Hackenberg, W., Wilnhammer, N., Wörle, K., Glindemann, A., Hamilton, D., Hippler, S., & Rohloff, R. (1996). *ALFA – Adaptive Optics with Laser guide star For Astronomy*. In *Workshop on optical / infrared interferometry and adaptive optics in honor of Charles H. Townes*. Berkeley, California
35. Quirrenbach, A. (1996). *Adaptive optics at MPE: astronomical results and future plans*. In *Adaptive optics, 1996 Technical digest series Vol. 13*. Optical Society of America, p. 166-167
36. Quirrenbach, A. (1997). *Infrared interferometry with the VLTI*. In *Infrared space interferometry: Astrophysics and the study of Earth-like planets*. Eds. Eiroa, C., Alberdi, A., Thronson, H., de Graauw, T., & Schalinski, C.J., p. 97-99
37. Quirrenbach, A., & Eckart, A. (1997). *Imaging with a space-based infrared interferometer*. In *Infrared space interferometry: Astrophysics and the study of Earth-like planets*. Eds. Eiroa, C., Alberdi, A., Thronson, H., de Graauw, T., & Schalinski, C.J., p. 101-107
38. Quirrenbach, A. (1997). *Interferometry in practice*. In *Science with the VLT Interferometer*. Ed. Paresce, F., Springer-Verlag, p. 35-47
39. Quirrenbach, A. (1997). *Interferometric observations of Be stars*. In *Science with the VLT Interferometer*. Ed. Paresce, F., Springer-Verlag, p. 163-170
40. Eckart, A., Genzel, R., Hofmann, R., Drapatz, S., Katterloher, R., Quirrenbach, A., & Tacconi-Garman L. (1997). *Observing the Galactic Center with the VLTI*. In *Science with the VLT Interferometer*. Ed. Paresce, F., Springer-Verlag, p. 259-266
41. Quirrenbach, A., & Mariotti, J.-M. (1997). *The VLTI and the universe: conference summary*. In *Science with the VLT Interferometer*. Ed. Paresce, F., Springer-Verlag, p. 339-345

42. Löwe, M., Stecklum, B., von der Lühse, O., & Quirrenbach, A. (1997). *Pupil mask interferometry of M8E-IR*. In *Science with the VLT Interferometer*. Ed. Paresce, F., Springer-Verlag, p. 379-380
43. Quirrenbach, A. (1997). *Operating the VLTI in the thermal infrared*. In *Science with the VLT Interferometer*. Ed. Paresce, F., Springer-Verlag, p. 385-386
44. Quirrenbach, A., Hackenberg, W., Holstenberg, H.-C., & Wltnhammer, N. (1997). *The sodium laser guide star system of ALFA*. In *Adaptive optics and applications*. Eds. Tyson, R.K., & Fugate, R.Q., SPIE Vol. 3126, p. 35-43
45. Quirrenbach, A., & Zinnecker, H. (1997). *Adaptive optics observations of molecular hydrogen towards T Tauri*. In *Adaptive optics and applications*. Eds. Tyson, R.K., & Fugate, R.Q., SPIE Vol. 3126, p. 249-256
46. Eisenhauer, F., Quirrenbach, A., & Zinnecker, H. (1997). *The stellar population of NGC 3603 from adaptive optics observations*. In *Adaptive optics and applications*. Eds. Tyson, R.K., & Fugate, R.Q., SPIE Vol. 3126, p. 488-499
47. Quirrenbach, A. (1997). *Astronomical results from observations with adaptive optics*. In *Laser technology for laser guide star adaptive optics astronomy*. Ed. Hubin, N., European Southern Observatory, p. 6-9
48. Quirrenbach, A., Hackenberg, W., Holstenberg, H.-C., & Wltnhammer, N. (1997). *The ALFA dye laser system*. In *Laser technology for laser guide star adaptive optics astronomy*. Ed. Hubin, N., European Southern Observatory, p. 126-131
49. Thum, C., Martín-Pintado, J., Quirrenbach, A., & Matthews, H.E. (1998). *ISO study of the recombination line maser star MWC 349*. In *Star formation with ISO*. Eds. Yun, J., & Liseau, R., ASP Conference Series Vol. 132, p. 107-112
50. Quirrenbach, A. (1998). *Instrumentation for the VLT Interferometer*. In *Exozodiacal dust workshop*. Eds. Backman, D., Caroff, L.J., Sandford, S.A., & Wooden, D.H., NASA/CP-1998-10155, p. 288
51. Quirrenbach, A., Coudé du Foresto, V., Daigne, G., Hofmann, K.-H., Hofmann, R., Lattanzi, M., Osterbart, R., le Poole, R., Queloz, D., & Vakili, F. (1998). *PRIMA — study for a dual-beam instrument for the VLT Interferometer*. In *Astronomical interferometry*. Ed. Reasenberg, R.D., SPIE Vol. 3350, p. 807-817
52. Davies, R.I., Hackenberg, W., Ott, T., Eckart, A., Holstenberg, H.-C., Rabien, S., Quirrenbach, A., & Kasper, M. (1998). *ALFA: First operational experience of the MPE/MPIA laser guide star system for adaptive optics*. In *Adaptive optical system technologies*. Eds. Bonaccini, D., & Tyson, R.K., SPIE Vol. 3353, p. 116-124

53. Quirrenbach, A. (1999). *What AO can deliver to the astronomer today — and what an astronomer would like to find in the software toolbox*. In *ESO / OSA topical meeting on astronomy with adaptive optics*. Ed. Bonaccini, D., European Southern Observatory conference and workshop proceedings No. 56, p. 361-369

54. Kraus, A., Quirrenbach, A., Lobanov, A.P., Krichbaum, T.P., Schneider, P., Wagner, S.J., Witzel, A., Zensus, J.A., Heidt, J., Bock, H., Aller, M.F., & Aller, H.D. (1999). *Unusual radio variability in the BL Lac object 0235+164*. In *The BL Lac phenomenon*. Eds. Takalo, L.O., & Sillanpää, A., ASP Conference Series Vol. 159, p. 67-68

55. Quirrenbach, A. (2000). *Adaptive optics with laser guide stars: basic concepts and limitations*. In *Laser guide star adaptive optics for astronomy*. Eds. Ageorges, N., & Dainty, C., NATO Advanced Study Institute Series Vol. 551, p. 23-50

56. Quirrenbach, A. (2000). *Astrometry with the VLT Interferometer*. In *From extrasolar planets to cosmology: the VLT opening symposium*. Eds. Bergeron, J., & Renzini, A., Springer-Verlag, p. 462-467

57. Frink, S., Quirrenbach, A., Röser, S., & Schilbach, E. (2000). *Testing Hipparcos K giants as grid stars for SIM*. In *Working on the fringe*. Eds. Unwin, S., & Stachnik, R., ASP Conference Series Vol. 194, p. 128-133

58. Frink, S., Quirrenbach, A., Fischer, D., Röser, S., & Schilbach, E. (2000). *K Giants as astrometric reference stars for the Space Interferometry Mission*. In *Interferometry in optical astronomy*. Eds. Léna, P.J., & Quirrenbach, A., SPIE Vol. 4006, p. 806-814

59. Larkin, J.E., Quirrenbach, A., & Graham, J.R. (2000). *Image slicing with infrared fibers*. In *Imaging the universe in three dimensions*. Eds. van Breugel, W., & Bland-Hawthorn, J., ASP Conference Series Vol. 195, p. 508-517

60. Quirrenbach, A. (2000). *Astrometry, the next step*. In *Bioastronomy '99 - a new era in bioastronomy*. Eds. Lemarchand, G.A., & Meech, K.J., ASP Conference Series Vol. 213, p. 119-126

61. Palacios, J., Wesselius, P.R., Eiroa, C., Mora, A., Montesinos, B., Merín, B., Solano, E., Alberdi, A., Cameron, A., Davies, J.K., Deeg, H.J., Ferlet, R., Garzón, F., Grady, C.A., Harris, A., Horne, K., Miranda, L.F., Oudmaijer, R., Penny, A., Quirrenbach, A., Rauer, H., Schneider, J., Tsapras, Y., & de Winter, D. (2000). *ISO-SWS observations on proto-planetary system candidates*. In *ISO beyond the peaks: The 2nd ISO workshop on analytical spectroscopy*. Eds. Salama, A., Kessler, M.F., Leech, K., & Schulz, B., ESA SP-456, p. 219

62. Eiroa, C., Alberdi, A., Cameron, A., Davies, J.K., Deeg, H.J., Ferlet, R., Garzón, F., Grady, C.A., Harris, A., Horne, K., Merín, B., Miranda, L.F., Montesinos, B., Mora, A., Oudmaijer, R., Palacios, J., Penny, A., Quirrenbach, A., Rauer, H., Schneider, J., Solano, E., Tsapras, Y., Wesselius, P.R., & de Winter, D. (2001). *The 1998 La Palma international time project on exo-planetary systems*. In *Darwin and astronomy – the Infrared Space Interferometer*. ESA SP-451, p. 189-193
63. Eiroa, C., Mora, A., Palacios, J., Alberdi, A., Miranda, L.F., Cameron, A., Horne, K., Tsapras, Y., Davies, J.K., Deeg, H.J., Garzón, F., de Winter, D., Ferlet, R., Grady, C.A., Harris, A., Rauer, H., Merín, B., Montesinos, B., Solano, E., Oudmaijer, R., Penny, A., Quirrenbach, A., Schneider, J., & Wesselius, P.R. (2001). *1998 La Palma International Time Programme: Formation and properties of planetary systems*. In *Disks, planetesimals and planets*. Eds. Garzón, F., Eiroa, C., de Winter, D., & Mahoney, T.J., ASP Conference Series Vol. 219, p. 3-6
64. Quirrenbach, A., Cooke, J., Mitchell, D., Safizadeh, N., Deeg, H., & EXPORT team (2001). *EXPORT: Search for transits in open clusters with the Jakobus Kapteyn and Lick 1 m telescopes*. In *Disks, planetesimals and planets*. Eds. Garzón, F., Eiroa, C., de Winter, D., & Mahoney, T.J., ASP Conference Series Vol. 219, p. 566-571
65. Street, R.A., Horne, K., Penny, A., Tsapras, Y., Quirrenbach, A., Safizadeh, N., Cooke, J., Mitchell, D., & Cameron, A.C. (2001). *A search for planetary transits in open clusters*. In *Disks, planetesimals and planets*. Eds. Garzón, F., Eiroa, C., de Winter, D., & Mahoney, T.J., ASP Conference Series Vol. 219, p. 572-577
66. Quirrenbach, A. (2001). *Interferometry and astrometry*. In *Summer school on space and ground based optical and infrared interferometry*. Eds. Percheron, I., Montilla, I., & D’Arcio, L., Leiden University, p. 53-78
67. Quirrenbach, A. (2001). *Overview of existing instruments around the world*. In *Summer school on space and ground based optical and infrared interferometry*. Eds. Percheron, I., Montilla, I., & D’Arcio, L., Leiden University, p. 79-104
68. Quirrenbach, A., Frink, S., & Thum, C. (2001). *Spectroscopy of the Peculiar Emission Line Star MWC 349*. In *Eta Carinae and other mysterious stars*. Eds. Gull, T., Johansson, S., & Davidson, K., ASP Conference Series Vol. 242, p. 183-186
69. Quirrenbach, A., Mozurkewich, D., Armstrong, T., Buscher, D., & Hummel, C. (2001). *Cool giant stars are bigger at 712 nm than at 754 nm*. In *Proc. IAU Symposium 205, Galaxies and their constituents at the highest angular resolutions*. Eds. Schilizzi, R.T., Vogel, S.N., Paresce, F. & Elvis, M.S., p. 304-305
70. Quirrenbach, A. (2001). *Optical and infrared long-baseline interferometry: application to binary star science*. In *Proc. IAU Symposium 200, The formation of binary stars*. Eds. Zinnecker, H., & Mathieu, R.D., p. 539-546

71. Quirrenbach, A. (2002). *Site testing and site monitoring for extremely large telescopes*. In *Astronomical site evaluation in the visible and radio range*. Eds. Vernin, J., Benkhaldoun, Z., & Muñoz-Tuñón, C., ASP Conference Series Vol. 266, p. 516-522
72. Quirrenbach, A. (2002). *The Space Interferometry Mission (SIM) and Terrestrial Planet Finder (TPF)*. In *From optical to millimetric interferometry: Scientific and technological challenges*. Eds. Surdej, J., Swings, J.P., Caro, D., & Detal, A., Université de Liège, p. 51-67
73. De Vries, W.H., Quirrenbach, A., & van Breugel, W.J. (2002). *Weighing black hole masses with Keck adaptive optics spectroscopy*. In *Discoveries and research prospects from 6-10 m class telescopes II*. Ed. Guhathakurta, P., SPIE Vol. 4834, p. 310-318
74. le Poole, R.S., & Quirrenbach, A. (2002). *Optimized beam-combination schemes for each channel for PRIMA*. In *Interferometry for optical astronomy II*. Ed. Traub, W.A., SPIE Vol. 4838, p. 496-502
75. Larkin, J.E., Quirrenbach, A., Krabbe, A., Aliado, T., Barczys, M., Brims, G., Canfield, J., Gasaway, T.M., LaFreniere, D., Magnone, N., McLean, I.S., Skulason, G., Spencer, M., Sprayberry, D., & Weiss, J. (2002). *OSIRIS, an infrared integral field spectrograph for the Keck adaptive optics system*. In *Instrument design and performance for optical/infrared ground-based telescopes*. Eds. Iye, M., & Moorwood, A.F., SPIE Vol. 4841, p. 1600-1610
76. Quirrenbach, A., Larkin, J.E., Krabbe, A., Barczys, M., & LaFreniere, D. (2002). *Integral-field spectroscopy at the resolution limit of large telescopes: the science program of OSIRIS at Keck*. In *Instrument design and performance for optical/infrared ground-based telescopes*. Eds. Iye, M., & Moorwood, A.F., SPIE Vol. 4841, p. 1493-1502
77. Krabbe, A., Gasaway, T., Weiss, J., Larkin, J.E., Barczys, M., Quirrenbach, A., & LaFreniere, D. (2002). *Data reduction pipeline for OSIRIS, the new NIR diffraction limited imaging field spectrometer for the Keck adaptive optics system*. In *Astronomical data analysis II*. Eds. Starck, J.L., & Murtagh, F.D., SPIE Vol. 4847, p. 448-451
78. Weiss, J.L., Barczys, M., Larkin, J.E., LaFreniere, D., Quirrenbach, A., Gasaway, T.M., & Krabbe, A. (2002). *Software architecture for OSIRIS: an infrared integral-field spectrograph for the Keck adaptive optics system*. In *Advanced telescope and instrumentation control software II*. Ed. Lewis, H., SPIE Vol. 4848, p. 519-530
79. Quirrenbach, A. (2003). *VLTi performance and nulling needs*. In *Genie-Darwin workshop – hunting for planets*. Eds. Bakker, E.J., Fridlund, M., Gondoin, P., & Glin-demann, A., ESA SP-522

80. Quirrenbach, A., Junkkarinen, V., Köhler, R. (2003). *Adaptive optics software on the CfAO web page*. In *Astronomical Data Analysis Software and Systems XII*. Eds. Payne, H.E., Jedrzejewski, R.I., & Hook, R.N., ASP Conference Series Vol. 295, p. 399-402
81. Street, R.A., Horne, K., Collier Cameron, A., Tsapras, Y., Bramich, D., Penny, A., Quirrenbach, A., Safizadeh, N., Mitchell, D., & Cooke, J. (2003). *University of St. Andrews open cluster survey for hot Jupiters*. In *Scientific frontiers in research on extrasolar planets*. Eds. Deming, D., & Seager, S., ASP Conference Series Vol. 294, p. 401-404
82. Feldt, M., Hippler, S., Henning, T., Gratton, R., Turatto, M., Waters, R., & Quirrenbach, A. (2003). *The Planet Finder: proposal for a 2nd generation VLT Instrument*. In *Scientific frontiers in research on extrasolar planets*. Eds. Deming, D., & Seager, S., ASP Conference Series Vol. 294, p. 569-572
83. Quirrenbach, A. (2004). *The promise of optical interferometry*. In *Frontiers of the Universe, proc. XIIIth Rencontres de Blois*. Eds. Celnikier, L., & Trần Thanh Vân, J., p. 345-351
84. Merín, B., Montesinos, B., Alberdi, A., Collier Cameron, A., Davies, J.K., Deeg, H.J., Eiroa, C., Ferlet, R., Garzón, F., Grady, C.A., Harris, A., Horne, K., Miranda, L.F., Mora, A., Oudmaiher, R., Palacios, J., Penny, A., Quirrenbach, A., Rauer, H., Schneider, J., Solano, E., Tsapras, Y., Wesselius, P.R., & de Winter, D. (2004). *Properties of the EXPORT sample: spectral type determination*. In *Proc. IAU Symp. 202, Planetary systems in the Universe – observation, formation and evolution*. Eds. Penny, A., Artymowicz, P., Lagrange, A.M., & Russell, S., p. 87-89
85. Solano, E., Montesinos, B., Mora, A., Alberdi, A., Collier Cameron, A., Davies, J.K., Deeg, H.J., Eiroa, C., Ferlet, R., Garzón, F., Grady, C.A., Harris, A., Horne, K., Merín, B., Miranda, L.F., Oudmaiher, R., Palacios, J., Penny, A., Quirrenbach, A., Rauer, H., Schneider, J., Tsapras, Y., Wesselius, P.R., & de Winter, D. (2004). *Physical parameters for the EXPORT sample: rotational velocities and effective temperatures*. In *Proc. IAU Symp. 202, Planetary systems in the Universe – observation, formation and evolution*. Eds. Penny, A., Artymowicz, P., Lagrange, A.M., & Russell, S., p. 127-129
86. Quirrenbach, A., & Aufdenberg, J. (2004). *Wavelength-dependent diameters of cool giant stars*. In *Modelling of stellar atmospheres, IAU Symposium 210*. Eds. Piskunov, N., Weiss, W.W., & Gray, D.F., E68
87. Quirrenbach, A., Frink, S., & Mitchell, D. (2004). *Masses and orbits of extrasolar planets: preparation of astrometric observing programs*. In *Bioastronomy 2002: life among the stars, IAU Symposium 213*. Eds. Norris, R.P., & Stootman, F.H., p. 65-68

88. Quirrenbach, A. (2004). *Astrometry as a precursor to DARWIN/TPF*. In *Towards other Earths – DARWIN/TPF and the search for extrasolar terrestrial planets*. Eds. Fridlund, M., & Henning, T., ESA SP-539, p. 19-30
89. Quirrenbach, A. (2004). *Some design considerations for an Extremely Large Synthesis Array*. In *Second Bäckaskog workshop on extremely large telescopes*. Eds. Ardeberg, A.L., & Andersen, T., SPIE Vol. 5382, p. 214-223
90. Russell, A.P.G., Hawarden, T.G., Atad, E., Ramsay-Howat, S.K., Quirrenbach, A., Bacon, R., & Redfern, M. (2004). *Instrumentation studies for a European extremely large telescope: a strawman instrument suite, and implications for telescope design*. In *Second Bäckaskog workshop on extremely large telescopes*. Eds. Ardeberg, A.L., & Andersen, T., SPIE Vol. 5382, p. 684-698
91. de Graauw, T., Cernicharo, J., Wild, W., Bos, A., Bregman, J., D’Arcio, L., den Herder, J.W., Gunst, A., Helmich, F., Jackson, B., Maat, P., Martin-Pintado, J., Noordam, J., Quirrenbach, A., Roelfsema, P., Venema, L., Wesselius, P., & Yagoubov, P. (2004). *Exploratory Submm Space Radio-Interferometric Telescope (ESPRIT)*. In *Optical, infrared, and millimeter space telescopes*. Ed. Mather, J.C., SPIE Vol. 5487, p. 1522-1526
92. Stuik, R., Le Louarn, M., & Quirrenbach, A. (2004). *Generalized sky coverage for adaptive optics and interferometry*. In *Advancements in adaptive optics*. Eds. Bonaccini, D., Ellerbroek, B.L., & Ragazzoni, R., SPIE Vol. 5490, p. 331-337
93. Quirrenbach, A. (2004). *Interferometric high-resolution spectroscopy*. In *New frontiers in stellar interferometry*. Ed. Traub, W.A., SPIE Vol. 5491, p. 146-153
94. Quirrenbach, A., Henning, T., Queloz, D., Albrecht, S., Bakker, E., Baumeister, H., Bizenberger, P., Bleuler, H., Dändliker, R., de Jong, J., Fleury, M., Frink, S., Gillet, D., Jaffe, W., Hanenburg, S.H., Hekker, S., Launhardt, R., le Poole, R., Maire, C., Mathar, R., Mullhaupt, P., Murakawa, K., Pepe, F., Pragt, J., Sache, L., Scherler, O., Ségransan, D., Setiawan, J., Sosnowska, D., Tubbs, R., Venema, L., Wagner, K., Weber, L., & Wüthrich, R. (2004). *The PRIMA astrometric planet search project*. In *New frontiers in stellar interferometry*. Ed. Traub, W.A., SPIE Vol. 5491, p. 424-432
95. Joergens, V., & Quirrenbach, A. (2004). *Modeling of closure phase measurements with AMBER/VLTI – towards characterization of exoplanetary atmospheres*. In *New frontiers in stellar interferometry*. Ed. Traub, W.A., SPIE Vol. 5491, p. 551-559
96. Frink, S., Hekker, S., Launhardt, R., Setiawan, J., Ségransan, D., Quirrenbach, A., Henning, T., & Queloz, D. (2004). *Preparing the PRIMA astrometric reference search: selecting suitable target and reference stars*. In *New frontiers in stellar interferometry*. Ed. Traub, W.A., SPIE Vol. 5491, p. 1166-1173

97. Bakker, E.J., Quirrenbach, A., Tubbs, R.N., Ségransan, D., Launhardt, R., Venema, L.B., Dändliker, R., De Jong, J.A., Frink, S., Gillet, D., Hekker, S., Henning, T., Jaffe, W., le Poole, R., Müllhaupt, P., Murakawa, K., Pepe, F., Queloz, D., Sache, L., Setiawan, J., Sosnowska, D., & Wuethrich, R. (2004). *PRIMA astrometry operations and software*. In *New frontiers in stellar interferometry*. Ed. Traub, W.A., SPIE Vol. 5491, p. 1203-1211
98. Quirrenbach, A. (2004). *Design considerations for an Extremely Large Synthesis Array*. In *New frontiers in stellar interferometry*. Ed. Traub, W.A., SPIE Vol. 5491, p. 1563-1573
99. Gisler, D., Schmid, H.M., Thalmann, C., Povel, H.P., Stenflo, J.O., Joos, F., Feldt, M., Lenzen, R., Tinbergen, J., Gratton, R., Stuik, R., Stam, D.M., Brandner, W., Hippler, S., Turatto, M., Neuhäuser, R., Dominik, C., Hatzes, A., Henning, T., Lima, J., Quirrenbach, A., Waters, L.B.F.M., Wuchterl, G., & Zinnecker, H. (2004). *CHEOPS/ZIMPOL: a VLT instrument study for the polarimetric search of scattered light from extrasolar planets*. In *Ground-based instrumentation for astronomy*. Eds. Moorwood, A.F.M., & Iye, M., SPIE Vol. 5492, p. 463-474
100. Gratton, R., Feldt, M., Schmid, H.M., Brandner, W., Hippler, S., Neuhäuser, R., Quirrenbach, A., Desidera, S., Turatto, M., & Stam, D.M. (2004). *The science case of the CHEOPS planet finder for VLT*. In *Ground-based instrumentation for astronomy*. Eds. Moorwood, A.F.M., & Iye, M., SPIE Vol. 5492, p. 1010-1021
101. Bacon, R., Bauer, S.M., Bower, R., Cabrit, S., Cappellari, M., Carollo, M., Combes, F., Davies, R.L., Delabre, B., Dekker, H., Devriendt, J., Djidel, S., Duchateau, M., Dubois, J.P., Emsellem, E., Ferruit, P., Franx, M., Gilmore, G.F., Guiderdoni, B., Henault, F., Hubin, N., Jungwiert, B., Kelz, A., Le Louarn, M., Lewis, I.J., Lizon, J.L., McDermid, R., Morris, S.L., Laux, U., Le Fèvre, O., Lantz, B., Lilly, S., Lynn, J., Pasquini, L., Pecontal, A., Pinet, P., Popovic, D., Quirrenbach, A., Reiss, R., Roth, M.M., Steinmetz, M., Stuik, R., Wisotzki, L., & de Zeeuw, P.T. (2004). *The second-generation VLT instrument MUSE: science drivers and instrument design*. In *Ground-based instrumentation for astronomy*. Eds. Moorwood, A.F.M., & Iye, M., SPIE Vol. 5492, p. 1145-1149
102. Russell, A.P., Monnet, G., Quirrenbach, A., Bacon, R., Redfern, M., Andersen, T., Ardeberg, A., Atad-Ettinger, E., & Hawarden, T.G. (2004). *Instruments for a European Extremely Large Telescope: the challenges of designing instruments for 30- to 100-m telescopes*. In *Ground-based instrumentation for astronomy*. Eds. Moorwood, A.F.M., & Iye, M., SPIE Vol. 5492, p. 1796-1809
103. Köhler, R., Petr-Gotzens, M.G., McCaughrean, M., Bouvier, J., Duchêne, G., & Quirrenbach, A. (2005). *An adaptive optics search for binaries in the Orion Nebula Cluster*. In *Science with adaptive optics*. Eds. Brandner, W., & Kasper, M.E., Springer Verlag, p. 197-203

104. Joergens, V., & Quirrenbach, A. (2005). *Towards characterization of exoplanetary atmospheres with the VLT Interferometer*. In *13th Cambridge workshop on cool stars, stellar systems and the Sun*. Eds. Favata, F., Hussain, G.A.J., & Battrick, B., ESA SP-560, p. 677-681
105. Quirrenbach, A. (2005). *Extremely Large Synthesis Array: science and technology*. In *Science cases for the next generation optical/infrared interferometric facilities (the post VLTI era)*. Eds. Surdej, J., Caro, D., & Detal, A., Université de Liège, p. 43-56
106. Reffert, S., Launhardt, R., Hekker, S., Henning, T., Queloz, D., Quirrenbach, A., Ségransan, D., & Setiawan, J. (2005). *Choosing suitable target, reference and calibration stars for the PRIMA astrometric planet search*. In *Astrometry in the age of the next generation of large telescopes*. Eds. Seidelmann, P.K., & Monet, A.K.B., ASP Conference Series Vol. 338, p. 81-89
107. Launhardt, R., Henning, T., Queloz, D., Quirrenbach, A., Bakker, E.J., Baumeister, H., Bizenberger, P., Bleuler, H., Dändliker, R., Delplancke, F., Derie, F., Fleury, M., Glindemann, A., Gillet, D., Hanenburg, H., Jaffe, W., de Jong, J., Köhler, R., Maire, C., Mathar, R.J., Michellod, Y., Müllhaupt, P., Murakawa, K., Pepe, F., le Poole, R.S., Pragt, J., Reffert, S., Sache, L., Scherler, O., Ségransan, D., Setiawan, J., Sosnowska, D., Tubbs, R., Venema, L., Wagner, K., Weber, L., & Wüthrich, R. (2005). *Towards high-precision ground-based astrometry: differential delay lines for PRIMA@VLTI*. In *Astrometry in the age of the next generation of large telescopes*. Eds. Seidelmann, P.K., & Monet, A.K.B., ASP Conference Series Vol. 338, p. 167-175
108. Quirrenbach, A. (2005). *High-resolution spectroscopy on the milliarcsecond scale*. In *High resolution infrared spectroscopy in astronomy*. Eds. Käufl, H.U., Siebenmorgen, R., & Moorwood, A.F.M., Springer-Verlag, p. 68-73
109. Launhardt, R., Baumeister, H., Bizenberger, P., Henning, T., Setiawan, J., Wagner, K., Jaffe, W., de Jong, J.A., Köhler, R., Mathar, R.J., le Poole, R.S., Quirrenbach, A., Reffert, S., Fleury, M., Maire, C., Mégevand, D., Pepe, F., Queloz, D., Ségransan, D., Sosnowska, D., Weber, L., Bleuler, H., Gillet, D., Michellod, Y., Müllhaupt, P., Sache, L., Wüthrich, R., Dändliker, R., Salvadé, Y., Scherler, O., Hanenburg, H., Murakawa, K., Pragt, J., Venema, L., Ballester, P., Delplancke, F., Derie, F., Glindemann, A., & Tubbs, R.N. (2005). *The PRIMA astrometric planet search project*. In *Protostars and planets V*. LPI Contribution No. 1286, p. 8023
110. Köhler, R., Quirrenbach, A., Petr-Gotzens, M.G., McCaughrean, M.J., Bouvier, J., Duchêne, G., & Zinnecker, H. (2005). *Binaries in the Orion Nebula Cluster*. In *Protostars and planets V*. LPI Contribution No. 1286, p. 8348-8349

111. Turon, C., Done, C., Quirrenbach, A., Schneider, P., Aerts, C., Bazzano, A., Cernicharo, J., de Bernardis, P., Goobar, A., Henning, T., Ivison, R.J., Kneib, J.P., Meurs, E., van der Klis, M., Viana, P., Volonté, S., & Zeilinger, W.W. (2005). *Trends in space astronomy and Cosmic Vision 2015-2025*. In *Trends in space science and Cosmic Vision 2020*. Eds. Bingham, C., Favata, F., Sanz-Forcada, J., & Elfering, G., ESA SP-588, p. 53-58
112. Quirrenbach, A. (2005). *Other worlds and life in the Universe*. In *Trends in space science and Cosmic Vision 2020*. Eds. Bingham, C., Favata, F., Sanz-Forcada, J., & Elfering, G., ESA SP-588, p. 59-68
113. Quirrenbach, A., & Albrecht, S. (2005). *Polarization in optical/infrared interferometry*. In *Astronomical polarimetry: current status and future directions*. Eds. Adamson, A., Aspin, C., & Davis, J.C., ASP Conference Series Vol. 343, p. 28-32
114. Schmid, H.M., Gisler, D., Joos, F., Povel, H.P., Stenflo, J.O., Feldt, M., Lenzen, R., Brandner, W., Tinbergen, J., Quirrenbach, A., Stuik, R., Gratton, R., Turatto, M., & Neuhäuser, R. (2005). *ZIMPOL/CHEOPS: a polarimetric imager for the direct detection of extra-solar planets*. In *Astronomical polarimetry: current status and future directions*. Eds. Adamson, A., Aspin, C., & Davis, J.C., ASP Conference Series Vol. 343, p. 89-91
115. Joos, F., Schmid, H.M., Gisler, D., Feldt, M., Brandner, W., Stam, D.M., Quirrenbach, A., & Stuik, R. (2005). *Spectropolarimetry of CH₄ bands of solar system planets*. In *Astronomical polarimetry: current status and future directions*. Eds. Adamson, A., Aspin, C., & Davis, J.C., ASP Conference Series Vol. 343, p. 189-191
116. Hekker, S., Reffert, S., & Quirrenbach, A. (2006). *Radial velocity variations in K giants: planets or pulsations?* In *Distant worlds – proceedings of the asteroseismology session*. Eds. Noels, A., & Aerts, C., p. 121-124
117. Quirrenbach, A. (2006). *Planet detection with large telescopes and interferometry*. In *The many scales of the Universe. JENAM 2004 astrophysics reviews*. Eds. del Toro Intesta, J.C., Alfaro, E.J., Gorgas, J.G., Salvador-Solé, E., & Butcher, H., Springer-Verlag, p. 235-251
118. Schmid, H.M., Beuzit, J.L., Feldt, M., Gisler, D., Gratton, R., Henning, T., Joos, F., Kasper, M., Lenzen, R., Mouillet, D., Moutou, C., Quirrenbach, A., Stam, D.M., Thalmann, C., Tinbergen, J., Verinaud, C., Waters, R., & Wolstencroft, R. (2006). *Search and investigation of extra-solar planets with polarimetry*. In *Direct imaging of exoplanets: science & techniques, Proc. IAU Coll. 200*. Eds. Aime, C., & Vakili, F., Cambridge University Press, p. 165-170

119. Quirrenbach, A. (2006). *Direct detection of exoplanets — science and techniques*. In *The scientific requirements for extremely large telescopes, Proc. IAU Symp. 232*. Eds. Whitelock, P.A., Dennefeld, M., & Leibundgut, B., Cambridge University Press, p. 109-118
120. Quirrenbach, A. (2006). *Interferometric arrays with a wide field-of-view*. In *Technology roadmap for future interferometric facilities*. Eds. Surdej, J., Caro, D., & Detal, A., Université de Liège, p. 65-69
121. Quirrenbach, A. (2006). *Technology for future interferometric facilities: conclusions and perspectives*. In *Technology roadmap for future interferometric facilities*. Eds. Surdej, J., Caro, D., & Detal, A., Université de Liège, p. 175-183
122. Quirrenbach, A. (2006). *Prospects for an extremely large synthesis array*. In *Visions for infrared astronomy*. Eds. Coudé du Foresto, V., Rouan, D., & Rousset, G., Instrumentation Mesure Métrologie **6**, p. 285-291
123. Wild, W., de Graauw, T., Helmich, F., Cernicharo, J., Gunst, A., Bos, A., den Herder, J.W., Jackson, B., Langevelde, H.J., Maat, P., Martin-Pintado, J., Noordam, J., Quirrenbach, A., Roelfsema, P., Venema, L., Wesselius, P., & Yagoubov, P. (2006). *ESPRIT: a space interferometer concept for the far-infrared*. In *Space telescopes and instrumentation I: optical, infrared, and millimeter*. Eds. Mather, J.C., MacEwen, H.A., & de Graauw, M.W.M., SPIE Vol. 6265, 62651Z, p. 1-12
124. Albrecht, S., Quirrenbach, A., & Tubbs, R.N. (2006). *10-micron interferometry of the disk and wind of the massive young star MWC 349 A*. In *Advances in stellar interferometry*. Eds. Monnier, J.D., Schöller, M., & Danchi, W.C., SPIE Vol. 6268, 6268E1, p. 1-10
125. Reffert, S., Ségransan, D., Launhardt, R., Henning, T., Queloz, D., Quirrenbach, A., Pepe, F., Setiawan, J., & Weise, P. (2006). *The PRIMA astrometric planet search: goals and prospects*. In *Advances in stellar interferometry*. Eds. Monnier, J.D., Schöller, M., & Danchi, W.C., SPIE Vol. 6268, 626846, p. 1-8
126. Bacon, R., Bauer, S., Boehm, P., Boudon, D., Brau-Nogué, S., Caillier, P., Capoani, L., Carollo, C.M., Champavert, N., Contini, T., Daguisé, E., Dallé, D., Delabre, B., Devriendt, J., Dreizler, S., Dubois, J., Dupieux, M., Dupin, J.P., Emsellem, E., Ferruit, P., Franx, M., Gallou, G., Gerssen, J., Guiderdoni, B., Hahn, T., Hofmann, D., Jarno, A., Kelz, A., Koehler, C., Kollatschny, W., Kosmalski, J., Laurent, F., Lilly, S.J., Lizon, J., Loupiau, M., Lynn, S., Manescau, A., McDermid, R.M., Monstein, C., Nicklas, H., Parès, L., Pasquini, L., Pécontal-Rousset, A., Pécontal, E., Pello, R., Petit, C., Picat, J.P., Popow, E., Quirrenbach, A., Reiss, R., Renault, E., Roth, M., Schaye, J., Soucail, G., Steinmetz, M., Stroebele, S., Stuik, R., Weilbacher, P., Wozniak, H., & de Zeeuw, P.T. (2006). *Probing unexplored territories with MUSE: a second generation instrument for the VLT*. In *Ground-based and airborne instrumentation for astronomy*. Eds. McLean, I.S., & Iye, M., SPIE Vol. 6269, 62690J, p. 1-9

127. Larkin, J., Barczys, M., Krabbe, A., Adkins, S., Aliado, T., Amico, P., Brims, G., Campbell, R., Canfield, J., Gasaway, T., Honey, A., Iserlohe, C., Johnson, C., Kress, E., LaFreniere, D., Lyke, J., Magnone, K., Magnone, N., McElwain, M., Moon, J., Quirrenbach, A., Skulason, G., Song, I., Spencer, M., Weiss, J., & Wright, S. (2006). *OSIRIS: a diffraction limited integral field spectrograph for Keck*. In *Ground-based and airborne instrumentation for astronomy*. Eds. McLean, I.S., & Iye, M., SPIE Vol. 6269, 62691A, p. 1-5

128. Cunningham, C., Atad-Ettadgui, E., Bacon, R., Brandl, B., Cuby, J.G., Dalton, G., Dent, W., D'Odorico, S., Egan, I., Evans, C., Hammer, F., Hubin, N., Jagourel, P., Kasper, M., Kerber, F., Lenzen, R., Montilla, I., Moretto, G., Morris, S., Pasquini, L., Prieto, E., Quirrenbach, A., Redfern, M., Ryan, O., Strachan, M., & Verinaud, C. (2006). *ELT instrument concepts: impact on telescope and adaptive optics design*. In *Ground-based and airborne instrumentation for astronomy*. Eds. McLean, I.S., & Iye, M., SPIE Vol. 6269, 62691R, p. 1-13

129. Mandel, H.G., Appenzeller, I., Seifert, W., Baumeister, H., Dettmar, R.J., Feiz, C., Gemperlein, H., Germeroth, A., Grimm, B., Heidt, J., Herbst, T., Hofmann, R., Jütte, M., Knierim, V., Laun, W., Luks, T., Lehmitz, M., Lenzen, R., Polsterer, K., Quirrenbach, A., Rohloff, R.R., Rosenberger, J., Weiser, P., & Weisz, H. (2006). *LU-CIFER status report: summer 2006*. In *Ground-based and airborne instrumentation for astronomy*. Eds. McLean, I.S., & Iye, M., SPIE Vol. 6269, 62693F, p. 1-11

130. Krabbe, A., Larkin, J.E., Iserlohe, C., Barczys, M., Quirrenbach, A., McElwain, M., Weiss, J., & Wright, S.A. (2006). *First results with OSIRIS: NIR-imaging spectroscopy at the diffraction limit*. In *Ground-based and airborne instrumentation for astronomy*. Eds. McLean, I.S., & Iye, M., SPIE Vol. 6269, 62694Q, p. 1-8

131. Stuik, R., Arsenault, R., Delabre, B., Esposito, S., Hallibert, P., Hubin, N., Quirrenbach, A., Riccardi, A., Stroebele, S., & Vink, R. (2006). *ASSIST: the adaptive secondary setup and instrument stimulator*. In *Advances in adaptive optics II*. Eds. Ellerbroek, B.L., & Bonaccini Calia, D., SPIE Vol. 6272, 62720Z, p. 1-8

132. Stuik, R., Brandl, B., Hallibert, P., Quirrenbach, A., Vink, R., Buurman, R., van Hal, G., McHugh, R., & Roduner, F. (2006). *HORATIO: the Leiden high-order adaptive optics testbed*. In *Advances in adaptive optics II*. Eds. Ellerbroek, B.L., & Bonaccini Calia, D., SPIE Vol. 6272, 62724W, p. 1-5

133. Hallibert, P., Arsenault, R., Delabre, B., Esposito, S., Hubin, N., Quirrenbach, A., Riccardi, A., Stroebele, S., Stuik, R., & Vink, R. (2006). *Optical design for the adaptive secondary setup and instrument stimulator (ASSIST)*. In *Current developments in lens design and optical engineering VII*. Eds. Mouroulis, P.Z., Smith, W.J., & Johnson, R.B., SPIE Vol. 6288, 62880C, p. 1-15

134. Quirrenbach, A., Albrecht, S., & Tubbs, R.N. (2006). *VLT-MIDI observations of MWC 349 A*. In *Stars with the B[e] phenomenon*. Eds. Kraus, M., & Miroshnichenko, A.S., ASP Conference Series Vol. 355, p. 239-245
135. Krabbe, A., Iserlohe, C., Larkin, J.E., Barczys, M., McElwain, M., Weiss, J., Wright, S.A., & Quirrenbach, A. (2006). *Diffraction limited imaging spectroscopy of a Sgr A* flare with OSIRIS*. Journal of Physics: Conf. Ser. **54**, 406-410
136. Quirrenbach, A. (2007). *Prospects for an extremely large synthesis array*. In *Exploring the cosmic frontier: Astrophysical instruments for the 21st century*. Eds. Lobanov, A.P., Zensus, J.A., Cesarsky, C., & Diamond, P.J., Springer Verlag, p. 61-62
137. Launhardt, R., Henning, T., Queloz, D., & Quirrenbach, A. (2007). *Towards high-precision astrometry: differential delay lines for PRIMA@VLT*. In *Exploring the cosmic frontier: Astrophysical instruments for the 21st century*. Eds. Lobanov, A.P., Zensus, J.A., Cesarsky, C., & Diamond, P.J., Springer Verlag, p. 265-266
138. Beichman, C.A., Fridlund, M., Traub, W.A., Stapelfeldt, K.R., Quirrenbach, A., & Seager, S. (2007). *Comparative planetology and the search for life beyond the Solar System*. In *Protostars and planets V*. Eds. Reipurth, B., Jewitt, D., & Keil, K., University of Arizona Press, p. 915-928
139. Köhler, R., Petr-Gotzens, M.G., McCaughrean, M.J., Bouvier, J., Duchêne, G., Quirrenbach, A., & Zinnecker, H. (2007). *Binary stars in the Orion Nebula Cluster*. In *Binary stars as critical tools & tests in contemporary astrophysics, Proc. IAU Symp. 240*. Eds. Hartkopf, W.I., Guinan, E.F., & Harmanec, P., Cambridge University Press, p. 114-116
140. Surdej, J., Chelli, A., Garcia, P., Henning, T., & Quirrenbach, A. (2007). *The European Interferometry Initiative (EII) within OPTICON*. In *Large astronomical infrastructures at CONCORDIA, prospects and constraints for Antarctic optical/IR astronomy*. Eds. Epchtein, N., & Candidi, M., EAS Publications Series, **25**, p. 301-308
141. Albrecht, S., Reffert, S., Quirrenbach, A., Mitchell, D.S., & Snellen, I. (2007). *The Rossiter-McLaughlin effect in the eclipsing binary system V1143 Cyg – first results*. In *Solar and stellar physics through eclipses*. Eds. Demircan, O., Selam, S.O., & Albayrak B., ASP Conference Series Vol. 370, p. 218
142. Quirrenbach, A. (2007). *AGN research with future interferometric arrays*. In *The central engine of active galactic nuclei*. Eds. Ho, L.C., & Wang, J.M., ASP Conference Series Vol. 373, p. 697-706
143. Quirrenbach, A. (2007). *OSIRIS – a new integral-field spectrograph at Keck Observatory*. In *Science perspectives for 3D spectroscopy*. Eds. Kissler-Patig, M., Walsh, J.R., & Roth, M.M., p. 41-43

144. Woitke, P., & Quirrenbach, A. (2007). *The chaotic winds of AGB stars: observation meets theory*. In *The power of optical/IR interferometry: recent scientific results and 2nd generation instrumentation*. Eds. Richichi, A., Delplancke, F., Paresce, F., & Chelli, A., p. 181-185

145. Quirrenbach, A. (2007). *Beyond the VLTI*. In *The power of optical/IR interferometry: recent scientific results and 2nd generation instrumentation*. Eds. Richichi, A., Delplancke, F., Paresce, F., & Chelli, A., p. 319-324

146. Quirrenbach, A., Albrecht, S., Vink, R., von der Lühe, O., Hron, J., & Wiedemann, G. (2007). *UVES-I: interferometric high-resolution spectroscopy*. In *The power of optical/IR interferometry: recent scientific results and 2nd generation instrumentation*. Eds. Richichi, A., Delplancke, F., Paresce, F., & Chelli, A., p. 383-394

147. Gondoin, P., den Hartog, R., Fridlund, M., Fabry, P., Stankov, A., Peacock, A., Volonte, S., Puech, F., Delplancke, F., Gitton, P., Glindemann, A., Paresce, F., Richichi, A., Barillot, M., Absil, O., Cassaing, F., Coudé du Foresto, V., Kervella, P., Perrin, G., Ruilier, C., Flatscher, R., Bokhove, H., Ergenzinger, K., Quirrenbach, A., Wallner, O., Alves, J., Herbst, T., Mourard, D., Neuhäuser, R., Ségransan, D., Waters, R., & White, G.J. (2007). *GENIE: a Ground-based European Nulling Instrument at ESO Very Large Telescope Interferometer*. In *The power of optical/IR interferometry: recent scientific results and 2nd generation instrumentation*. Eds. Richichi, A., Delplancke, F., Paresce, F., & Chelli, A., p. 445-456

148. Launhardt, R., Bakker, E.J., Ballester, P., Baumeister, H., Bizenberger, P., Bleuler, H., Dändliker, R., Delplancke, F., Derie, F., Fleury, M., Glindemann, A., Gillet, D., Hanenburg, H., Henning, T., Jaffe, W., de Jong, J.A., Köhler, R., Maire, C., Mathar, R.J., Mégevand, D., Michellod, Y., Müllhaupt, P., Murakawa, K., Pepe, F., le Poole, R.S., Pragt, J., Queloz, D., Quirrenbach, A., Reffert, S., Sache, L., Salvadé, Y., Scherler, O., Ségransan, D., Setiawan, J., Sosnowska, D., Tubbs, R.N., Venema, L., Wagner, K., Weber, L., & Wüthrich, R. (2007). *The PRIMA astrometric planet search project*. In *The power of optical/IR interferometry: recent scientific results and 2nd generation instrumentation*. Eds. Richichi, A., Delplancke, F., Paresce, F., & Chelli, A., p. 551-553

149. Quirrenbach, A., & Albrecht, S. (2007). *Interferometric spectroscopy*. In *Precision spectroscopy in astrophysics*. Eds. Santos, N.C., Pasquini, L., Correia, A.C.M., & Romaniello, M., p. 235-238

150. de Jong, J.A., Delplancke, F., Palsa, R., Ballester, P., Quirrenbach, A., Elias, N., Reffert, S., Köhler, R., Launhardt, R., Tubbs, R., Stilz, I., Henning, T., Mégevand, D., Ségransan, D., Pepe, F., & Queloz, D. (2007). *The PRIMA astrometric data reduction software*. In *Astronomical data analysis software and systems XVI*. Eds. Shaw, R.A., Hill, F., & Bell, D.J., p. 289

151. Boden, A., & Quirrenbach, A. (2008). *Astrometry with ground-based interferometers*. In *A giant step: from milli- to micro-arcsecond astrometry, Proc. IAU Symp. 248*. Eds. Jin, W.J., Platais I, & Perryman, M.A.C., Cambridge University Press, p. 36-43
152. Tubbs, R., Elias, N.M., Launhardt, R., Reffert, S., Delplancke, F., Quirrenbach, A., Henning, T., & Queloz, D. (2008). *ESPRI data-reduction strategy and error budget for PRIMA*. In *A giant step: from milli- to micro-arcsecond astrometry, Proc. IAU Symp. 248*. Eds. Jin, W.J., Platais I, & Perryman, M.A.C., Cambridge University Press, p. 132-133
153. Launhardt, R., Henning, T., Queloz, D., Quirrenbach, A., Delplancke, F., Elias, N.M., Pepe, F., Reffert, S., Ségransan, D., Setiawan, J., Tubbs, R., & ESPRI Consortium (2008). *The ESPRI project: narrow-angle astrometry with VLTI-PRIMA*. In *A giant step: from milli- to micro-arcsecond astrometry, Proc. IAU Symp. 248*. Eds. Jin, W.J., Platais I, & Perryman, M.A.C., Cambridge University Press, p. 417-420
154. Geisler, R., Setiawan, J., Henning, T., Queloz, D., Quirrenbach, A., Launhardt, R., Müller, A., Reffert, S., & Weise, P. (2008). *Preparing the exoplanet search with PRIMA: searching for reference stars and target characterization*. In *Exoplanets: detection, formation and dynamics, Proc. IAU Symp. 249*. Eds. Sun, Y.S., Ferraz-Mello, S., & Zhou, J.L., Cambridge University Press, p. 61-63
155. Elias, N.M., Tubbs, R.N., Köhler, R., Reffert, S., Stilz, I., Launhardt, R., de Jong, J., Quirrenbach, A., Delplancke, F., Henning, T., & Queloz, D. (2008). *The astrometric data reduction software (ADRS) and error budget for PRIMA*. In *Exoplanets: detection, formation and dynamics, Proc. IAU Symp. 249*. Eds. Sun, Y.S., Ferraz-Mello, S., & Zhou, J.L., Cambridge University Press, p. 119-122
156. Pepe, F., Queloz, D., Henning, T., Quirrenbach, A., Delplancke, F., Andolfato, L., Baumeister, H., Bizenberger, P., Bleuler, H., Chazelas, B., Dérie, F., Di Lieto, L., Duc, T.P., Duvanel, O., Fleury, M., Gillet, D., Graser, U., Koch, F., Launhardt, R., Maire, C., Mégevand, D., Michellod, Y., Moresmau, J.M., Müllhaupt, P., Naranjo, V., Sache, L., Salvadé, Y., Simond, G., Sosnowska, D., Wagner, K., & Zago, L. (2008). *The ESPRI project: differential delay lines for PRIMA*. In *Optical and infrared interferometry*. Eds. Schöller, M., Danchi, W.C., & Delplancke, F., SPIE Vol. 7013, 70130P, p. 1-12
157. Launhardt, R., Queloz, D., Henning, T., Quirrenbach, A., Delplancke, F., Andolfato, L., Baumeister, H., Bizenberger, P., Bleuler, H., Chazelas, B., Dérie, F., Di Lieto, L., Duc, T.P., Duvanel, O., Elias, N.M., Fleury, M., Geisler, R., Gillet, D., Graser, U., Koch, F., Köhler, R., Maire, C., Mégevand, D., Michellod, Y., Moresmau, J.M., Müller, A., Müllhaupt, P., Naranjo, V., Pepe, F., Reffert, S., Sache, L., Ségransan, D., Salvadé, Y., Schulze-Hartung, T., Setiawan, J., Simond, G., Sosnowska, D., Stilz, I., Tubbs, B., Wagner, K., Weber, L., Weise, P., & Zago, L. (2008). *The ESPRI project: astrometric exoplanet search with PRIMA*. In *Optical and infrared interferometry*. Eds. Schöller, M., Danchi, W.C., & Delplancke, F., SPIE Vol. 7013, 70132I, p. 1-10

158. Elias, N.M., Köhler, R., Stilz, I., Reffert, S., Geisler, R., Quirrenbach, A., de Jong, J., Delplancke, F., Tubbs, R.N., Launhardt, R., Henning, T., Mégevand, D., & Queloz, D. (2008). *The astrometric data-reduction software for exoplanet detection with PRIMA*. In *Optical and infrared interferometry*. Eds. Schöller, M., Danchi, W.C., & Delplancke, F., SPIE Vol. 7013, 70133V, p. 1-9
159. Geisler, R., Elias, N.M., Quirrenbach, A., Köhler, R., Tubbs, R.N., Henning, T., & Queloz, D. (2008). *Simulations of imperfect PRIMA fringe sensing units and calibration strategies*. In *Optical and infrared interferometry*. Eds. Schöller, M., Danchi, W.C., & Delplancke, F., SPIE Vol. 7013, 701344, p. 1-10
160. Mandel, H., Seifert, W., Hofmann, R., Jütte, M., Lenzen, R., Ageorges, N., Bommans, D., Buschkamp, P., Dettmar, R.J., Feiz, C., Gemperlein, H., Germeroth, A., Geuer, L., Heidt, J., Knierim, V., Laun, W., Lehmitz, M., Mall, U., Müller, P., Naranjo, V., Polsterer, K., Quirrenbach, A., Schäffner, L., Schwind, F., Weiser, P., & Weisz, H. (2008). *LUCIFER status report: summer 2008*. In *Ground-based and airborne instrumentation for astronomy II*. Eds. McLean, I.S., & Casali, M.M., SPIE Vol. 7014, 70143S, p. 1-9
161. Steiner, I., Stahl, O., Seifert, W., Chini, R., & Quirrenbach, A. (2008). *BESO: first light at the high-resolution spectrograph for the Hexapod-Telescope*. In *Ground-based and airborne instrumentation for astronomy II*. Eds. McLean, I.S., & Casali, M.M., SPIE Vol. 7014, 70144H, p. 1-6
162. Bizenberger, P., Baumeister, H., Graser, U., Henning, T., Krause, N., Launhardt, R., Naranjo, V., Queloz, D., & Quirrenbach, A. (2008). *Verification and acceptance tests of the PRIMA DDL optics*. In *Ground-based and airborne instrumentation for astronomy II*. Eds. McLean, I.S., & Casali, M.M., SPIE Vol. 7014, 70144P, p. 1-12
163. Rabien, S., Ageorges, N., Angel, R., Brusa, G., Brynnel, J., Busoni, L., Davies, R., Deysenroth, M., Esposito, S., Gässler, W., Genzel, R., Green, R., Haug, M., Lloyd Hart, M., Hölzl, G., Masciadri, E., Pogge, R., Quirrenbach, A., Rademacher, M., Rix, H.W., Salinari, P., Schwab, C., Stalcup, T., Storm, J., Strüder, L., Thiel, M., Weigelt, G., & Ziegler, J. (2008). *The laser guide star program for the LBT*. In *Adaptive optics systems*. Eds. Hubin, N., Max, C.E., & Wizinowich, P.L., SPIE Vol. 7015, 701515, p. 1-12
164. Hekker, S., Snellen, I.A.G., Aerts, C., Quirrenbach, A., Reffert, S., & Mitchell, D.S. (2008). *Radial velocities of giant stars: an investigation of line profile variations*. *Journal of Physics: Conf. Ser.* Vol. 118, 012058, p. 1-7
165. Quirrenbach, A. (2009). *Characterizing other earths: why and how*. In *Bioastronomy 2007: molecules, microbes, and extraterrestrial life*. Eds. Meech, K.J., Keane, J.V., Mumma, M.J., Siefert, J.L., & Werthimer, D.J., ASP Conference Series Vol. 420, p. 361-365

166. Schwab, C., Gässler, W., Peter, D., Blümchen, T., Aigner, S., & Quirrenbach, A. (2010). *Design of an holographic off-axis calibration light source for ARGOS at the LBT*. In *Adaptive Optics for Extremely Large Telescopes*. Eds. Clénet, Y., Conan, J.M., Fusco, T., & Rousset, G., EDP Sciences, 04007, p. 1-5
167. Quirrenbach, A. (2010). *Optical interferometry from the Earth*. In *Relativity in fundamental astronomy: dynamics, reference frames, and data analysis, Proc. IAU Symp. 261*. Eds. Klioner, S.A., Seidelmann, P.K., & Soffel, M.H., Cambridge University Press, p. 277-285
168. Quirrenbach, A., & Albrecht, S. (2010). *Observations of the B[e] Star MWC 349 with mid-infrared interferometry*. In *The Interferometric View on Hot Stars*. Eds. Rivinius, T., & Curé, M., Rev. Mex. Astron. Astrofis. Vol. 38, p. 74-76
169. Meisner, J.A., Jaffe, W.J., le Poole, R.S., Pereira, S.F., Quirrenbach, A., Raban, D., & Vosteen, A. (2010). *The polarization-based collimated beam combiner and the proposed NOVA fringe tracker (NFT) for the VLTI*. In *Optical and infrared interferometry II*. Eds. Danchi, W.C., Delplancke, F., & Rajagopal, J.K., SPIE Vol. 7734, 773423, p. 1-26
170. Koehler, R., Stilz, I., Quirrenbach, A., Kaminski, A., Schulze-Hartung, T., Launhardt, R., Elias, N.M., Henning, T., & Queloz, D. (2010). *The data-reduction software for micro-arcsecond astrometry with PRIMA at the VLTI*. In *Optical and infrared interferometry II*. Eds. Danchi, W.C., Delplancke, F., & Rajagopal, J.K., SPIE Vol. 7734, 77344B, p. 1-7
171. Quirrenbach, A., Amado, P.J., Mandel, H., Caballero, J.A., Mundt, R., Ribas, I., Reiners, A., Abril, M., Aceituno, J., Afonso, C., Barrado Y Navascues, D., Bean, J.L., Béjar, V.J.S., Becerril, S., Böhm, A., Cárdenas, M.C., Claret, A., Colomé, J., Costillo, L.P., Dreizler, S., Fernández, M., Francisco, X., Galadí, D., Garrido, R., González Hernández, J.I., Guàrdia, J., Guenther, E.W., Gutiérrez-Soto, F., Joergens, V., Hatzes, A.P., Helmling, J., Henning, T., Herrero, E., Kürster, M., Laun, W., Lenzen, R., Mall, U., Martin, E.L., Martín-Ruiz, S., Mirabet, E., Montes, D., Morales, J.C., Morales Muñoz, R., Moya, A., Naranjo, V., Rabaza, O., Ramón, A., Rebolo, R., Reffert, S., Rodler, F., Rodríguez, E., Rodríguez Trinidad, A., Rohloff, R.R., Sánchez Carrasco, M.A., Schmidt, C., Seifert, W., Setiawan, J., Solano, E., Stahl, O., Storz, C., Suárez, J.C., Thiele, U., Wagner, K., Wiedemann, G., Zapatero Osorio, M.R., Del Burgo, C., Sánchez-Blanco, E., & Xu, W. (2010). *CARMENES: Calar Alto high-Resolution search for M dwarfs with Exo-earts with Near-infrared and optical Echelle Spectrographs*. In *Ground-based and airborne instrumentation for astronomy III*. Eds. McLean, I.S., Ramsay, S.K., & Takami, H., SPIE Vol. 7735, 773513, p. 1-14

172. Ageorges, N., Seifert, W., Jütte, M., Knierim, V., Lehmitz, M., Germeroth, A., Buschkamp, P., Polsterer, K., Pasquali, A., Naranjo, V., Gemperlein, H., Hill, J., Feiz, C., Hofmann, R., Laun, W., Lederer, R., Lenzen, R., Mall, U., Mandel, H., Müller, P., Quirrenbach, A., Schäffner, L., Storz, C., & Weiser, P. (2010). *LUCIFER1 commissioning at the LBT*. In *Ground-based and airborne instrumentation for astronomy III*. Eds. McLean, I.S., Ramsay, S.K., & Takami, H., SPIE Vol. 7735, 77351L, p. 1-12
173. Seifert, W., Ageorges, N., Lehmitz, M., Buschkamp, P., Knierim, V., Polsterer, K., Germeroth, A., Pasquali, A., Naranjo, V., Jütte, M., Feiz, C., Gemperlein, H., Hofmann, R., Laun, W., Lederer, R., Lenzen, R., Mall, U., Mandel, H., Müller, P., Quirrenbach, A., Schäffner, L., Storz, C., & Weiser, P. (2010). *LUCIFER1: performance results*. In *Ground-based and airborne instrumentation for astronomy III*. Eds. McLean, I.S., Ramsay, S.K., & Takami, H., SPIE Vol. 7735, 77357W, p. 1-9
174. Rabien, S., Ageorges, N., Barl, L., Beckmann, U., Blümchen, T., Bonaglia, M., Borelli, J.L., Brynnel, J., Busoni, L., Carbonaro, L., Davies, R., Deysenroth, M., Durney, O., Elberich, M., Esposito, S., Gasho, V., Gässler, W., Gemperlein, H., Genzel, R., Green, R., Haug, M., Hart, M.L., Hubbard, P., Kanneganti, S., Masciadri, E., Noenickx, J., Orban de Xivry, G., Peter, D., Quirrenbach, A., Rademacher, M., Rix, H.W., Salinari, P., Schwab, C., Storm, J., Strüder, L., Thiel, M., Weigelt, G., & Ziegleder, J. (2010). *ARGOS: the laser guide star system for the LBT*. In *Adaptive optics systems II*. Eds. Ellerbroek, B.L., Hart, M., Hubin, N., & Wizinowich, P.L., SPIE Vol. 7736, 77360E, p. 1-12
175. Malbet, F., Sozzetti, A., Lazorenko, P., Launhardt, R., Ségransan, D., Delplancke, F., Elias, N., Muterspaugh, M.W., Quirrenbach, A., Reffert, S., & van Belle, G. (2010). *Review from the Blue Dots astrometry working group*. In *Pathways towards habitable planets*. Eds. Coudé du Foresto, V., Gelino, D.M., & Ribas, I., ASP Conference Series Vol. 430, p. 84-92
176. Quirrenbach, A., Amado, P.J., Mandel, H., Caballero, J.A., Ribas, I., Reiners, A., Mundt, R., & CARMENES Consortium (2010). *CARMENES: Calar Alto high-Resolution search for M dwarfs with Exo-earths with a Near-Infrared Echelle Spectrograph*. In *Pathways towards habitable planets*. Eds. Coudé du Foresto, V., Gelino, D.M., & Ribas, I., ASP Conference Series Vol. 430, p. 521-523
177. Quirrenbach, A., Reffert, S., & Bergmann, C. (2011). *Planets around giant stars*. In *Planetary systems beyond the main sequence*. Eds. Schuh, S., Drechsel, H., & Heber, U., AIP Conference Proceedings Vol. 1331, p. 102-109
178. Quirrenbach, A., Geisler, R., Henning, T., Launhardt, R., Elias, N., Pepe, F., Queloz, D., Reffert, S., Ségransan, D., & Setiawan, J. (2011). *ESPRI: Astrometric planet search with PRIMA at the VLTI*. In *Research, science and technology of brown dwarfs and exoplanets*. Eds. Martin, E.L., Ge, J., & Lin, W., EDP Sciences Web of Conferences Vol. 16, 07005, p. 1-6

179. Quirrenbach, A., Amado, P.J., Caballero, J.A., Mandel, H., Mundt, R., Reiners, A., Ribas, I., Sánchez Carrasco, M.A., Seifert, W., & CARMENES Consortium (2011). *CARMENES: Calar Alto high-Resolution search for M dwarfs with Exo-earths with Near-infrared and optical Echelle Spectrographs*. In *The astrophysics of planetary systems: formation, structure, and dynamical evolution, Proc. IAU Symp. 276*. Eds. Sozzetti, A., Lattanzi, M.G., & Boss, A.P., Cambridge University Press, p. 545-546
180. Hart, M., Rabien, S., Busoni, L., Barl, L., Beckmann, U., Bonaglia, M., Boose, Y., Borelli, J.L., Bluemchen, T., Carbonaro, L., Connot, C., Deysenroth, M., Davies, R., Durney, O., Elberich, M., Ertl, T., Esposito, S., Gaessler, W., Gasho, V., Gemperlein, H., Hubbard, P., Kanneganti, S., Kulas, M., Newman, K., Noenickx, J., Orban de Xivry, G., Peter, D., Quirrenbach, A., Rademacher, M., Schwab, C., Storm, J., Vaitheeswaran, V., Weigelt, G., & Ziegler, J. (2011). *Status report on the Large Binocular Telescope's ARGOS ground-layer AO system*. In *Astronomical adaptive optics systems and applications IV*. Eds. Tyson, R.K., & Hart, M., SPIE Vol. 8149, 81490J, p. 1-11
181. Caballero, J.A., Quirrenbach, A., Amado, P.J., Mandel, H., Ribas, I., Reiners, A., Mundt, R., Seifert, W., Sánchez-Carrasco, M.A. & CARMENES Consortium (2011). *CARMENES: Towards the Detection of Exoearths*. In *16th Cambridge workshop on cool stars, stellar systems, and the Sun. ASP Conference Series, Vol. 448*. Eds. Johns-Krull, C.M., Browning, M.K., & West, A.A., p. 581-588
182. Klutsch, A., Alonso-Floriano, F.J., Caballero, J.A., Montes, D., Cortés-Contreras, M., López-Santiago, J., Morales, J.C., Quirrenbach, A., Amado, P.J., Ribas, I., Reiners, A., Mundt, R., & CARMENES Consortium (2012). *Spectral characterisation of the CARMENES input catalogue*. In *SF2A-2012: Proceedings of the annual meeting of the French Society of Astronomy and Astrophysics*. Eds. Boissier, S., de Laverny, P., Nardetto, N., Samadi, R., Valls-Gabaud, D., & Wozniak, H., p. 357-360
183. Sahlmann, J., Ségransan, D., Mérand, A., Zimmerman, N., Abuter, R., Chazelas, B., Delplancke, F., Henning, T., Kaminski, A., Köhler, R., Launhardt, R., Mohler, M., Pepe, F., Queloz, D., Quirrenbach, A., Reffert, S., Schmid, C., Schuhler, N., & Schulze-Hartung, T. (2012). *Narrow-angle astrometry with PRIMA*. In *Optical and infrared interferometry III*. Eds. Delplancke, F., Rajagopal, J.K., & Malbet, F., SPIE Vol. 8445, 84450S, p. 1-11
184. Stürmer, J., & Quirrenbach, A. (2012). *Simulating aperture masking at the Large Binocular Telescope*. In *Optical and infrared interferometry III*. Eds. Delplancke, F., Rajagopal, J.K., & Malbet, F., SPIE Vol. 8445, 84452H, p. 1-8

185. Quirrenbach, A., Amado, P.J., Seifert, W., Sánchez Carrasco, M.A., Mandel, H., Caballero, J.A., Mundt, R., Ribas, I., Reiners, A., Abril, M., Aceituno, J., Alonso-Floriano, J., Ammler-von Eiff, M., Anglada-Escude, G., Antona Jiménez, R., Anwand-Heerwart, H., Barrado y Navascués, D., Becerril, S., Bejar, V., Benitez, D., Cardenas, C., Claret, A., Colome, J., Cortés-Contreras, M., Czesla, S., del Burgo, C., Doellinger, M., Dorda, R., Dreizler, S., Feiz, C., Fernandez, M., Galadi, D., Garrido, R., González Hernández, J., Guardia, J., Guenther, E., de Guindos, E., Gutiérrez-Soto, J., Hagen, H.J., Hatzes, A., Hauschildt, P., Helmling, J., Henning, T., Herrero, E., Huber, A., Huber, K., Jeffers, S., Joergens, V., de Juan, E., Kehr, M., Klutsch, A., Kürster, M., Lalitha, S., Laun, W., Lemke, U., Lenzen, R., Lizon, J.L., López del Fresno, M., López-Morales, M., López-Santiago, J., Mall, U., Martin, E., Martín-Ruiz, S., Mirabet, E., Montes, D., Morales, J.C., Morales Muñoz, R., Moya, A., Naranjo, V., Oreiro, R., Pérez Medialdea, D., Pluto, M., Rabaza, O., Ramon, A., Rebolo, R., Reffert, S., Rhode, P., Rix, H.W., Rodler, F., Rodríguez, E., Rodríguez López, C., Rodríguez Pérez, E., Rodriguez Trinidad, A., Rohloff, R.R., Sánchez-Blanco, E., Sanz-Forcada, J., Schäfer, S., Schiller, J., Schmidt, C., Schmitt, J., Solano, E., Stahl, O., Storz, C., Stürmer, J., Suarez, J.C., Thiele, U., Ulbrich, R., Vidal-Dasilva, M., Wagner, K., Winkler, J., Xu, W., Zapatero Osorio, M.R., & Zechmeister, M. (2012). *CARMENES. I: instrument and survey overview*. In *Ground-based and airborne instrumentation for astronomy IV*. Eds. McLean, I.S., Ramsay, S.K., & Takami, H., SPIE Vol. 8446, 84460R, p. 1-13

186. de Jong, R.S., Bellido-Tirado, O., Chiappini, C., Depagne, É., Haynes, R., Johl, D., Schnurr, O., Schwobe, A., Walcher, J., Dionies, F., Haynes, D., Kelz, A., Kitaura, F.S., Lamer, G., Minchev, I., Müller, V., Nuza, S.E., Olaya, J.C., Piffl, T., Popow, E., Steinmetz, M., Ural, U., Williams, M., Winkler, R., Wisotzki, L., Ansorge, W.R., Banerji, M., Gonzalez Solares, E., Irwin, M., Kennicutt, R.C., King, D., McMahon, R.G., Koposov, S., Parry, I.R., Sun, D., Walton, N.A., Finger, G., Iwert, O., Krumpe, M., Lizon, J.L., Vincenzo, M., Amans, J.P., Bonifacio, P., Cohen, M., Francois, P., Jagourel, P., Mignot, S.B., Royer, F., Sartoretti, P., Bender, R., Grupp, F., Hess, H.J., Lang-Bardl, F., Muschelok, B., Böhringer, H., Boller, T., Bongiorno, A., Brusa, M., Dwelly, T., Merloni, A., Nandra, K., Salvato, M., Pragt, J.H., Navarro, R., Gerlofsma, G., Roelfsema, R., Dalton, G.B., Middleton, K.F., Tosh, I.A., Boeche, C., Caffau, E., Christlieb, N., Grebel, E.K., Hansen, C., Koch, A., Ludwig, H.G., Quirrenbach, A., Sbordone, L., Seifert, W., Thimm, G., Trifonov, T., Helmi, A., Trager, S.C., Feltzing, S., Korn, A., & Boland, W. (2012). *4MOST: 4-metre multi-object spectroscopic telescope*. In *Ground-based and airborne instrumentation for astronomy IV*. Eds. McLean, I.S., Ramsay, S.K., & Takami, H., SPIE Vol. 8446, 84460T, p. 1-15

187. Seifert, W., Sánchez Carrasco, M.A., Xu, W., Cárdenas, M.C., Sánchez-Blanco, E., Becerril, S., Feiz, C., Ramón, A., Dreizler, S., Rohde, P., Quirrenbach, A., Amado, P.J., Ribas, I., Reiners, A., Mandel, H., & Caballero, J.A. (2012). *CARMENES. II: optical and opto-mechanical design*. In *Ground-based and airborne instrumentation for astronomy IV*. Eds. McLean, I.S., Ramsay, S.K., & Takami, H., SPIE Vol. 8446, 844633, p. 1-12

188. Gässler, W., Rabien, S., Esposito, S., Lloyd-Hart, M., Barl, L., Beckmann, U., Bluemchen, T., Bonaglia, M., Borelli, J.L., Brusa, G., Brynnel, J., Buschkamp, P., Busoni, L., Carbonaro, L., Connot, C., Davies, R., Deysenroth, M., Durney, O., Green, R., Gemperlein, H., Gasho, V., Haug, M., Hubbard, P., Ihle, S., Kulas, M., Lederer, R., Lewis, J., Loose, C., Lehmitz, M., Noenickx, J., Nussbaum, E., Orban de Xivry, G., Peter, D., Quirrenbach, A., Rademacher, M., Raab, W., Storm, J., Schwab, C., Vaitheeswaran, V., & Ziegleder, J. (2012). *Status of the ARGOS ground layer adaptive optics system*. In *Adaptive optics systems III*. Eds. Ellerbroek, B.L., Marchetti, E., & Véran, J.P., SPIE Vol. 8447, 844702, p. 1-10
189. Amado, P.J., Lenzen, R., Cardenas, M.C., Sánchez-Blanco, E., Becerril, S., Sánchez-Carrasco, M.A., Seifert, W., Quirrenbach, A., Ribas, I., Reiners, A., Mandel, H., & Caballero, J.A. (2012). *CARMENES. V: non-cryogenic solutions for YJH-band NIR instruments*. In *Modern technologies in space- and ground-based telescopes and instrumentation II*. Eds. Navarro, R., Cunningham, C.R., & Prieto, E., SPIE Vol. 8450, 84501U, p. 1-13
190. Becerril, S., Lizon, J.L., Sánchez-Carrasco, M.A., Mirabet, E., Amado, P., Seifert, W., Quirrenbach, A., Mandel, H., Caballero, J.A., Ribas, I., Reiners, A., Abril, M., Antona, R., Cárdenas, C., Morales, R., Pérez, D., Ramón, A., Rodríguez, E., & Herranz, J. (2012). *CARMENES. III: an innovative and challenging cooling system for an ultra-stable NIR spectrograph*. In *Modern technologies in space- and ground-based telescopes and instrumentation II*. Eds. Navarro, R., Cunningham, C.R., & Prieto, E., SPIE Vol. 8450, 84504L, p. 1-12
191. Guàrdia, J., Colomé, J., Ribas, I., Hagen, H.J., Morales, R., Abril, M., Galadí-Enríquez, D., Seifert, W., Sánchez Carrasco, M.A., Quirrenbach, A., Amado, P.J., Caballero, J.A., & Mandel, H. (2012). *CARMENES. IV: instrument control software*. In *Software and cyberinfrastructure for astronomy II*. Eds. Radziwill, N.M., & Chiozzi, G., SPIE Vol. 8451, 84512S, p. 1-8
192. Amado, P.J., Quirrenbach, A., Caballero, J.A., Mandel, H., Ribas, I., Reiners, A., Sanchez-Carrasco, M.A., Seifert, W., Mundt, R., & Carmenes Consortium (2013). *CARMENES: A radial-velocity survey for terrestrial planets in the habitable zones of M dwarfs. A historical overview*. In *Highlights of Spanish astrophysics VII, proceedings of the X scientific meeting of the Spanish Astronomical Society*. Eds. Guirado, J.C., Lara, L.M., Quilis, V., & Gorgas, J., p. 842-847
193. Quirrenbach, A., Amado, P.J., Caballero, J.A., Mandel, H., Mundt, R., Reiners, A., Ribas, I., Sánchez Carrasco, M.A., Seifert, W., Azzaro, M., Galadí, D., Alonso-Floriano, F.J., Dreizler, S., Montes, D., Rhode, P., Stürmer, J., & CARMENES Consortium (2013). *CARMENES: Blue planets orbiting red dwarfs*. In *Hot planets and cool stars*. Ed. Saglia, R., EPJ Web of Conferences, 47, 5006, p. 1-9

194. Raab, W., Rabien, S., Gaessler, W., Esposito, S., Antichi, J., Lloyd-Hart, M., Barl, L., Beckmann, U., Bonaglia, M., Borelli, J., Brynnel, J., Buschkamp, P., Busoni, L., Carbonaro, L., Christou, J., Connot, C., Davies, R., Deysenroth, M., Durney, O., Green, R., Gemperlein, H., Gasho, V., Haug, M., Hubbard, P., Ihle, S., Kulas, M., Loose, C., Lehmitz, M., Noenickx, J., Nussbaum, E., Orban De Xivry, G., Quirrenbach, A., Peter, D., Rahmer, G., Rademacher, M., Storm, J., Schwab, C., Vaitheeswaran, V., & Ziegleder, J. (2013). *Status of ARGOS - the laser guide star system for the LBT*. In *Proceedings of the Third AO4ELT Conference*. Eds. Esposito, S., & Fini, L., 106, p. 1-8

195. Quirrenbach, A., Amado, P.J., Caballero, J.A., Mandel, H., Mundt, R., Reiners, A., Ribas, I., Sánchez Carrasco, M.A., Seifert, W., Azzaro, M., & Galadí, D. (2014). *The CARMENES survey: A search for terrestrial planets in the habitable zones of M dwarfs*. In *Proc. IAU Symp. 293, Formation, detection, and characterization of extra-solar habitable planets*. Ed. Haghighipour, N., Cambridge University Press, p. 177-182

196. Trifonov, T., Reffert, S., Tan, X., Lee, M.H., & Quirrenbach, A. (2014). *Two giant planets orbiting the K giant star η Cet*. In *Proc. IAU Symp. 299, Exploring the formation and evolution of planetary systems*. Eds. Booth, M., Matthews, B.C., & Graham, J., Cambridge University Press, p. 309-310

197. Quirrenbach, A., Amado, P.J., Caballero, J.A., Mandel, H., Mundt, R., Reiners, A., Ribas, I., Sánchez Carrasco, M.A., Seifert, W., Azzaro, M., Galadí, D. & CARMENES Consortium. (2014). *CARMENES: Blue planets orbiting red dwarfs*. In *Proc. IAU Symp. 299, Exploring the formation and evolution of planetary systems*. Eds. Booth, M., Matthews, B.C., & Graham, J., Cambridge University Press, p. 395-396

198. Köhler, R., Launhardt, R., Quirrenbach, A., Henning, T., & Queloz, D. (2014.). *Software for astrometry with PRIMA at the VLTI*. In *Resolving the future of astronomy with long-baseline interferometry. ASP Conference Series, Vol. 487*. Eds. Creech-Eakman, M.J., Guzik, J.A., & Stencel, R.E., p. 321-326

199. Ricker, G.R., Winn, J.N., Vanderspek, R., Latham, D.W., Bakos, G.Á., Bean, J.L., Berta-Thompson, Z.K., Brown, T.M., Buchhave, L., Butler, N.R., Butler, R.P., Chaplin, W.J., Charbonneau, D., Christensen-Dalsgaard, J., Clampin, M., Deming, D., Doty, J., De Lee, N., Dressing, C., Dunham, E.W., Endl, M., Fressin, F., Ge, J., Henning, T., Holman, M.J., Howard, A.W., Ida, S., Jenkins, J., Jernigan, G., Johnson, J.A., Kaltenegger, L., Kawai, N., Kjeldsen, H., Laughlin, G., Levine, A.M., Lin, D., Lissauer, J.J., MacQueen, P., Marcy, G., McCullough, P.R., Morton, T.D., Narita, N., Paegert, M., Palle, E., Pepe, F., Pepper, J., Quirrenbach, A., Rinehart, S.A., Sasselov, D., Sato, B., Seager, S., Sozzetti, A., Stassun, K.G., Sullivan, P., Szentgyorgyi, A., Torres, G., Udry, S., & Villaseñor, J. (2014). *Transiting Exoplanet Survey Satellite (TESS)*. In *Space Telescopes and Instrumentation 2014: Optical, Infrared, and Millimeter Wave* Eds. Oschmann, J.M., Clampin, M., Fazio, G.G., & MacEwen, H.A., SPIE Vol. 9143, 914320, p. 1-15

200. Woillez, J., Abuter, R., Andolfato, L., Berger, J.P., Bonnet, H., Delplancke, F., Derie, F., Di Lieto, N., Guniat, S., Mérand, A., Phan Duc, T., Schmid, C., Schuller, N., Henning, T., Launhardt, R., Pepe, F., Queloz, D., Quirrenbach, A., Reffert, S., Sahlmann, S., & Segransan, D. (2014). *Improving the astrometric performance of VLTI-PRIMA*. In *Optical and infrared interferometry IV*. Eds. Rajagopal, J.K., Creech-Eakman, M.J., & Malbet, F., SPIE Vol. 9146, 91461H, p. 1-12

201. de Jong, R.S., Barden, S., Bellido-Tirado, O., Brynnel, J., Chiappini, C., Depagne, E., Haynes, R., Johl, D., Phillips, D.P., Schnurr, O., Schwobe, A.D., Walcher, J., Bauer, S.M., Cescutti, G., Cioni, M.R.L., Dionies, F., Enke, H., Haynes, D.M., Kelz, A., Kitaura, F.S., Lamer, G., Minchev, I., Müller, V., Nuza, S.E., Olaya, J.C., Piff, T., Popow, E., Saviauk, A., Steinmetz, M., Ural, U., Valentini, M., Winkler, R., Wisotzki, L., Ansorge, W.R., Banerji, M., Gonzalez Solares, E., Irwin, M., Kennicutt, R.C., King, D.M.P., McMahon, R., Koposov, S., Parry, I.R., Sun, X., Walton, N.A., Finger, G., Iwert, O., Krumpe, M., Lizon, J.L., Mainieri, V., Amans, J.P., Bonifacio, P., Cohen, M., François, P., Jagourel, P., Mignot, S.B., Royer, F., Sartoretti, P., Bender, R., Hess, H.J., Lang-Bardl, F., Muschielok, B., Schlichter, J., Böhringer, H., Boller, T., Bongiorno, A., Brusa, M., Dwelly, T., Merloni, A., Nandra, K., Salvato, M., Pragt, J.H., Navarro, R., Gerlofsma, G., Roelfsema, R., Dalton, G.B., Middleton, K.F., Tosh, I.A., Boeche, C., Caffau, E., Christlieb, N., Grebel, E.K., Hansen, C.J., Koch, A., Ludwig, H.G., Mandel, H., Quirrenbach, A., Sbordone, L., Seifert, W., Thimm, G., Helmi, A., Trager, S.C., Bensby, T., Feltzing, S., Ruchti, G., Edvardsson, B., Korn, A., Lind, K., Boland, W., Colless, M., Frost, G., Gilbert, J., Gillingham, P., Lawrence, J., Legg, N., Saunders, W., Sheinis, A., Driver, S., Robotham, A., Bacon, R., Caillier, P., Kosmowski, J., Laurent, F., & Richard, J. (2014). *4MOST: 4-metre Multi-Object Spectroscopic Telescope*. In *Ground-based and airborne instrumentation for astronomy V*. Eds. Ramsay, S.K., McLean, I.S., & Takami, H., SPIE Vol. 9147, 91470M, p. 1-14

202. Quirrenbach, A., Amado, P.J., Caballero, J.A., Mundt, R., Reiners, A., Ribas, I., Seifert, W., Abril, M., Aceituno, J., Alonso-Floriano, F.J., Ammler-von Eiff, M., Antona Jiménez, R., Anwand-Heerwart, H., Azzaro, M., Bauer, F., Barrado, D., Becerril, S., Béjar, V.J.S., Benítez, D., Berdiñas, Z.M., Cárdenas, M.C., Casal, E., Claret, A., Colomé, J., Cortés-Contreras, M., Czesla, S., Doellinger, M., Dreizler, S., Feiz, C., Fernández, M., Galadí, D., Gálvez-Ortiz, M.C., García-Piquer, A., García-Vargas, M.L., Garrido, R., Gesa, L., Gómez Galera, V., González Álvarez, E., González Hernández, J.I., Grözing, U., Guàrdia, J., Guenther, E.W., de Guindos, E., Gutiérrez-Soto, J., Hagen, H.J., Hatzes, A.P., Hauschildt, P.H., Helmling, J., Henning, T., Hermann, D., Hernández Castaño, L., Herrero, E., Hidalgo, D., Holgado, G., Huber, A., Huber, K.F., Jeffers, S., Joergens, V., de Juan, E., Kehr, M., Klein, R., Kürster, M., Lamert, A., Lalitha, S., Laun, W., Lemke, U., Lenzen, R., López del Fresno, M., López Martí, B., López-Santiago, J., Mall, U., Mandel, H., Martín, E.L., Martín-Ruiz, S., Martínez-Rodríguez, H., Marvin, C.J., Mathar, R.J., Mirabet, E., Montes, D., Morales Muñoz, R., Moya, A., Naranjo, V., Ofir, A., Oreiro, R., Pallé, E., Panduro, J., Passegger, V.M., Pérez-Calpena, A., Pérez Medialdea, D., Perger, M., Pluto, M., Ramón, A., Rebolo, R., Redondo, P., Reffert, S., Reinhardt, S., Rhode, P., Rix, H.W., Rodler, F., Rodríguez, E., Rodríguez-López, C., Rodríguez-Pérez, E., Rohloff, R.R., Rosich, A., Sánchez-Blanco, E., Sánchez Carrasco, M.A., Sanz-Forcada, J., Sarmiento,

L.F., Schäfer, S., Schiller, J., Schmidt, C., Schmitt, J.H.M.M., Solano, E., Stahl, O., Storz, C., Stürmer, J., Suárez, J.C., Ulbrich, R.G., Veredas, G., Wagner, K., Winkler, J., Zapatero Osorio, M.R., Zechmeister, M., Abellán de Paco, F.J., Anglada-Escudé, G., del Burgo, C., Klutsch, A., Lizon, J.L., López-Morales, M., Morales, J.C., Perryman, M.A.C., Tulloch, S.M., & Xu, W. (2014). *CARMENES instrument overview*. In *Ground-based and airborne instrumentation for astronomy V*. Eds. Ramsay, S.K., McLean, I.S., & Takami, H., SPIE Vol. 9147, 91471F, p. 1-12

203. Zerbi, F.M., Bouchy, F., Fynbo, J., Maiolino, R., Piskunov, N., Rebolo Lopez, R., Santos, N., Strassmeier, K., Udry, S., Vanzi, L., Riva, M., Basden, A., Boisse, I., Bonfils, X., Buscher, D., Cabral, A., Dimarcantonio, P., Di Varano, I., Henry, D., Monteiro, M., Morris, T., Murray, G., Oliva, E., Parry, I., Pepe, F., Quirrenbach, A., Rasilla, J.L., Rees, P., Stempels, E., Valenziano, L., Wells, M., Wildi, F., Origlia, L., Allende Prieto, C., Chiavassa, A., Cristiani, S., Figueira, P., Gustafsson, B., Hatzes, A., Haehnelt, M., Heng, K., Israelian, G., Kochukhov, O., Lovis, C., Marconi, A., Martins, C.J.A.P., Noterdaeme, P., Petitjean, P., Puzia, T., Queloz, D., Reiners, A., & Zoccali, M. (2014). *HIRES: the high resolution spectrograph for the E-ELT*. In *Ground-based and airborne instrumentation for astronomy V*. Eds. Ramsay, S.K., McLean, I.S., & Takami, H., SPIE Vol. 9147, 914723, p. 1-12

204. Sarmiento, L.F., Reiners, A., Seemann, U., Lemke, U., Winkler, J., Pluto, M., Günther, E.W., Quirrenbach, A., Amado, P.J., Ribas, I., Caballero, J.A., Mundt, R., & Seifert, W. (2014). *Characterizing U-Ne hollow cathode lamps at near-IR wavelengths for the CARMENES survey*. In *Ground-based and airborne instrumentation for astronomy V*. Eds. Ramsay, S.K., McLean, I.S., & Takami, H., SPIE Vol. 9147, 914754, p. 1-9

205. Gurevich, Y.V., Stürmer, J., Schwab, C., Führer, T., Lamoreaux, S.K., Quirrenbach, A., & Walther, T. (2014). *A laser locked Fabry-Perot etalon with 3 cm/s stability for spectrograph calibration*. In *Ground-based and airborne instrumentation for astronomy V*. Eds. Ramsay, S.K., McLean, I.S., & Takami, H., SPIE Vol. 9147, 91477M, p. 1-17

206. Rabien, S., Barl, L., Beckmann, U., Bonaglia, M., Borelli, J.L., Brynnel, J., Buschkamp, P., Busoni, L., Christou, J., Connot, C., Davies, R., Deysenroth, M., Esposito, S., Gässler, W., Gemperlein, H., Hart, M., Kulas, M., Lefebvre, M., Lehmitz, M., Mazzoni, T., Nussbaum, E., Orban de Xivry, G., Peter, D., Quirrenbach, A., Raab, W., Rahmer, G., Storm, J., & Ziegler, J. (2014). *Status of the ARGOS project*. In *Adaptive Optics Systems IV*. Eds. Marchetti, E., Close, L.M., & Véran, J.P., SPIE Vol. 9148, 91481B, p. 1-13

207. Mirabet, E., Carvas, P., Lizon, J.L., Becerril, S., Rodríguez, E., Abril, M., Cárdenas, M.C., Morales, R., Pérez, D., Sánchez Carrasco, M.A., Amado, P.J., Seifert, W., Quirrenbach, A., Caballero, J.A., Ribas, I., Reiners, A., & Dreizler, S. (2014). *CARMENES ultra-stable cooling system: very promising results*. In *Advances in optical and mechanical technologies for telescopes and instrumentation*. Eds. Navarro, R., Cunningham, C.R., & Barto, A.A., SPIE Vol. 9151, 91513Y, p. 1-16

208. Stürmer, J., Stahl, O., Schwab C., Seifert, W., Quirrenbach, A., Amado, P.J., Ribas, I., Reiners, A., & Caballero, J.A. (2014). *CARMENES in SPIE 2014. Building a fibre link for CARMENES*. In *Advances in optical and mechanical technologies for telescopes and instrumentation*. Eds. Navarro, R., Cunningham, C.R., & Barto, A.A., SPIE Vol. 9151, 915152, p. 1-12
209. Garcia-Piquer, A., Guàrdia, J., Colomé, J., Ribas, I., Gesa, L., Morales, J.C., Pérez-Calpena, A., Seifert, W., Quirrenbach, A., Amado, P.J., Caballero, J., & Reiners, A. (2014). *CARMENES instrument control system and operational scheduler*. In *Software and cyberinfrastructure for astronomy III*. Eds. Chiozzi, G., & Radziwill, N.M., SPIE Vol. 9152, 915221, p. 1-15
210. Rivinius, T., de Wit, W.J., Demers, Z., & Quirrenbach, A. (2015). *AMBER/VLTI snapshot survey on circumstellar environments*. In *Proc. IAU Symp. 307, New windows on massive stars: asteroseismology, interferometry, and spectropolarimetry*. Eds. Meynet, G., Georgy, C., Groh, J., & Stee, P., p. 297-300
211. Cortes Contreras, M., Caballero, J.A., Bejar, V.J.S., Gauza, B., Montes, D., Alonso-Floriano, F.J., Ribas, I., Reiners, A., Quirrenbach, A., & Amado, P.J. (2015). *Preparation of the CARMENES input catalogue: Multiplicity of M dwarfs from tenths of arcseconds to hundreds of arcminutes*. In *18th Cambridge workshop on cool stars, stellar systems and the Sun*. Eds. van Belle, G., & Harris, H.C., p. 805-810
212. Quirrenbach, A., Caballero, J.A., Amado, P.J., Ribas, I., Reiners, A., Mundt, R., & Montes, D. (2015). *Manufacturing, assembly, integration and verification of CARMENES and preparation of its input catalogue*. In *18th Cambridge workshop on cool stars, stellar systems and the Sun*. Eds. van Belle, G., & Harris, H.C., p. 897-906
213. Alonso-Floriano, F.J., Montes, D., Caballero, J.A., Klutsch, A., Mundt, R., Córtes-Contreras, M., Morales, J.C., Quirrenbach, A., Amado, P.J., Reiners, A., & Ribas, I. (2015). *CARMENES science preparation: low-resolution spectroscopy of M dwarfs*. In *Highlights of Spanish astrophysics VIII*. Eds. Cenarro, A.J., Figueras, F., Hernández-Monteagudo, C., Trujillo Bueno, J., & Valdivielso, L., p. 441-446
214. Quirrenbach, A., Amado, P.J., Caballero, J.A., Mandel, H., Mundt, R., Reiners, A., Ribas, I., Seifert, W., Azzaro, M., Galadí, D., & CARMENES Consortium (2016). *CARMENES: M dwarfs and their planets*. In *Proc. IAU Symp. 320, Solar and stellar flares and their effects on planets*. Eds. Kosovichev, A.G., Hawley, S.L., & Heinzel, P., p. 388-390
215. Rivinius, T., de Wit, W.J., Demers, Z., Quirrenbach, A., & VLTI Science Operation Team (2016). *OHANA, the AMBER/VLTI snapshot survey*. In *Bright emissaries: Be stars as messengers of star-disk physics*. Eds. Sigut, T.A.A., & Jones, C.E., ASP Conference Series Vol. 506, p. 309-313
216. Mennesson, B., Gaudi, S., Seager, S., Cahoy, K., Domagal-Goldman, S., Feinberg, L., Guyon, O., Kasdin, J., Marois, C., Mawet, D., Tamura, M., Mouillet, D., Prusti,

T., Quirrenbach, A., Robinson, T., Rogers, L., Scowen, P., Somerville, R., Stapelfeldt, K., Stern, D., Still, M., Turnbull, M., Booth, J., Kiessling, A., Kuan, G., & Warfield, K. (2016). *The Habitable Exoplanet (HabEx) Imaging Mission: preliminary science drivers and technical requirements*. In *Space telescopes and instrumentation 2016: Optical, infrared, and millimeter wave*. Eds. MacEwen, H.A., Fazio, G.G., Lystrup, M., Batalha, N., Siegler, N., & Tong, E.C., SPIE Vol. 9904, 99040L, p. 1-10

217. Quirrenbach, A., Amado, P.J., Caballero, J.A., Mundt, R., Reiners, A., Ribas, I., Seifert, W., Abril, M., Aceituno, J., Alonso-Floriano, F.J., Anwand-Heerwart, H., Azzaro, M., Bauer, F., Barrado, D., Becerril, S., Bejar, V.J.S., Benitez, D., Berdinas, Z.M., Brinkmöller, M., Cardenas, M.C., Casal, E., Claret, A., Colomé, J., Cortes-Contreras, M., Czesla, S., Doellinger, M., Dreizler, S., Feiz, C., Fernandez, M., Ferro, I.M., Fuhrmeister, B., Galadi, D., Gallardo, I., Gálvez-Ortiz, M.C., Garcia-Piquer, A., Garrido, R., Gesa, L., Gómez Galera, V., González Hernández, J.I., Gonzalez Peinado, R., Grözing, U., Guàrdia, J., Guenther, E.W., de Guindos, E., Hagen, H.J., Hatzes, A.P., Hauschildt, P.H., Helmling, J., Henning, T., Hermann, D., Hernández Arabi, R., Hernández Castaño, L., Hernández Hernando, F., Herrero, E., Huber, A., Huber, K.F., Huke, P., Jeffers, S.V., de Juan, E., Kaminski, A., Kehr, M., Kim, M., Klein, R., Klüter, J., Kürster, M., Lafarga, M., Lara, L.M., Lamert, A., Laun, W., Launhardt, R., Lemke, U., Lenzen, R., Llamas, M., Lopez del Fresno, M., López-Puertas, M., López-Santiago, J., Lopez Salas, J.F., Magan Madinabeitia, H., Mall, U., Mandel, H., Mancini, L., Marin Molina J.A., Maroto Fernández, D., Martín, E.L., Martín-Ruiz, S., Marvin, C., Mathar, R.J., Mirabet, E., Montes, D., Morales, J.C., Morales Muñoz, R., Nagel, E., Naranjo, V., Nowak, G., Palle, E., Panduro, J., Passegger, V.M., Pavlov, A., Pedraz, S., Perez, E., Pérez-Medialdea, D., Perger, M., Pluto, M., Ramón, A., Rebolo, R., Redondo, P., Reffert, S., Reinhart, S., Rhode, P., Rix, H.W., Rodler, F., Rodríguez, E., Rodríguez López, C., Rohloff, R.R., Rosich, A., Sanchez Carrasco, M.A., Sanz-Forcada, J., Sarkis, P., Sarmiento, L.F., Schäfer, S., Schiller, J., Schmidt, C., Schmitt, J.H.M.M., Schöfer, P., Schweitzer, A., Shulyak, D., Solano, E., Stahl, O., Storz, C., Tabernero, H.M., Tala, M., Tal-Or, L., Ulbrich, R.G., Veredas, G., Vico Linares, J.I., Vilardell, F., Wagner, K., Winkler, J., Zapatero Osorio, M.R., Zechmeister, M., Ammler-von Eiff, M., Anglada-Escudé, G., del Burgo, C., Garcia-Vargas, M.L., Klutsch, A., Lizon, J.L., Lopez-Morales, M., Ofir, A., Pérez-Calpena, A., Perryman, M.A.C., Sánchez-Blanco, E., Strachan, J.B.P., Stürmer, J., Suárez, J.C., Trifonov, T., Tulloch, S.M., & Xu, W. (2016). *CARMENES: an overview six months after first light*. In *Ground-based and airborne instrumentation for astronomy VI*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 9908, 990812, p. 1-14

218. Crepp, J.R., Crass, J., King, D., Bechter, A., Bechter, E., Ketterer, R., Reynolds, R., Hinz, P., Kopon, D., Cavalieri, D., Fantano, L., Koca, C., Onuma, E., Stapelfeldt, K., Thomes, J., Wall, S., Macenka, S., McGuire, J., Korniski, R., Zugby, L., Eisner, J., Gaudi, B.S., Hearty, F., Kratter, K., Kuchner, M., Micela, G., Nelson, M., Pagano, I., Quirrenbach, A., Schwab, C., Skrutskie, M., Sozzetti, A., Woodward, C., & Zhao, B. (2016). *iLocater: a diffraction-limited Doppler spectrometer for the Large Binocular Telescope*. In *Ground-based and airborne instrumentation for astronomy VI*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 9908, 990819, p. 1-13

219. Marconi, A., Di Marcantonio, P., D’Odorico, V., Cristiani, S., Maiolino, R., Oliva, E., Origlia, L., Riva, M., Valenziano, L., Zerbi, F.M., Abreu, M., Adibekyan, V., Al-lende Prieto, C., Amado, P.J., Benz, W., Boisse, I., Bonfils, X., Bouchy, F., Buchhave, L., Buscher, D., Cabral, A., Canto Martins, B.L., Chiavassa, A., Coelho, J., Christensen, L.B., Delgado-Mena, E., de Medeiros, J.R., Di Varano, I., Figueira, P., Fisher, M., Fynbo, J.P.U., Glasse, A.C.H., Haehnelt, M., Haniff, C., Hansen, C.J., Hatzes, A., Huke, P., Korn, A.J., Leão I.C., Liske, J., Lovis, C., Maslowski, P., Matute, I., McCracken, R.A., Martins, C.J.A.P., Monteiro, M.J.P.F.G., Morris, S., Morris, T., Nicklas, H., Niedzielski, A., Nunes, N.J., Palle, E., Parr-Burman, P.M., Parro, V., Parry, I., Pepe, F., Piskunov, N., Queloz, D., Quirrenbach, A., Rebolo Lopez, R., Reiners, A., Reid, D.T., Santos, N., Seifert, W., Sousa, S., Stempels, H.C., Strassmeier, K., Sun, X., Udry, S., Vanzi, L., Vestergaard, M., Weber, M., & Zackrisson, E. (2016). *EELT-HIRES the high-resolution spectrograph for the E-ELT*. In *Ground-based and airborne instrumentation for astronomy VI*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 9908, 990823, p. 1-12
220. Seifert, W., Xu, W., Stahl, O., Hagen, H.J., Sánchez Carrasco, M.A., Veredas, G., Caballero, J.A., Guardia, J., Helmling, J., Hernandez, L., Pérez-Calpena, A., Tulloch, S., Kaminski, A., Zechmeister, M., Quirrenbach, A., Amado, P.J., Ribas, I., Reiners, A., & Mandel, H. (2016). *CARMENES: the VIS channel spectrograph in operation*. In *ground-based and airborne instrumentation for astronomy VI*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 9908, 990865, p. 1-13
221. Helmling, J., Wagner, K., Hernández Castaño, L., Benítez, D., Marín Molina, J., Vico Linares, J.I., Hernández Hernando, F., López Salas, J.F., Magán, H., Pérez-Calpena, A., Caballero, J.A., Seifert, W., Quirrenbach, A., Amado, P.J., Ribas, I., & Reiners, A. (2016). *CARMENES: interlocks or the importance of process visualization and system diagnostics in complex astronomical instruments*. In *Ground-based and airborne instrumentation for astronomy VI*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 9908, 990890, p. 1-11
222. Seifert, W., Xu, W., Buschkamp, P., Feiz, C., Saviauk, A., Barden, S., Quirrenbach, A., & Mandel, H. (2016). *4MOST: the high-resolution spectrograph*. In *Ground-based and airborne instrumentation for astronomy VI*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 9908, 990890, p. 1-17
223. Tala, M., Heeren, P., Grill, M., Harris, R.J., Stürmer, J., Schwab, C., Gutcke, T., Reffert, S., Quirrenbach, A., Seifert, W., Mandel, H., Geuer, L., Schäffner, L., Thimm, G., Seeman, U., Tietz, J., & Wagner, K. (2016). *A high-resolution spectrograph for the 72cm Waltz Telescope at Landessternwarte, Heidelberg*. In *Ground-based and airborne instrumentation for astronomy VI*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 9908, 990860, p. 1-7

224. Caballero, J.A., Guàrdia, J., López del Fresno, M., Zechmeister, M., de Juan, E., Alonso-Floriano, F.J., Amado, P.J., Colomé, J., Cortés-Contreras, M., García-Piquer, Á, Gesa, L., de Guindos, E., Hagen, H.J., Helmling, J., Hernández Castaño, L., Kürster, M., López-Santiago, J., Montes, D., Morales Muñoz, R., Pavlov, A., Quirrenbach, A., Reiners, A., Ribas, I., Seifert, W., & Solano, E. (2016). *CARMENES: data flow*. In *Observatory operations: strategies, processes, and systems VI*. Eds. Peck, A.B., Seaman, R.L., & Benn, C.R., SPIE Vol. 9910, 99100E, p. 1-18
225. Becerril, S., Cárdenas, C., Amado, P., Abril, M., Ferro, I., Mirabet, E., Morales, R., Pérez, D., Ramón, A., Sánchez-Carrasco, M.A., Quirrenbach, A., Ribas, I., Reiners, A., Caballero Hernández, J.A., & Seifert, W. (2016). *CARMENES-NIR channel spectrograph: how to achieve the full AIV at system level of a cryo-instrument in nine months*. In *Observatory operations: strategies, processes, and systems VI*. Eds. Peck, A.B., Seaman, R.L., & Benn, C.R., SPIE Vol. 9910, 99100Q, p. 1-17
226. García-Vargas, M.L., Caballero, J., Pérez-Calpena, A., Amado, P., Seifert, W., Azzaro, M., Mandel, H., Quirrenbach, A., Ribas, I., Reiners, A., Guenther, E., Gesa, L., Galadí, D., & Aceituno, J. (2016). *CARMENES: management of a schedule-driven project*. In *Modeling, systems engineering, and project management for astronomy VI*. Eds. Angeli, G.Z., & Dierickx, P., SPIE Vol. 9911, 99110P, p. 1-11
227. Pérez-Calpena, A., Seifert, W., Amado, P., Quirrenbach, A., García-Vargas, M.L., Caballero, J., Gesa, L., Guenther, E., Becerril, S., Sanchez, M.A., Veredas, G., Ribas, I., & Reiners, A. (2016). *CARMENES system engineering*. In *Modeling, systems engineering, and project management for astronomy VI*. Eds. Angeli, G.Z., & Dierickx, P., SPIE Vol. 9911, 991120, p. 1-12
228. Stürmer, J., Schwab, C., Grimm, S., Kalide, A., Sutherland, A.P., Seifahrt, A., Schuster, K., Bean, J.L., & Quirrenbach, A. (2016). *Optimal non-circular fiber geometries for image scrambling in high-resolution spectrographs*. In *Advances in optical and mechanical technologies for telescopes and instrumentation II*. Eds. Navarro, R., & Burge, J.H., SPIE Vol. 9912, 99121T, p. 1-7
229. Harris, R.J., Labadie, L, Lemke, U., MacLachlan, D.G., Thomson, R.R., Reffert, S., & Quirrenbach, A. (2016). *Performance estimates for spectrographs using photonic reformatters*. In *Advances in optical and mechanical technologies for telescopes and instrumentation II*. Eds. Navarro, R., & Burge, J.H., SPIE Vol. 9912, 99125Q, p. 1-8
230. Becerril, S., Mirabet, E., Lizon, J.L., Abril, M., Cárdenas, C., Ferro, I., Morales, R., Pérez, D., Ramón, A., Sánchez-Carrasco, M.A., Quirrenbach, A., Amado, P., Ribas, I., Reiners, A., Caballero, J.A., Seifert, W., & Herranz, J. (2016). *CARMENES-NIR channel spectrograph cooling system AIV: thermo-mechanical performance of the instrument*. In *Advances in optical and mechanical technologies for telescopes and instrumentation II*. Eds. Navarro, R., & Burge, J.H., SPIE Vol. 9912, 991262, p. 1-11

231. Colomé, J., Guàrdia, J., Hagen, H.J., Morales Muñoz, R., Abril, M., Bentez, D., Caballero, J.A., Fresno, M.L., García-Piquer, A., Gesa, L., de Guindos, E., de Juan, E., Schiller, J., Vico, I., Vilardell, F., Zechmeister, M., Reiners, A., Ribas, I., Seifert, W., Quirrenbach, A., & Amado, P.J. (2016). *CARMENES: The CARMENES instrument control software suite*. In *Software and cyberinfrastructure for astronomy IV*. Eds. Chiozzi, G., & Guzman, J.C., SPIE Vol. 9913, 991334, p. 1-16
232. Quirrenbach, A., Amado, P.J., Ribas, I., Reiners, A., Caballero, J.A., Seifert, W., Zechmeister, M., & CARMENES Consortium. (2017). *CARMENES – M Dwarfs and their Planets: First Results*. In *Proc. IAU Symp. 328, Living Around Active Stars*. Eds. Nandy, D., Valio, A., & Petit, P., p. 46-53
233. Gaudi, B.S., Mennesson, B., Seager, S., Cahoy, K., Clarke, J., Domagal-Goldman, S., Feinberg, L., Guyon, O., Kasdin, J., Marois, C., Mawet, D., Tamura, M., Mouillet, D., Prusti, T., Quirrenbach, A., Robinson, T., Rogers, L., Scowen, P., Somerville, R., Stapelfeldt, K., Stark, C., Stern, D., Still, M., Turnbull, M., Booth, J., Kiessling, A., Kuan, G., & Warfield, K. (2018). *The Habitable exoplanet observatory (HabEx)*. In *Space telescopes and instrumentation 2018: Optical, infrared, and millimeter wave*. Eds. Lystrup, M., MacEwen, H.A., Fazio, G.G., Batalha, N., Siegler, N., & Tong, E.C., SPIE Vol. 10698, 106980P, p. 1-9
234. Heidt, J., Pramskiy, A., Thompson, D., Seifert, W., Gredel, R., Miller, D., Taylor, G., Esposito, S., Puglisi, A., Pinna, E., & Quirrenbach, A. (2018). *Commissioning of the adaptive optics supported LUCI instruments at the Large Binocular Telescope: results*. In *Ground-based and airborne instrumentation for astronomy VII*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 10702, 107020B, p. 1-15
235. Quirrenbach, A., Amado, P.J., Ribas, I., Reiners, A., Caballero, J.A., Seifert, W., Aceituno, J., Azzaro, M., Baroch, D., Barrado, D., Bauer, F., Becerril, S., Bèjar, V.J.S., Benítez, D., Brinkmöller, M., Cardona Guillén, C., Cifuentes, C., Colomé, J., Cortés-Contreras, M., Czesla, S., Dreizler, S., Frölich, K., Fuhrmeister, B., Galadí-Enríquez, D., González Hernández, J.I., González Peinado, R., Guenther, E.W., de Guindos, E., Hagen, H.J., Hatzes, A.P., Hauschildt, P.H., Helmling, J., Henning, T., Herbort, O., Hernández Castaño, L., Herrero, E., Hintz, D., Jeffers, S.V., Johnson, E.N., de Juan, E., Kaminski, A., Klahr, H., Kürster, M., Lafarga, M., Sairam, L., Lampón, M., Lara, L.M., Launhardt, R., López del Fresno, M., López-Puertas, M., Luque, R., Mandel, H., Marfil, E.G., Martín, E.L., Martín-Ruiz, S., Mathar, R.J., Montes, D., Morales, J.C., Nagel, E., Nortmann, L., Nowak, G., Pallé, E., Passegger, V.M., Pavlov, A., Pedraz, S., Pérez-Medialdea, D., Perger, M., Rebolo, R., Reffert, S., Rodríguez, E., Rodríguez López, C., Rosich, A., Sabotta, S., Sadegi, S., Salz, M., Sánchez-López, A., Sanz-Forcada, J., Sarkis, P., Schäfer, S., Schiller, J., Schmitt, J.H.M.M., Schöfer, P., Schweitzer, A., Shulyak, D., Solano, E., Stahl, O., Tala Pinto, M., Trifonov, T., Zapatero Osorio, M.R., Yan, R., Zechmeister, M., Abellán, F.J., Abril, M., Alonso-Floriano, F.J., Ammler-von Eiff, M., Anglada-Escudé, G., Anwand-Heerwart, H., Arroyo-Torres, B., Berdiñas, Z.M., Bergondy, G., Blümcke, M., del Burgo, C., Cano, J. Carro, J., Cárdenas, M.C., Casal, E., Claret, A., Díez-Alonso, E., Doellinger, M., Dorda, R., Feiz, C., Fernández, M., Ferro, I.M., Gaisné, G., Gal-

lardo, I., Gálvez-Ortiz, M.C., García-Piquer, A., García-Vargas, M.L., Garrido, R., Gesa, L., Gómez Galera, V., González-Álvarez, E., González-Cuesta, L., Grohnert, S., Grözing, U., Guàrdia, J., Guijarro, A., Hedrosa, R.P., Hermann, D., Hermelo, I., Hernández Arabí, R., Hernández Hernando, F., Hidalgo, D., Holgado, G., Huber, A., Huber, K., Huke, P., Kehr, M., Kim, M., Klein, R., Klüter, J., Klutsch, A., Labarga, F., Labiche, N., Lamert, A., Laun, W., Lázaro, F.J., Lemke, U., Lenzen, R., Llamas, M., Lizon, J.L., Lodieu, N., López González, M.J., López-Morales, M., López Salas, J.F., López-Santiago, J., Magán Madinabeitia, H., Mall, U., Mancini, L., Marín Molina, J.A., Martínez-Rodríguez, H., Maroto Fernández, D., Marvin, C.J., Mirabet, E., Moreno-Raya, M.E., Moya, A., Mundt, R., Naranjo, V., Panduro, J., Pascual, J., Pérez-Calpena, A., Perryman, M.A.C., Pluto, M., Ramón, A., Redondo, P., Reinhart, S., Rhode, P., Rix, H.W., Rodler, F., Rohloff, R.R., Sánchez-Blanco, E., Sánchez Carrasco, M.A., Sarmiento, L.F., Schmidt, C., Storz, C., Strachan, J.B.P., Stürmer, J., Suárez, J.C., Tabernero, H.M., Tal-Or, L., Tulloch, S.M., Ulbrich, R.G., Veredas, G., Vico Linares, J.L., Vidal-Dasilva, M., Vilardell, F., Wagner, K., Winkler, J., Wolthoff, V., Xu, W., & Zhao, Z. (2018). *CARMENES: high-resolution spectra and precise radial velocities in the red and infrared*. In *Ground-based and airborne instrumentation for astronomy VII*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 10702, 107020W, p. 1-18

236. Evans, C.J., Barbuy, B., Castilho, B., Melendez, J., Smiljanic, R., Japelj, J., Cristiani, S., Snodgrass, C., Bonifacio, P., Puech, M., & Quirrenbach, A. (2018). *Revisiting the science case for near-UV spectroscopy with the VLT*. In *Ground-based and airborne instrumentation for astronomy VII*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 10702, 107022E, p. 1-10

237. Pramskiy, A., Thompson, D., Heidt, J., Seifert, W., Gredel, R., & Quirrenbach, A. (2018). *The LUCI@LBT twins: instrument flexure control*. In *Ground-based and airborne instrumentation for astronomy VII*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 10702, 107022X, p. 1-12

238. Schwab, C., Feger, T., Stürmer, J., Seifahrt, A., Gurevich, Y.V., Rogozin, D., Führer, T., Halverson, S.P., Terrien, R.C., Legero, T., Coutts, D.W., Raskin, G., Walther, T., Bean, J.L., & Quirrenbach, A. (2018). *Rubidium traced etalon wavelength calibrators: towards deployment at observatories*. In *Ground-based and airborne instrumentation for astronomy VII*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 10702, 1070272, p. 1-7

239. Seifert, Xu, W., Buschkamp, P., Feiz, C., ElHaddad, A., Saviauk, A., Quirrenbach, A., & Mandel, H. (2018). *4MOST: status of the high resolution spectrograph*. In *Ground-based and airborne instrumentation for astronomy VII*. Eds. Evans, C.J., Simard, L., & Takami, H., SPIE Vol. 10702, 107027B, p. 1-15

240. Tala Pinto, M., Chanumolu, A., Quirrenbach, A., Reffert, S., Zechmeister, M., & Bauer, F. (2018). *Physical modeling of echelle spectrographs: the CARMENES case study*. In *Modeling, systems engineering, and project management for astronomy VIII*. Eds. Angeli, G.Z., & Dierickx, P., SPIE Vol. 10705, 107051U, p. 1-11
241. Harris, R.J., Tepper, J., Davenport, J.J., Pedretti, E., Haynes, D.M., Hottinger, P., Anagnos, T., Nayak, A.S., Herrero Alonso, Y., Deka, P.J., Minardi, S., Quirrenbach, A., Labadie, L., & Haynes R. (2018). *NAIR: novel astronomical instrumentation through photonic reformatting*. In *Advances in optical and mechanical technologies for telescopes and instrumentation III*. Eds. Navarro, R., & Geyl, R., SPIE Vol. 10706, 107060L, p. 1-15
242. Hottinger, P., Harris, R.J., Dietrich, P.I., Blaicher, M., Glück, M., Bechter, A., Crass, J., Pott, J.U., Koos, C., Sawodny, O., & Quirrenbach, A. (2018). *Micro-lens arrays as tip-tilt sensor for single mode fiber coupling*. In *Advances in optical and mechanical technologies for telescopes and instrumentation III*. Eds. Navarro, R., & Geyl, R., SPIE Vol. 10706, 1070629, p. 1-15
243. Anagnos, T., Harris, R.J., Corrigan, M.K., Reeves, A.P., Townson, M.J., MacLachlan, D.G., Thomson, R.R., Morris, T.J., Schwab, C., & Quirrenbach, A. (2018). *Optimizing astrophotonic spatial reformatters using simulated on-sky performance*. In *Advances in optical and mechanical technologies for telescopes and instrumentation III*. Eds. Navarro, R., & Geyl, R., SPIE Vol. 10706, 107062H, p. 1-12

Book:

1. Cassen, P., Guillot, T., & Quirrenbach, A. (2006). *Extrasolar planets*. Saas-Fee Advanced Course 31, Springer, 451 pages. ISBN-10 3-540-29216-0

Books Edited:

1. Léna, P.J., & Quirrenbach, A. (Editors, 2000). *Interferometry in optical astronomy*. Proceedings of SPIE vol. 4006, 2 parts, 1152 pages. ISBN 0-8194-3631-3
2. Quirrenbach, A. (Editor, 2005). *Coronagraphic methods for the detection of terrestrial planets*. ESA WPP-245

Book Chapters:

1. Quirrenbach, A. (2010). *Interferometric imaging from space*. In *Observing photons in space*. Eds. Huber, M.C.E., Pauluhn, A., Culhane, J.L., Timothy, J.G., Wilhelm, K., & Zehnder, A., ISSI Scientific Report SR-009, ISBN 978-92-9221-938-3, p. 293-311
2. Quirrenbach, A. (2010). *Astrometric detection and characterization of exoplanets*. In *Exoplanets*. Ed. Seager, S., University of Arizona Press, ISBN 978-0-8165-2945-2, p. 157-174

Miscellaneous Publications:

1. Quirrenbach, A. (1987). *MHD-Rechnungen zu axisymmetrischen Plasmen*. Diplomarbeit, Universität Heidelberg
2. Quirrenbach, A. (1990). *Untersuchung der Kurzzeitvariabilität extragalaktischer Radioquellen*. Dissertation, Universität Bonn
3. Quirrenbach, A. (1992). *The angular diameter of Nova Cygni 1992*. IAU Telegram No. 5463
4. Quirrenbach, A. (1993). *Radiobeobachtungen von Quasaren*. Sterne und Weltraum **32**, 95-101
5. Genzel, R., Eckart, A., Hofmann, R., Quirrenbach, A., Sams, B., & Tacconi-Garman, L. (1994). *High resolution NIR imaging of galactic nuclei with SHARP*. ESO Messenger **75**, 17-21
6. Beuzit, J.L., Brandl, B., Combes, M., Eckart, A., Faucherre, M., Heydari-Malayeri, M., Hubin, N., Lai, O., Léna, P., Perrier, C., Perrin, G., Quirrenbach, A., Rouan, D., Sams, B., & Thébault, P. (1994). *Contribution of the ESO adaptive optics programme to astronomy: a first review*. ESO Messenger **75**, 33-37
7. Paresce, F., Mourard, D., Bedding, T., Beletic, J., Haniff, C., Leinert, C., Malbet, F., Mariotti, J.-M., Mozurkewich, D., Mundt, R., Petitjean, P., Quirrenbach, A., Reinheimer, T., Richichi, A., Röttgering, H., von der Lühse, O., & Waters, R. (1996). *A new start for the VLTI*. ESO Messenger **83**, 14-21
8. Quirrenbach, A. (1996). *Near-Infrared observations with adaptive optics*. MPI für Extraterrestrische Physik Annual Report 1995, 65-71
9. Quirrenbach, A. (1996). *ESO workshop on science with the VLT Interferometer*. ESO Messenger **85**, 16-18
10. Quirrenbach, A., & Zinnecker, H. (1997). *Molecular hydrogen towards T Tauri observed with adaptive optics*. ESO Messenger **87**, 36-39
11. Glindemann, A., & Quirrenbach, A. (1997). *Künstlicher Stern über dem Calar Alto – Adaptive Optik mit ALFA am 3.5 m-Teleskop, Teil 1*. Sterne und Weltraum **36**, 950-955
12. Glindemann, A., & Quirrenbach, A. (1997). *Künstlicher Stern über dem Calar Alto – Adaptive Optik mit ALFA am 3.5 m-Teleskop, Teil 2*. Sterne und Weltraum **36**, 1038-1044

13. Quirrenbach, A. (2000). *Observing through the turbulent atmosphere*. In *Principles of Long Baseline Stellar Interferometry*. Ed. Lawson, P.R., JPL Publication 00-009, p. 71-85
14. Quirrenbach, A. (2000). *Principles of phase referencing*. In *Principles of Long Baseline Stellar Interferometry*. Ed. Lawson, P.R., JPL Publication 00-009, p. 143-161
15. Quirrenbach, A. (2001). *Astronomical interferometry, from the visible to sub-mm waves*. Europhysics News **11/2001**, 237-239
16. Marcy, G.W., Butler, P.R., Frink, S., Fischer, D., Oppenheimer, B., Monet, D.G., Quirrenbach, A., & Scargle, J.D. (2002). *Discovery of planetary systems with SIM*. In *Science with the Space Interferometry Mission*. Eds. Unwin, S., & Turyshchev, S., p. 3-6
17. Quirrenbach, A., Frink, S., & Tomsick, J. (2002). *Masses and luminosities of X-ray binaries*. In *Science with the Space Interferometry Mission*. Eds. Unwin, S., & Turyshchev, S., p. 33-35
18. Lawson, P.R., Davis, J., Haniff, C., Hummel, C.A., Lena, P.J., Leinert, C., MacAlister, H.A., Mourard, D., Quirrenbach, A., & Townes, C.H. (2003). *Working group on optical/IR interferometry*. Reports on Astronomy Vol. XXVA, p. 322-324
19. Quirrenbach, A. (2003). *Copernicus' legacy: the five hundred years' revolution*. Oratie, Universiteit Leiden
20. Perryman, M., Hainaut, O., Draivins, D., Léger, A., Quirrenbach, A., & Rauer, H. (2005). *Extra-solar planets*. ESA-ESO Working Groups, Report No. 1, ESA and ESO
21. Bacon, R., Bauer, S., Böhm, P., Boudon, D., Brau-Nogue, S., Caillier, P., Capolani, L., Carollo, C.M., Champavert, N., Contini, T., Daguise, E., Dalle, D., Delabre, B., Devriendt, J., Dreizler, S., Dubois, J.P., Dupieux, M., Dupin, J.P., Emsellem, E., Ferruit, P., Franx, M., Gallou, G., Gerssen, J., Guiderdoni, B., Hahn, T., Hofmann, D., Jarno, A., Kelz, A., Koehler, C., Kollatschny, W., Kosmowski, J., Laurent, F., Lilly, S.J., Lizon, J.L., Loupias, M., Lynn, S., Manescau, A., McDermid, R.M., Monstein, C., Nicklas, H., Perès, L., Pasquini, L., Pécontal, E., Pécontal-Rousset, A., Pello, R., Petit, C., Picat, J.P., Popow, E., Quirrenbach, A., Reiss, R., Renault, E., Roth, M., Schaye, J., Soucail, G., Steinmetz, M., Ströbele, S., Stuik, R., Weilbacher, P., Wozniak, H., & de Zeeuw, P.T. (2006). *Probing unexplored territories with MUSE: a second-generation instrument for the VLT*. ESO Messenger **124**, 5-10
22. Quirrenbach, A. (2006). *Unsere Heimat im Weltall*. In *Unsere Kosmische Heimat – Das neue Bild der Milchstraße*. Sterne und Weltraum Special, p. 76-84

23. Boss, A.P., Butler, R.P., Hubbard, W.B., Ianna, P.A., Kürster, M., Lissauer, J.J., Mayor, M., Meech, K.J., Mignard, F., Penny, A.J., Quirrenbach, A., Tarter, J.C., & Vidal-Madjar, A. (2007). *Working group on extrasolar planets*. In *IAU Transactions, Vol. 26A*, p. 183-186

24. Quirrenbach, A. (2007). *Seeing the surfaces of stars*. *Science* **317**, 325-326

25. Mayor, M., Boss, A.P., Butler, P.R., Hubbard, W.B., Ianna, P.A., Kürster, M., Lissauer, J.J., Meech, K.J., Mignard, F., Penny, A.J., Quirrenbach, A., Tarter, J.C., & Vidal-Madjar, A. (2009). *Commission 53: Extrasolar planets*. In *IAU Transactions, Vol. 27A*, p. 181-182

26. Kudritzki, R.P., Quirrenbach, A., Sterken, C.L., Burton, M.G., Cui, X., Cullum, M., Dennefeld, M., Martinez, P., Perrin, G.S., Tokovinin, A.A., Torres, G., & Udry, S. (2009). *Division IX: Optical and infrared techniques*. In *IAU Transactions, Vol. 27A*, p. 299-303

27. Quirrenbach, A. (2009). *Is there really no place like home?* *Physics World* **6/2009**, 40-41

28. Quirrenbach, A., Silva, D.R., Kudritzki, R.P., Burton, M.G., Cui, X., McLean, I.S., Milone, E.F., Murthy, J., Ridgway, S.T., Tautvaišienė, G., Tokovinin, A.A. & Torres, G. (2010). *Division IX: Optical and infrared techniques*. In *IAU Transactions, Vol. 6, Issue T27*, p. 225-226

29. Quirrenbach, A. (2010). *Große Augen, tiefe Blicke – Heidelberger Wissenschaftler entwickeln Instrumente für die größten Teleskope der Welt*. *Ruperto Carola* **1/2010**, 4-10

30. Gilmore, G., et al. (Gaia-ESO Survey Team) incl. Quirrenbach, A. (2012). *The Gaia-ESO Public Spectroscopic Survey*. *ESO Messenger* **147**, 25-31

31. Quirrenbach, A. (2013). *Exploring habitable worlds beyond our Solar System*. White Paper submitted in response to ESA's Call for Science Themes for the L2 and L3 Missions. <http://sci.esa.int/white-papers-2013/>

32. Udry, S., Lovis, C., Bouchy, F., Collier Cameron, A., Henning, T., Mayor, M., Pepe, F., Piskunov, N., Pollacco, D., Queloz, D., Quirrenbach, A., Rauer, H., Rebolo, R., Santos, N.C., Snellen, I., & Zerbi, F. (2014). *Exoplanet science with the European Extremely Large Telescope. The case for visible and near-IR spectroscopy at high resolution*. ArXiv:1412.1048

33. Plavchan, P., Latham, D., Gaudi, S., Crepp, J., Dumusque, X., Furesz, G., Vanderburg, A., Blake, C., Fischer, D., Prato, L., White, R., Makarov, V., Marcy, G., Stapelfeldt, K., Haywood, R., Collier-Cameron, A., Quirrenbach, A., Mahadevan, S., Anglada, G., & Muirhead, P. (2015). *Radial velocity prospects current and future: A white paper report prepared by the Study Analysis Group 8 for the Exoplanet Program Analysis Group (ExoPAG)*. ArXiv:1503.01770
34. CTA consortium incl. Quirrenbach, A. (2017). *Science with the Cherenkov Telescope Array*. ArXiv:1709.07997
35. Quirrenbach, A. (2018). *4MOST: mit Highspeed den Himmel durchmustern*. Sterne und Weltraum **7/2018**, 40-55
36. HESS collaboration incl. Quirrenbach, A. (2018). *H.E.S.S. first public test data release*. ArXiv:1810.04516
37. HESS collaboration incl. Quirrenbach, A. (2018). *Searches for gamma-ray lines and ‘pure WIMP’ spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.* Journal of Cosmology and Astroparticle Physics, **11**, 037