

Refereed Publications (R)

63. C. Weidner, P. Kroupa, D.E.A. Nürnberger, **M.F. Sterzik** (2007) On the infant weight loss of low- to intermediate-mass star clusters. *Mon. Not. Roy. Ast. Soc.*, in press, astro-ph/0702001.
62. H. Bouy, N. Huelamo, E.L. Martin, D. Barrado y Navascues, **M. Sterzik**, E. Pantin (2007) A mid-infrared study of very low mass stars and brown dwarfs in Upper Scorpius. *Astron.Astrophys.*, 463, 641-646.
61. C.A.O. Torres, G.R. Quast, L. da Silva, R. de la Reza, C.H.F. Melo, **M. Sterzik** (2006) Search for associations containing young stars (SACY). I. Sample and searching method. *Astron.Astrophys.*, 460, 695-708.
60. S. Correia, H. Zinnecker, Th. Ratzka, **M.F. Sterzik** (2006) A VLT/NACO survey for triple and quadruple systems among visual pre-main sequence binaries. *Astron.Astrophys.*, 459, 909-926.
59. L. Vanzì, A. Scatarzi, R. Maiolino, **M. Sterzik** (2006) High resolution spectroscopy of giant HII regions around young massive clusters. *Astron.Astrophys.*, 459, 769-775.
58. A. Tokovinin, S. Thomas, **M. Sterzik**, S. Udry (2006) Tertiary companions to close spectroscopic binaries. *Astron.Astrophys.*, 450, 681-693.
57. A. Tokovinin, O. Kiyeva, **M. Sterzik**, V. Orlov, A. Rubinov, R. Zuchkov (2005) An old nearby quadruple system Gliese 225.2. *Astron.Astrophys.*, 441, 695-699.
56. **M.F. Sterzik**, E. Pantin, M. Hartung, N. Huelamo, H.U. Käufel, A. Kaufer, C. Melo, D. Nürnberger, R. Siebenmorgen, A. Smette (2005) The cool atmospheres of the binary brown dwarf ϵ Indi B. *Astron.Astrophys.*, 436, L39-L42.
55. **M.F. Sterzik**, C. Melo, A. Tokovinin, N. van der Bliëk (2005) HD 34700 is a T Tauri Multiple System. *Astron.Astrophys.*, 434, 671-676.
54. F.-J. Zickgraf, J. Krautter, S. Reffert, J.M. Alcalá, R. Mujica, E. Covino, **M.F. Sterzik** (2005) Identification of a complete sample of northern ROSAT All-Sky Survey X-ray sources. VIII. The late-type stellar component. *Astron.Astrophys.*, 433, 151-171.
53. O. Schütz, G. Meeus, **M.F. Sterzik** (2005) Mid-IR observations of circumstellar disks. I: Pre-main sequence objects. *Astron.Astrophys.*, 431, 175-182.

52. O. Schütz, G. Meeus, **M.F. Sterzik** (2005) Mid-IR observations of circumstellar disks. II: Vega-type stars and a post-main sequence object. *Astron.Astrophys.*, 431, 165-174.
51. E. Covino, A. Frasca, J.M. Alcalá, R. Paladino, **M.F. Sterzik** (2004) Improved fundamental parameters for the low-mass pre-main sequence eclipsing system RX J0529+0041. *Astron.Astrophys.*, 427, 637-649.
50. **M.F. Sterzik**, I. Pascucci, D. Apai, N. van der Blik, C.P. Dullemond (2004) Evolution of young brown dwarf disks in the mid-infrared. *Astron.Astrophys.*, 427, 245-250.
49. D. Apai, I. Pascucci, **M.F. Sterzik**, N. van der Blik, J. Bouwman, C.P. Dullemond, Th. Henning (2004) Grain growth and dust settling in a brown dwarf disk: Gemini/T-ReCS observations of CFHT-BD-Tau 4. *Astron.Astrophys.*, 426, L53-L57.
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47. O. Schütz, H. Bönhardt, E. Pantin, **M. Sterzik**, S. Els, J. Hahn, Th. Henning (2004) A search for circumstellar dust disks with ADONIS. *Astron.Astrophys.*, 424, 613-618.
46. R. Chini, V. Hoffmeister, S. Kimeswenger, M. Nielbock, D. Nürnberger, L. Schmidtbreick, **M. Sterzik** (2004) The formation of a massive protostar through the disk accretion of gas. *Nature*, 429, 155-157.
45. J.M. Alcalá, S. Wachter, E. Covino, **M.F. Sterzik**, R.H. Durisen, M.J. Freyberg, D.W. Hoard, K. Cooksey (2004) Multi-wavelength observations of the star forming region in L1616. *Astron.Astrophys.*, 416, 677-697.
44. **M.F. Sterzik**, R.H. Durisen (2004) Are Binary Separations Related to their System Mass? *Rev.Mex.A.C.*, 21, 58-62
43. **M.F. Sterzik**, R.H. Durisen, H. Zinnecker (2003) How do binary separations depend on cloud initial conditions? *Astron.Astrophys.*, 411, 91-97.
42. G. Meeus, **M.F. Sterzik**, J. Bouwman, A. Natta (2003) Mid-IR spectroscopy of T Tauri stars in Chamealeon I: Evidence for processed dust at the earliest stages *Astron.Astrophys.*, 409, L25-L29.
41. **M.F. Sterzik**, R.H. Durisen (2003) Imprints of Dynamical Interactions on Brown Dwarf Pairing Statistics and Kinematics. *Astron.Astrophys.*, 400, 1031-1042.

40. D. Apai, I. Pascucci, Th. Henning, **M.F. Sterzik**, R. Klein, D. Semenov, E. Günther, B. Stecklum, (2002) Probing Dust around Brown Dwarfs: The Naked LP 944-20 and the Disk of Chamaeleon H α 2. *Astrophys. Journal* 573, L115-L117.
39. **M.F. Sterzik**, A.A. Tokovinin, (2002) Relative orientation of orbits in triple stars. *Astron.Astrophys.* 384, 1030-1037.
38. J.M. Alcalá, E. Covino, C. Melo, **M.F. Sterzik**, (2002) Characterization of low-mass pre-main sequence stars in the Southern Cross. *Astron.Astrophys.* 384, 521-531.
37. D. Nürnberger, S. Durand, J. Köppen, Th. Stanke, **M.F. Sterzik**, S. Els (2001) PN G291.4-00.3: A new type I planetary nebula. *Astron.Astrophys.*, 377, 241-250.
36. R.H. Durisen, **M.F. Sterzik**, B.K.Pickett (2001) A two-step initial mass function: Consequences of clustered star formation for binary properties. *Astron.Astrophys.*, 371, 952-962.
35. O. Marco, N. Ageorges, **M.F. Sterzik** (2001) Using Adaptive Optics Systems on Large Telescopes: A Study of the Fraction of Observing Time Really Spent for Science. *PASP* 113, 397-400.
34. S.G. Els, **M.F. Sterzik**, F. Marchis, E. Pantin, M. Endl, M. Kürster (2001) A second substellar companion in the Gliese 86 system. A brown dwarf in an extrasolar planetary system. *Astron.Astrophys.* 370, L1-4.
33. R. Neuhäuser, F.M. Walter, E. Covino, J.M. Alcalá, S.J. Wolk, S. Frink, P. Guillout, **M.F. Sterzik**, F. Comerón (2000) Search for young stars among ROSAT All-Sky Survey X-ray sources in and around the R CrA dark cloud. *Astron.Astrophys.Suppl.* 146, 323-347.
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30. J.M. Alcalá, E. Covino, **M.F. Sterzik**, J.H.M.M. Schmitt, J. Krautter, R. Neuhäuser (2000) A ROSAT pointed observation of the Chamaeleon II. *Astron.Astrophys.* 355, 629-638.

29. J.M. Alcalá, E. Covino, G. Torres, **M.F. Sterzik**, M. J. Pfeiffer, R. Neuhäuser (2000) High-resolution spectroscopy of ROSAT low-mass pre-main sequence stars in Orion. *Astron.Astrophys.* 353, 186-202.
28. P. Guillout, J.H.M.M. Schmitt, D. Egret, W. Voges, C. Motch, **M.F. Sterzik** (1999) The stellar content of soft X-ray surveys. II. Cross-correlation of the ROSAT All-Sky Survey with the Tycho and Hipparcos catalogs. *Astron.Astrophys.* 351, 1003-1015.
27. **M.F. Sterzik**, J.M. Alcalá, E. Covino, M. G. Petr (1999) New T Tauri stars in the vicinity of TW Hydrae. *Astron.Astrophys.* 346, L41-L44.
26. M. Hünsch, J.H.M.M. Schmitt, **M.F. Sterzik**, W. Voges (1999) The ROSAT all-sky survey catalogue of the nearby stars. *Astron.Astrophys.Suppl.* 135, 319-338
25. **M.F. Sterzik**, R.H. Durisen (1998) The Dynamic Decay of Young Few-Body Stellar Systems. I. The Effect of a Mass Spectrum for $N = 3, 4, \text{ and } 5$. *Astron.Astrophys.* 339, 95-112.
24. F.J. Zickgraf, J.M. Alcalá, J. Krautter, **M.F. Sterzik**, I. Appenzeller, C. Motch, M.W. Pakull (1998) Identification of a complete sample of northern ROSAT All-Sky Survey X-ray sources. VI. K to M-type stars south of Taurus-Auriga. *Astron.Astrophys.* 339, 457-466.
23. P. Guillout, **M.F. Sterzik**, J.H.M.M. Schmitt, C. Motch, R. Neuhäuser (1998) Discovery of a Late-Type Stellar Population Associated with the Gould Belt. *Astron.Astrophys.* 337, 113-124.
22. R. Neuhäuser, S.J. Wolk, T. Preibisch, N.M. Stout-Batalha, A.P. Hatzes, S. Frink, R. Wichmann, E. Covino, J.M. Alcalá, W. Brandner, F.M. Walter, **M.F. Sterzik**, R. Köhler (1998) Optical and X-ray monitoring, Doppler-imaging, and space motion of the young star Par 1724 in Orion. *Astron.Astrophys.* 334, 873-894.
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20. T. Preibisch, E. Guenther, H. Zinnecker, **M.F. Sterzik**, S. Frink, S. Röser (1998) A Lithium-Survey for T Tauri Stars in the Upper Scorpius OB Association. *Astron.Astrophys.* 333, 619-628.
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16. R. Wichmann, **M. Sterzik**, J. Krautter, A. Metanomski, W. Voges (1997) T Tauri stars and the Gould Belt near Lupus. *Astron.Astrophys.* 326, 211-217.
15. S. Frink, S. Röser, R. Neuhäuser, **M.F. Sterzik** (1997) New proper motions of pre-main sequence stars in Taurus-Auriga. *Astron.Astrophys.* 325, 613-622.
14. R. Neuhäuser, G. Torres, **M.F. Sterzik**, S. Randich (1997) Optical high-resolution spectroscopy of ROSAT detected late-type stars south of the Taurus-Auriga molecular clouds. *Astron.Astrophys.* 325, 647-663.
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8. R. Neuhäuser, **M.F. Sterzik**, J.H.M.M. Schmitt, R. Wichmann, J. Krautter (1995) ROSAT Survey observation of T Tauri stars in Taurus. *Astron.Astrophys.* 297, 391.
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4. **M.F. Sterzik**, Morfill G.E. (1994) Evolution of Protoplanetary Disks with Condensation and Coagulation. *Icarus*, 111, 536-546.
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2. L. Strüder, H. Bräuninger, M. Meier, P. Predehl, C. Reppin, **M. Sterzik**, J. Trümper, P. Cattaneo, D. Hauff, G. Lutz, K.F. Schuster, A. Schwarz, E. Kenziorra, A. Staubert, E. Gatti, A. Longoni, M. Sampietro, V. Radeka, P. Rehak, S. Rescia, P.F. Manfredi, W. Buttler, P. Holl, J. Kemmer, U. Prechtel, T. Ziemann (1990) The MPI/AIT X-ray Imager (MAXI) - High Speed pn-CCD's for X-ray Detection. *Nucl. Instr. Meth. A* 288, No. 1, 227-235.
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