

## 1. Publications

1. On the Black Hole Model of Galactic Nuclei, (with D. Ter Haar), *A&A*, 24, 121, 1973
2. As Astronomers Vade Mecum for Plasma Turbulent Reactors, (with D. Ter Haar), *Fysik Tidschrift (Moller Festschrift)*, 72, 84, 1974
3. Parameter Constraints on Plasma Turbulent Reactors, (with D. Ter Haar & V. N. Tsytovich), *Physica Scripta 11*, Plasma Theory Workshop Issue: *Plasma Turbulence*, Aspenasgarden, 1975
4. The Effects of Comptonization, Fusion and Decay on the Properties of Plasma Turbulent Reactors, *Physica Scripta 11*, 395, 1975
5. Relativistic Solitons, (with V. N. Karpman, D. Ter Haar, & V. N. Tsytovich), *Physica Scripta 11*, 271, 1975
6. Plasma Turbulent Reactors: An Astrophysical Paradigm, (with D. Ter Haar), *Physics Report*, 17, 309, 1975
7. Plasma Turbulent Reactors, *Annals of Physics*, 106, 26, 1977
8. Electromagnetic Parametric Instabilities in an Ultrarelativistic Plasma, (with J. Arons & C. Max), *Physics of Fluids*, 20, 1302, 1977
9. Kinetic Processes in Solar Flares, (with R. A. Smith), *Proceedings CECAM Workshop on Plasma Physics Applied to Active Phenomena on the Sun*, ed. M. Kuperus, 1978.
10. A Non-Linear Theory of Spiral Density Waves, *MNRAS*, 182, 455, 1978
11. Infrared Molecular Line Emission from Grain Surfaces in Dense Clouds, (with L. J. Allamandola), *A&A*, 66, 129, 1978  
*Erratum:* Infrared Molecular Line Emission from Grain Surfaces in Dense Clouds, (with L. J. Allamandola), *A&A*, 77, 261, 1979
12. Infrared Emission Lines from Molecules in Grain Mantles, (with L. J. Allamandola), *A&A*, 63, L23, 1978
13. Clumping of Galaxies in an Expanding Universe, (with J. Silk), *ApJ*, 224, 293, 1978
14. Kinetic Processes in Solar Flares, (with Robert A. Smith), *A&A*, 68, 145, 1978
15. Interstellar Bullets: H<sub>2</sub>O Masers and Herbig Haro Objects, (with J. Silk), *ApJ*, 228, 197, 1979

16. On the Middle Infrared Fluorescence and Absorption of Molecules in Grain Mantles (with L. Allamandola, J. M. Greenberg), *A&A*, 77, 66, 1979
17. Galaxy Collisions and Their Influence on the Dynamics and Evolution of Clusters of Galaxies, (with N. Roos), *A&A*, 75, 1979
18. VLBI Detection of SS433 (R. Schilizzi, C. Norman, W. van Breugel & E. Hummel), *A&A*, 79, 126, 1979  
Erratum: VLBI Detection of SS433 (R. Schilizzi, C. Norman, W. van Breugel & E. Hummel), *A&A*, 97, 413, 1981
19. Gas-Rich Dwarfs and Accretion Phenomena in Early Type Galaxies (with J. Silk), *ApJ*, 234, 86, 1979
20. Gaseous Halos - Implications for Cluster, Galaxy and Radio Source Evolution (with J. Silk), *ApJ*, 233, L1, 1979
21. Observational Constraints on Driving Mechanisms for Spiral Density Waves *ApJ*, 233, 539, 1979
22. Correlation of Galaxy Rotation Curves and the Morphology of Spiral Structure (with J. Kormendy) in *Photometry, Kinematics and Dynamics of Galaxies*, eds. G. De Vaucelleurs, p.445, 1980
23. Particle Acceleration by Shock Waves in Solar Flares (with A. Achterberg) *A&A*, 89, 353, 1980
24. Clumpy Molecular Clouds-A Dynamic Model Self-Consistently Regulated by T-Tauri Star Formation (with J. Silk), *ApJ*, 238, 158, 1980
25. High Resolution 4.8 Ghz Mapping of  $H_2CO$  using the Westerbork Synthesis Radio Telescope (with R. Forster, W.M. Goss, T. de Jong, H.Habing, & H.Dickel) in *Interstellar Molecules*, IAU Symp. 87, 95, 1980
26. The Evolution of Giant Molecular Clouds (with J. Silk) in *Interstellar Molecules*, IAU Symp. 87, p.137, 1980
27. The Interaction of T-Tauri stars with Molecular Clouds in *Interstellar Molecules*, IAU Symp. 87, p.165, 1980
28. Implications of Fine Scale Structure in Relaxed Double Radio Sources (with M.D. Smith), *A&A*, 81, 282, 1980

29. Dissipational Galaxy Formation: Confrontation with Observations, (with J. Silk), ApJ247, 59, 1981
30. Gas Rich Dwarf Galaxies, (with B. Jones), Proceedings of the ESO-ESA Workshop on Coordinated Space and Ground Based Observations, eds. M. Tarengi & K. Kjaer, ESO, Garching, p.173 1981
31. **Formation, Structure and Evolution of Galaxies** CECAM Workshop, eds, J. Audouze & C. Norman, Universite Paris-Sud, Paris, 1981
32. One-sided Jets in Extragalactic Radio Sources, (with E. Van Groningen, & G. K. Miley), A&A, 90, L7, 1981
33. Massive Neutrinos and Galaxy Formation, (with F. Klinkhamer), ApJ, 243, 1, 1981.  
*Erratum:* Massive Neutrinos and Galaxy Formation, (with F. Klinkhamer), ApJ, 245, L97, 1981
34. Extragalactic Jets I- Trajectories (with M.D.Smith), MNRAS194,771, 1981
35. Extragalactic Jets II- Shape and Stability (with M.D.Smith), MNRAS194,785, 1981
36. The Energy Balance in Shock Wave Acceleration, (with A. Achterberg), in *A. Achterberg*, Ph.D., Thesis, “Acceleration and Propagation of Energetic Particles in Turbulent Cosmic Plasmas,” Utrecht, 1981
37. Stellar and Gaseous Dynamics of Triaxial Galaxies, (with G. Lake), IAU 100, *Internal Kinematics and Dynamics of Galaxies* ed. L. Athanassoula, p. 315, 1982
38. The Dynamics and Fuelling of Active Galactic Nucle’, (with J. Silk), ApJ, 266, 502, 1983
39. Stellar and Gaseous Dynamics of Triaxial Galaxies, (with G. Lake), ApJ, 270, 51, 1983
40. X-ray Observations of Radio Jet Galaxies, (with G. Miley, J. Silk, & G. Fabbiano), A&A122, 330, 1983
41. Centrifugally Driven Winds from Contracting Molecular Clouds, (with R. Pudritz), ApJ, 274, 667, 1983
42. Triaxiality and the Galactic Centre, (with G. Lake)in *The Galactic Center*, AIP, New York, p.189, 1983
43. X-ray Emission from Pre-Main Sequence Stars, Molecular Clouds, and Star Formation, (with J. Silk), ApJ272, L49, 1983

44. The Final State of a Solar Flare, (with J. Heyvaerts), *A&A*, 124, L1, 1983
45. Conflicts and Directions in Spiral Structure in IAU 100, *Internal Kinematics and Dynamics of Galaxies* ed. L. Athanassoula, p.163, 1983
46. Secular Dynamical Evolution of Galaxies, *Proceedings of Moriond Conference*, eds. J. Audouze, & J. Tran Thanh Van, NATO ASI Series C., Mathematical and Physical Sciences, 117, 327, 1984
47. Black Halos and Dwarf Galaxies, (with J. Silk), *Proceedings for Moriond Conference*, eds. J. Audouze, & J. Tran Thanh Van, NATO ASI Series C, Mathematical and Physical Sciences, 117, 215, 1984
48. Orientation of Spiral Galaxies in the Local Supercluster (with E. Andersen & G. Illingworth) in *Clusters and Groups of Galaxies* ed. F. Madirossian, G. Giuricin, M. Mezzetti (Reidel; Dordrecht), p.63, 1984
49. Jets and Broad Emission Line Regions (with P. Barthel & G. Miley), in *VLBI and Compact Radio Sources*, IAU Symp. 110, p.237, 1984
50. Jets and Emission-Line Regions, (with G. Miley), *A&A*141, 85, 1984
51. Secular Evolution in Galaxies I, (with A. May & T. Van Albada), in *The Milky Way Galaxy*, IAU Symp. 106, eds. H. Van Woerden, R. Allen & W. Burton, p.631, 1984
52. Secular Evolution in Galaxies II, Black Holes and the Shapes of Galaxies, (with A. May & T. Van Albada), *ApJ*, 20, 1985
53. Secular Evolution in Galaxies III. Box Shaped Bulges, (with A. May & T. Van Albada), *MNRAS*214, 131, 1985
54. Formation, Structure and Stability of Jets, in *I.A.U. 107, Plasma Instabilities in Astrophysics*, ed. M. Kundu, p. 85, 1985
55. Magnetic Field Reconnection and Dissipation During Star Formation, (with J. Heyvaerts), *A&A*, 147, 247, 1985
56. The Galaxy Scene and Quasars, *Proceedings of the Vienna Conference on VLBI in Space*, ESA, ed. R. Schilizzi, p. 5, 1985
57. Magnetic Processes During Star Formation, in *Frontiers in Astronomy and Astrophysics*, ed. R. Pallavicini, p. 115, 1985

58. Formation of Elliptical Galaxies and Massive Halos (with R. Carlberg & G. Lake), *ApJ*, 300, L1, 1986
59. On Pumping Astronomical Masers (with N. Kylafis), *ApJ*, 300, L73, 1986
60. Bipolar Hydromagnetic Winds from Disks Around Protostellar Objects (with R. Pudritz), *ApJ*, 301, 571, 1986
61. An Advanced Radial Camera for the Hubble Space Telescope (with R. E. Griffiths, H. R. Butcher, G. E. Danielson, A. Delamere, H. Ford, J. E. Gunn, J. P. Henry, J. G. Hoessel, G. Illingworth, R. Kron, & H. Reitsema), *SPIE*, 591, 1986
62. Hydrodynamic Winds from Accretion Disks (with R. Pudritz) in *Jets from Stars and Galaxies*, ed. R. N. Henriksen, *Canadian Journal of Physics*, 64, 351, 1986
63. The Structure and Evolution of Dwarf Galaxies in *Star Forming Dwarf Galaxies and Related Objects*, ed. D. Kunth & T. Thuan, Reidel, Dordrecht, p. 371, 1986
64. Structure of Molecular Clouds and Space Based Sub-Millimetre Telescopes; For Example FIRST in *Space Borne Sub-Millimetre Astronomy*, ed. J. Puget, ESA, N87-1735 09-88, p. 295, 1986
65. **Stellar Populations** , STScI Conference, 1, eds. C. Norman, A. Renzini & M. Tosi, Cambridge University Press 1986
66. Dwarf Galaxies and Lyman Alpha Clouds: Two Component Dark Matter Universes I (with S. Ikeuchi), *ApJ*, 312, 485, 1987
67. Theory of Bipolar Flows and Jets from Young Stars in IAU Symposium *Circumstellar Environments*, ed. I. Appenzeller & C. Jordan, (Reidel) 51, 1987
68. Star Formation and Dynamics in Starburst Nuclei in *Star Formation in Galaxies*, ed. G. Neugebauer & N. Scoville, p. 395 (NASA Conference Publication N-87-24266 17-89), 1987
69. A Magnetic Loop Model for Activity in the Galactic Centre (with Jean Heyvaerts & Ralph Pudritz) in *The Galactic Centre*, ed. R. Genzel & D. Backer, p. 176 (American Institute of Physics), 1987
70. On Pumping the Strong Water Masers (with N. Kylafis), *ApJ*, 323, 346, 1987
71. Current Problems in Astrophysics Needing Space Based Radio Astronomy *Radio Astronomy from Space*, NRAO, Charlottesville (A88-38077 15-89) ed. K. Weiler (NRAO), 15, 1987

72. Cosmology: Scientific Overview in *Cosmology and Instrumentation* ed. R. Davies, NOAO, Tucson, p. 1, 1987
73. Structure of Galaxies and Star Formation: Workshop Summary in *Proceedings of the 10th European Regional Meeting of the IAU*, Czechoslovak Academy of Sciences, 4, p.347, 1987
74. The Theory of Bipolar Flows in *Proceedings of the 10th European Regional Meeting of the IAU*, Czechoslovak Academy of Sciences, 4, p.21, 1987
75. A Magnetic Loop Model for Structure and Activity in the Galactic Centre (with J. Heyvaerts & R. Pudritz), *ApJ*, 330, 718, 1988
76. Two Component Dark Matter Universes II: Linear Fluctuation Theory (with S. Ikeuchi & Z. Yin), *ApJ*, 324, 35, 1988
77. Starbursts and their Dynamics in *Starbursts and Galaxy Evolution*, XXII Moriond Conference, eds. T. Thuan, Editions Frontieres, p. 483, 1988.
78. The Evolution of Starbursts Galaxies to Active Galactic Nuclei and QSOs (with N. Scoville), *ApJ*, 332, 124, 1988
79. Broad Emission Lines from the Mass-Loss Envelopes of Giant Stars in Active Galactic Nuclei (with N. Scoville), *ApJ*, 332, 163, 1988
80. Starburst Galaxies: Nature and Implications in *Galactic and Extragalactic Star Formation*, NATO ASI Series C, 232, ed. R. Pudritz, & M. Fich, p. 495 (Reidel), p.495. 1988.
81. Body Building in the Solar Nebula ( with H. Weaver), *Nature*, 334, 474, 1988
82. Starbursts: Nature and Environments in *Comets to Cosmology*, Lecture Notes in Physics, 297, ed. A. Lawrence, Springer-Verlag, p.177, 1988
83. **Quasar Absorption Lines: Probes of the Universe**, STSCI Conference 2, eds. D. Turnshek, C. Blades & C. Norman, Cambridge University Press, 1988
84. The Disk-Halo Connection and the Nature of the Interstellar Medium (with S. Ikeuchi) in *The Outer Galaxy*, Lecture Notes in Physics, Springer-Verlag, Berlin, eds. L. Blitz & J. Lockman, p. 155, 1988
85. Circumstellar Material Around Nearby Stars: Clues to the Formation of Planetary Systems (with F. Paresce) in *The Formation of Planetary Systems*, ed. H. Weaver & L. Danly, (CUP), p. 151, 1989

86. The Evolution of Starburst Galaxies to Active Galactic Nuclei (with N. Scoville) in *Active Galaxies*, IAU 134, ed. D. Osterbrock & J. Miller, Kluwer, Dordrecht, p.65, 1989
87. The Hubble Space Telescope and other Initiatives in *XIV Texas Meeting on Relativistic Astrophysics*, (N.Y. Academy of Sciences), Annals, 571, 497, 1989
88. The Disk-Halo Interaction: Superbubbles and the Structure of the Interstellar Medium (with S. Ikeuchi), *ApJ*, 345, 372, 1989
89. The Collimation of Magnetized Winds (with J. Heyvaerts), *ApJ*, 347, 1055, 1989
90. Infrared Supernovae in Starbursts (with D. van Buren), *ApJ*, 336, L67, 1989
91. Issues in Planetary System Formation, Chapter XII, of *The Formation of Planetary Systems*, eds. H. Weaver, & L. Danly, (CUP), p. 275, 1989
92. The Collimation of Magnetohydrodynamical Winds: Bipolar Flows and Jets (with J. Heyvaerts) in *Galactic and Intergalactic Magnetic Fields*, IAU Symp. 140, eds. R.Beck, P. Kronberg & R. Wielebinski Kluwer; Dordrecht, p.353, 1990
93. Galaxy Formation and Quasar Absorption Lines in *Confrontation Between Theories and Observations in Cosmology*, Varenna Summer School, eds. J. Audouze, & F. Melchiori (North Holland: Amsterdam) p. 273, 1990
94. The Origin and Evolution of Cosmic Magnetic Fields in *Confrontation Between Theories and Observations in Cosmology*, Varenna Summer School, eds. J. Audouze & F. Melchiori (North-Holland: Amsterdam) p. 29, 1990
95. Collisional Pumping of OH masers in the  $2 \Pi_{1/2}$  (with N. Kylafis) *ApJ*, 350, 209, 1990
96. Bar Dynamics Around Massive Black Holes (with H. Hasan), in *Merging and Interacting Galaxies*, ed. R. Wielen (Springer-Verlag: Berlin) p. 479, 1990.
97. Gas Dynamics in Barred Galaxies with Central Mass Concentrations (with D. Pfenniger), in *Merging and Interacting Galaxies*, ed. R. Wielen (Springer-Verlag: Berlin) p. 485, 1990.
98. Paired and Interacting Galaxies: Conference Summary in *IAU Colloquium 124*, eds. W. Keel & J. Sulentic (NASA CP 3098), p. 765, 1990
99. Chaotic Orbits in Barred Galaxies with Central Mass Concentration (with H. Hasan), *ApJ*, 363, 69, 1990

100. Dissipation in Barred Galaxies: The Growth of Bulges and Central Mass Concentration (with D. Pfenniger), *ApJ*, 363, 391, 1990
101. Quasars, Active Galaxies and Starbursts in *Astrophysics from the Moon* AIP Proc. 207 ed. M. J. Mumma and H. J. Smith, AIP, p. 241, 1990
102. The Growth of Bulges and Central Mass Concentrations (with D. Pfenniger) in *IAU 146, The Dynamics of Galaxies and their Molecular Cloud Distributions*, ed. F. Combes & F. Casoli, Kluwer; Dordrecht, 323, 1991.
103. Some Aspects of Starburst Galaxies in *Windows on Galaxies* ed. G. Fabbiano, J. Gallagher, A. Renzini, & Erice, (Kluwer) p. 311, 1990
104. Collimation of MHD Winds: Bipolar Flows and Jets in *Magnetic Fields in the Universe, IAU 124*, ed. R. Beck & P. Kronberg (Reidel:Dordrecht) p. 535, 1990
105. **Massive Stars and Starbursts**, STScI Conference, 5, eds, C. Leitherer, N. Walborn, T. Heckman, C. Norman, Cambridge University Press, 1991
106. What Determines the Physical Quantities of Galaxies: A Two-Component Gas Model for Protogalaxies with Energy Input from Supernovae (with S. Ikeuchi), *ApJ*, 375, 479, 1991
107. Collisional Pumping of H<sub>2</sub>O Masers in *Star-Forming Regions* (with N. Kylafis), *ApJ*, 373, 525, 1991
108. Models of Starburst Galaxies in *ST ScI Workshop Massive Stars and Starbursts* eds. T. Heckman, C. Leitherer, C. Norman, & N. Walborn (CUP: Cambridge) p. 271, 1991
109. Disk-Halo Interaction and Models of the ISM in *IAU 144, The Interstellar Disk-Halo Interaction in Galaxies*, ed. H. Bloemen, (Reidel) p. 337, 1991
110. Three-Dimensional Dynamics Around a Central Mass Concentration in a Barred Galaxy (with H. Hasan & D. Pfenniger), Proceedings of Varberg Conference in *Stellar Dynamics of Disks*, p. 167, 1991
111. On High Flyers in Fermi Acceleration (with L. Ball & D. B. Melrose), *ApJ*, 398, L65, 1992
112. Star Formation at High Redshift, *Australian Journal of Physics*, 45, 389, 1992
113. Galactic Bars with Central Mass Concentrations-Three Dimensional Dynamics (with H. Hasan & D. Pfenniger), *ApJ*, 401, 91, 1993

114. The Disk-Halo Interface in Spiral Galaxies (with R. A. M. Walterbos & R. Braun), in the *Evolution of Galaxies and Their Environments*, eds. D. Hollenbach & M. Shull, NASA Publ. 3190, p. 307, 1993
115. Starburst Galaxies and their Relation to the Formation, Structure and Evolution of Galaxies, Proceedings of the Enrico Fermi School on Galaxy Formation and Cosmology, Varenna 1992, ed. N. Vittorio & J. Silk (North-Holland: Amsterdam) p. 283, 1994
116. The Soft X-ray Halo of the Spiral Galaxy NGC 4631 (with R. Walterbos, R. Steakley, Q.D. Wang & R. Braun) in AIP Conference Proc. 313, eds. E.M. Schlegel & R. Petre, AIP, New York p.173, 1994
117. Investigating a Self-Consistent potential with Central Mass Concentration (with H. Hasan & J. Sellwood), in IAU Symposium 153, *Galactic Bulges*, eds. H. Dejonghe & H. J. Habing (Kluwer: Dordrecht) p. 385, 1994
118. POST: A Polar Stratospheric Telescope (with H. Ford et al), Proceedings SPIE, 2199, 298, 1994
119. The Mass of a Star Formed in a Cloud Core (with T. Nakano & T. Hasegawa) Ap&SS, 224, 523, 1995
120. Stellar Contrails In Quasi-Stellar Objects: The Origin of Broad Absorption Lines (with N. Scoville), ApJ, 451, 510, 1995
121. The Origin of UHE Cosmic Rays Above  $10^{18.5eV}$  (with A. Achterberg & D. Melrose), ApJ, 454, 60, 1995
122. A First Determination of the Surface Density of Galaxy Clusters at Very Low X-Ray Fluxes (with P. Rosati, R. Burg. & R. Giacconi), ApJ, 445, L11, 1995
123. The Physics of the Interstellar and Intergalactic Medium: Summary of the Conference in *The Proceedings of the George Field Conference, Elba, 1994*, eds. A. Ferrara, C. McKee, & P. Shapiro, ASP Conference, 80, p. 582, 1995
124. The Mass of a Star Formed in a Cloud Core: Theory and Its Application to the Orion A Cloud (with T. Nakano & T. Hasegawa), ApJ, 450, 183, 1995
125. Hubble Space Telescope Observations of QSO Absorption Lines Associated with Starburst Galaxy Outflows (with D. Bowen, T. Heckman, C. Blades & L. Danly), ApJ, 472, 73

126. Radio Jets and the Formation of Active Galaxies: Accretion Avalanches on the Torus by the Effect of a Large Scale Magnetic Field (with R. Matsumoto, Y. Uchida, S. Hirose, K. Shibata, M. Hayashi, A. Ferrari & G. Bodo), *ApJ*, 461, 115, 1996
127. Bar Dissolution and Bulge Formation: An Example of Secular Dynamical Evolution in Galaxies (with J. Sellwood and H. Hasan), *ApJ*, 462, 114, 1996
128. The Statistical Mechanics of Reconnecting Flux Loops and Consequences for Massive Star Formation (with F. Adams, S. Cowley & R. Sudan), *ApJ*, 469, 719, 1996
129. Two-Phase Cooling Flows with Magnetic Reconnection: (with A. Meiksin), *ApJ*, 468, 97, 1996
130. Bar Dissolution and Bulge Formation ( with H. Hasan and J. Sellwood) in *IAU 171, New Light on Galaxy Evolution* , eds. R. Bender and R. D. Davies (Kluwer: Dordrecht), p.427, 1996
131. The Highest Energy Cosmic Rays in *IAU Symp. 175, Extragalactic Radio Astronomy*, ed. R. Ekers, C. Fanti, L. Padrielli, Kluwer Academic, p. 291, 1996
132. Cold Gas at High Redshift (with R. Braun) in *Cold Gas at High Redshift*, eds.M.N. Bremer & N. Malcolm (Kluwer: Dordrecht),p.3, 1996
133. Galaxy Formation and Related Topics in 11th IAP Astrophysics Meeting on *Massive Stars, the Interstellar Medium and Galaxy Formation* eds. D. Kunth and B. Guiderdoni (Editions Frontieres: Paris) p. 355, 1996
134. The Turbulent Interstellar Medium: Generalizing to a Scale-Dependent Phase Continuum (with A. Ferrara), *ApJ*, 467, 280, 1996
135. Collimation of MHD Outflows ( with Jean Heyvaerts), in NATO Advanced Study Institute, June 11-12, 1995, Crete, *Solar Astrophysical and Astrophysical Magneto-hydrodynamic Flows*, ed. K. Tsinganos & A. Ferrari, Gordon & Breach, New York, 1996
136. Prediction of Stellar Mass in Star Formation: Theory and its Application to the Orion A Cloud (with T. Nakano and T. Hasegawa) in *Disks and Outflows around Young Stars* eds. S. Beckwith, J. Staude, A. Quetz, and A. Natta, p. 192-207 (Springer; Berlin), 1996
137. ROSAT Detection of Diffuse Hot Gas in the Edge-on Galaxy NGC 4631 (with R. A. M. Walterbos, Q. D. Wang, M. Steakley, & R. Braun), *ApJ*, 439, 176, 1996

138. On the Upper Limit of the Surface Brightness of Starburst Galaxies (with A. Habe) in *Galaxy Scaling Relations: Origins, Evolution and Applications* eds. L. da Costa & A. Renzini (Springer-Verlag), p. 374, 1997
139. Hydrogen Recombination Line Masers at the Epochs of Recombination and Reionization (with M. Spaans), *ApJ*, 488, 27, 1997
140. Molecules at High Redshift: The Evolution of the Cool Phase of Protogalactic Disks (with M. Spaans), *ApJ*, 480, 145, 1997
141. Cosmological Evolution of Dwarf Galaxies: The Influence of Star Formation and the Multi-Phase ISM (with M. Spaans), *ApJ*, 483, 87, 1997
142. Mass Ejection from AGN: Conference Summary ( with N. Arav) in *Mass Ejection from AGN* ASP Conference Series, 128, eds. N. Arav, I.Shlosman and R.J. Weyman, p. 291, 1997
143. Can the Line-Driven Instability Form BAL QSO Clouds? ( with A. Feldmeier, A. Pauldrach, S. Owocki, J. Puls & L. Kaper) in *Mass Ejection from AGN* ASP Conference Series, 128, eds. N. Arav, I.Shlosman and R.J. Weyman, p.291, 1997 p. 258, 1997
144. Outflows of Magnetized Rotators: Structure and Collimation (with T. Lery, J. Heyvaerts, and S. Appl) in *Herbig Haro Objects and the Birth of Stars* IAU Symposium 182 eds. B. Reipurth and C. Bertout, Kluwer Academic, 1997, p. 152
145. Asymptotic Structure of Rotating MHD Winds and its Relation to Wind Boundary Conditions (with J. Heyvaerts) in *Herbig Haro Objects and the Birth of Stars* IAU Symposium 182 eds. B. Reipurth and C. Bertout, Kluwer Academic, p. 275. 1997
146. Outflows from Magnetic Rotators I: Inner Structure (with T. Lery, J. Heyvaerts & S. Appl) *A&A*, 337, 603, 1998
147. Triaxial Halos and Cusps ( with Stein Sigurdsson, Chris Mihos, and Lars Hernquist), *PASP*, 136, 388, 1998
148. The ROSAT Deep Cluster Survey: The X-ray Luminosity Function out to  $z=0.8$  (with P. Rosati, R. Della Cecca, and R. Giacconi), *ApJ*, 492, L21, 1998
149. The Global Structure and Evolution of a Self-Gravitating Multi-Phase Interstellar Medium in a Galactic Disk (with K. Wada), *Astrophys. J.Letters* , *ApJ*, L13, 1999
150. Cosmological Constraints from the ROSAT Deep Cluster Survey (with S. Borgani, P. Rosati, P. Tozzi), *ApJ*, 517, 40, 1999

151. Global Evolution of a Self-Gravitating Multi-Phase ISM in the Central Kpc Region of Galaxies (with K. Wada) in *The Formation of Bulges*, eds. C.M. Carollo, H.C. Ferguson, and R.F.G. Wyse, p. 152, Cambridge University Press, Cambridge, 1999
152. Evolution of a Self-Gravitating Multi-Phase ISM (with K. Wada), Moriond Conference on Dwarf Galaxies and Cosmology, XXXIII Recontres de Moriond, eds. T.X. Thuan, C. Balkowski, Z. Cayette and J. Tran Van, p.467, 1999
153. Outflows from Magnetic Rotators II: Asymptotic Structure and Collimation (with T. Lery, J. Heyvaerts, S. Appl), *A&A*, 347, 1055, 1999
154. Evolution of the Cluster Abundance from the ROSAT Deep Cluster Survey ( with Borgani, S., Rosati, P., Tozzi, P.) Proceedings of the International Workshop on: “Observational Cosmology: the Development of Galaxy Systems”, held in Sesto Pusteria (Bolzano, Italy) June 30th - July 3rd, 1998, *PASP Conf*, 176, 40, 1999
155. The WAXS/WFXT MISSION (Chincarini et al), astro-ph/9902184, and Proceedings of the International Workshop on: *Observational Cosmology: the Development of Galaxy Systems*, Sesto Pusteria (Bolzano, Italy) June 30th - July 3rd, 1998, *PASP Conf*, 176, 223, 1999
156. The AXAF Deep Field ( with R. Giacconi, P. Rosati, R. Burg, R. Gilmozzi, M. Tarenghi, and J. Bergeron) in *Highlights in X-ray Astronomy*, Trumper Symposium, Garching, eds B. Aschenbach and M. Freyberg, *MPE*, 272, 419, 1999
157. Global Star Formation in the Multi-Phase ISM ( with K. Wada, S. Kim, M. Spaans), in *Star Formation 99*, ed. T. Nakamoto, NRO, p. 36, 1999
158. The ROSAT Deep Cluster Survey: Probing the Galaxy Cluster Population out to  $z=1.3$  ( with P. Rosati, C. Lidman, R. Della Cecca, S. Borgani, M. Lombardi, Stanford, S.A., Eisenhardt, P.R., Squires, G.& Giacconi,R), *The Messenger*, 99, 26, 2000
159. Hubble Space Telescope/WFPC2 and VLA Observations of the Ionized Gas in the Dwarf Starburst Galaxy ( with J. Mackenty, J. Maiz-Apellaniz, C. Pickens & N. Walborn) *NGC 4214 AJ*, 120, 3007, 2000
160. Detection of the Entropy of the Intergalactic Medium: Accretion Shocks in Clusters, Adiabatic Cores in Groups (with P.Tozzi and C. Scharf) *ApJ*, 542, 106, 2000
161. Hubble Space Telescope Observations of the Associated Absorption-Line Systems in Q)122+0338 ( with C. Papovich, D. Bowen, T. Heckman, S. Savaglio, A. Koekemoer & J.C. Blades) *ApJ*, 531, 645, 2000

162. The Virtues of X-ray Clusters & the Entropy of Cosmic Baryons ( with P. Tozzi) in *Large Scale Structure in the X-ray Universe* eds.M. Plionis & I Georgantopolous Atlantisciences, Paris, France, p.89, 2000
163. The ROSAT Deep Cluster Survey: Constraints on Cosmology (with S. Borgani, P. Rosati, R. della Cecca & P. Tozzi) in *Large Scale Structure in the X-ray Universe* eds.M. Plionis & I Georgantopolous, Atlantisciences, Paris, France, p.167, 2000
164. The Connection between X-Ray Clusters and Star Formation ( with P. Tozzi)in *From Extra Solar Planets to Cosmology: The VLT Opening Symposium*, Proceedings of the ESO Symposium, Antofagosta, eds. J. Bergeron & A. Renzini Berlin, Springer-Verlag, p. 180, 2000
165. Asymptotic Structure of MHD Winds and Jets ( with J. Heyvaerts), *Astronomical and Astrophysical Transactions*, bf 19, 1-190, Gordon & Breach, in press, 2001
166. Numerical Models of the Multi-Phase Interstellar Matter with Stellar Energy Feedback on a Galactic Scale ( with K. Wada), *ApJ*, 547, 172, 2001
167. The Evolution of X-ray Clusters and the Entropy of the Intracluster Medium (with P.Tozzi), *ApJ*546, 63, 2001
168. First Results from the X-ray and Optical Survey of the Chandra Deep Field South (with R. Giacconi, P. Rosati, P. Tozzi, M. Nonino, G. Hasinger, J. Bergeron, S. Borgani, R. Gilli, R. Gilmozzi & W. Zheng), *ApJ*, in press, 2001
169. New Results from the X-Ray and Optical Survey of the Chandra Deep Field South: The 300ksec Exposure (with P. Tozzi et al. ), *ApJ*, submitted, 2001
170. Intergalactic Propagation of UHE Cosmic Rays (with A. Achterberg, Y. Gallant, D.B. Melrose), *MNRAS*, submitted, 2001
171. On the Origin of Quasi-Periodic Oscillations and Broadband Noise in Accreting Neutron Stars and Black Holes (with D. Psaltis), *ApJ*, submitted, 2001