

# Marek A. Abramowicz: research articles published in refereed journals, books, and proceedings

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1. **M.A. Abramowicz**  
**A Remark about the  $m(z)$  Relations for Quasars**  
*Acta Astronomica*, 19, 225, (1969)

---

2. **M.A. Abramowicz**  
**Variational Principle for Differentially Rotating Relativistic Stars**  
*Astrophysical Letters*, 7, 73,(1970)

---

3. **M.A. Abramowicz**  
**The Relativistic von Zeipel's Theorem**  
*Acta Astronomica*, 21, 81, (1971)

---

4. **M.A. Abramowicz**  
**A Note about the Stability of the Differentially Rotating Relativistic Stars**  
*Acta Astronomica*, 21, 221, (1971)

---

5. **M.A. Abramowicz**  
**Theory of Level Surfaces Inside Relativistic Rotating Stars**  
*Acta Astronomica*, 21, 449, (1971)

---

6. **M.A. Abramowicz**  
**Theory of Level Surfaces Inside Relativistic Rotating Stars II**  
*Acta Astronomica*, 24, 45, (1971)

---

7. **M.A. Abramowicz and J.-P. Lasota**  
**A Note of a Paradoxical Property of the Schwarzschild Solution**  
*Acta Physica Polonica*, B5, 327, (1974)

---

8. **M.A. Abramowicz, J.-P. Lasota and B. Muchotrzeb**  
**On Fitting Rotating Bodies to Exterior Gravitational Fields**  
*Communications in Mathematical Physics*, 47, 109, (1976)

---

9. **M.A. Abramowicz and B. Muchotrzeb**  
**The Comoving Coordinate Frame for Differentially Rotating Relativistic Bodies**  
*General Relativity and Gravitation*, 7, 371, (1976)

---

10. **M.A. Abramowicz, and R.V. Wagoner**  
**Variational Analysis of Rotating Neutron Stars**  
*The Astrophysical Journal*, 204, 896, (1976)

---

11. **M.A. Abramowicz, and R.V. Wagoner**  
**Analytic properties of relativistic, rotating bodies**  
*The Astrophysical Journal*, 216, 86, (1977)

---

12. **M.A. Abramowicz, M. Jaroszyński and M. Sikora**  
**Relativistic Accreting Disks**  
*Astronomy and Astrophysics*, 63, 221, (1978)

---

13. **M. Kozłowski, M.A. Abramowicz, and M. Jaroszyński**  
**The Analytic Theory of Fluid Disks Orbiting the Kerr Black Hole**  
*Astronomy and Astrophysics*, 63, 209, (1978)

- 
14. **M.A. Abramowicz and R.V. Wagoner**  
Slowly Rotating Relativistic Stars  
**The Astrophysical Journal, 226, 1063, (1978)**
- 
15. **M.A. Abramowicz and M. Calvani**  
Spinning Particles Orbiting the Kerr Black Hole  
**Monthly Notices of the Royal astronomical Society, 169, 21, (1979)**
- 
16. **Jaroszyński, M.A. Abramowicz and B. Paczyński**  
Supercritical Accretion Disks  
**Acta Astronomica, 30, 1, (1980)**
- 
17. **M.A. Abramowicz and J.-P. Lasota**  
Spin-up of the Black Holes by Thick Accretion Disks  
**Acta Astronomica, 30, 35, (1980)**
- 
18. **M.A. Abramowicz, T. Piran**  
On collimation of relativistic jets from quasars  
**The Astrophysical Journal Letters, 241, L7, (1980)**
- 
19. **M.A. Abramowicz, M. Calvani and L. Nobili**  
Thick Accretion Disks with Supercritical Luminosities  
**The Astrophysical Journal, 242, 772, (1980)**
- 
20. **M.A. Abramowicz and W.H. Żurek**  
Rotation Induced Bistability of Transonic Accretion onto a Black Hole  
**The Astrophysical Journal, 264, 314, (1981)**
- 
21. **M.A. Abramowicz**  
Innermost Parts of Accretion Disks Are Thermally and Secularly Stable  
**Nature, 294, 235, (1981)**
- 
22. **M.A. Abramowicz**  
Twinkle, twinkle quasi star ...  
**Nature, 298, 789, (1982)**  
**This News and Views article was commissioned by the Editors of Nature**
- 
23. **M.A. Abramowicz**  
Vorticity Free Rings Orbiting Black Holes. I. The Metric  
**The Astrophysical Journal, 254, 748, (1982)**
- 
24. **M.A. Abramowicz**  
Relativistic Jets from Black-Holes  
**The Observatory, 102, 132, (1982)**
- 
25. **B. Paczyński and M.A. Abramowicz**  
A Model of a Thick Accretion Disk with Equatorial Accretion  
**The Astrophysical Journal, 253, 897, (1982)**
- 
26. **M.A. Abramowicz and L. Nobili**  
Are There Black Holes in Quasars ?  
**Nature, 300, 506, (1982)**
- 
27. **M.A. Abramowicz, P.F. Henderson and P. Ghosh**  
Evolution of Accretion Tori Orbiting Black Holes. I. Theory  
**Monthly Notices of the Royal astrophysical Society, 203, 323, (1983)**
- 
28. **M.A. Abramowicz**  
N-dimensional Polytropes  
**Acta Astronomica, 33, 313, (1983)**
- 
29. **M.A. Abramowicz**  
Why Does U Geminorum Erupt?

**Nature, 302, 12, (1983)**

**This News and Views article was commissioned by the Editors of Nature**

---

30. **M.A. Abramowicz and N.A. Sharp**  
Jets of Moderate Optical Thickness from Thick Accretion Disks  
**Astrophysics and Space Science, 96, 431, (1983)**

---

31. **M.A. Abramowicz and G. Bath**  
**How the Wind Blows?**  
**Nature, 305, 666, (1983)**  
**This News and Views article was commissioned by the Editors of Nature**

---

32. **M.A. Abramowicz**  
Theory of Thick Accretion Disks  
**The Observatory, 103, 52, (1983)**

---

33. **M.A. Abramowicz, M. Calvani, L. Nobili**  
Runaway instability in accretion disks orbiting black holes  
**Nature, 302, 597, (1983)**

---

34. **M.A. Abramowicz, M. Livio, T. Piran and P.J. Wiita**  
Local Stability of Thick Accretion Disks. I.  
Basic Equations and Parallel Perturbations in the Negligible Viscosity Case  
**The Astrophysical Journal, 297, 367, (1984)**

---

35. **M.A. Abramowicz**  
A Note on the Geometrical Thickness of the Accretion Flow Close to the Black Hole  
**Publications of the Astronomical Society of Japan, 37, 727, (1985)**

---

36. **M.A. Abramowicz and J.-P. Lasota**  
On Travelling Round without Feeling It  
and Uncurving Curves  
**The American Journal of Physics, 54, 936, (1986)**

---

37. **M.A. Abramowicz and M. Brown**  
**Quotation Patterns in Space Research**  
**Astrophysical Letters, 25, (1986)**

---

38. **M.A. Abramowicz**  
**Fred Hoyle**  
**Encyclopedia Universalis, Paris, (1987)**  
**This article was commissioned by the Editor.**

---

39. **M.A. Abramowicz, O.M. Blaes and P. Ghosh**  
A New Example of Papaloizou and Pringle Instability  
**The Astrophysical Journal, 323, 629, (1987)**

---

40. **M.A. Abramowicz, M. Calvani and P. Madau**  
Thick accretion disks - Theory vs. observations  
**Comments on Astrophysics, 12, 67, (1987)**  
**This article was commissioned by the Editors**

---

41. **M.A. Abramowicz**  
Accretion Research: How It Started  
**The Observatory, 107, 245, (1987)**

---

42. **J.F. Lu and M.A. Abramowicz**  
Bimodal Character of Black Hole Accretion  
**Acta Astrophysica Sinica, 8, 1, (1988)**

---

43. **M.A. Abramowicz, B. Czerny, J.-P. Lasota and E. Szuszkiewicz**  
Slim Accretion Disks  
**The Astrophysical Journal, 332, 646, (1988)**  
**This paper has introduced SLIM DISKS to astrophysics. It is my most**

quoted paper.

- 
44. **M.A. Abramowicz, B. Carter and J.-P. Lasota**  
Optical Reference Geometry for Stationary and Static Dynamics  
**General Relativity and Gravitation, 20, 1173, (1988)**
- 
45. **M.A. Abramowicz**  
Accretion Disks Ten Years After  
**Advances in Space Research, 8, 2, (1988)**
- 
46. **A. Treves, L. Maraschi and M.A. Abramowicz**  
Basic Elements of the Theory of Accretion  
**Publications of the Astronomical Society of the Pacific, 100, 427, (1988)**  
This Centennial Review was commissioned by the Editors.
- 
47. **M.A. Abramowicz**  
Eddington Number and Eddington Luminosity  
**The Observatory, 108, 19, (1988)**
- 
48. **M.A. Abramowicz and S. Kato**  
Constraints for Transonic Black Hole Accretion  
**The Astrophysical Journal, 336, 304, (1989)**
- 
49. **M.A. Abramowicz, S. Kato and R. Matsumoto**  
Numerical Models of Slim Accretion Disks  
**Publications of the Astronomical Society of Japan, 41, 1215, (1989)**
- 
50. **M.A. Abramowicz, P. Amandt and A. Lanza**  
Baroclinic Toroidal Figures of Equilibrium  
**The Astrophysical Journal, 343, 437, (1989)**
- 
51. **M.A. Abramowicz and S. Chakrabarti**  
Standing Shocks Around Black Holes  
**The Astrophysical Journal, 350, 281, (1989)**
- 
52. **M.A. Abramowicz and G.F.R. Ellis**  
The Elusive Anthropic Principle  
**Nature, 337, 411, (1989)**  
This News and Views article was commissioned by the Editors of Nature.
- 
53. **M.A. Abramowicz**  
Centrifugal Force: A Few Surprises  
**Monthly Notices of the Royal astronomical Society, 245, 733, (1990)**
- 
54. **M.A. Abramowicz and J.C. Miller**  
Ellipticity Behaviour of Relativistic Mclaurin Spheroids  
**Monthly Notices of the Royal astronomical Society, 245, 729, (1990)**
- 
55. **M.A. Abramowicz and A.R. Prasanna**  
Centrifugal Force Reversal in Schwarzschild Geometry  
**Monthly Notices of the Royal astronomical Society, 245, 720, (1990)**
- 
56. **M.A. Abramowicz, G.R.F. Ellis and A. Lanza**  
Relativistic Effects in Superluminal Jets and Neutron Star Winds  
**The Astrophysical Journal, 361, 470, (1990)**
- 
57. **M.A. Abramowicz, M. Livio, N. Soker and E. Szuszkiewicz**  
Local stability of Thick Accretion Disks.  
II Viscous and Radiative Effects  
**Astronomy and Astrophysics, 239, 399, (1990)**
- 
58. **P. Ghosh and M.A. Abramowicz**  
Nonaxisymmetric Instabilities in Rotating Shear Flows:  
Internal Gravity Modes in Stratified Media and Analogies with Plane Flows

**The Astrophysical Journal, 366, 221, (1991)**

---

59. **M.A. Abramowicz, I.D. Novikov and B. Paczyński**  
The Appearance of Highly Relativistic, Spherically Symmetric Stellar Winds  
**The Astrophysical Journal, 369, 175, (1991)**
- 
60. **M.A. Abramowicz, G. Bao, A. Lanza and X.-H. Zhang**  
X-ray Variability Power Spectra of Active Galactic Nuclei  
**Astronomy and Astrophysics, 245, 454, (1991)**
- 
61. **F. Honma, R. Matsumoto, S. Kato and M.A. Abramowicz**  
Stability of Slim, Transonic Accretion Disk Models  
**Publications of the Astronomical Society of Japan, 43, 261, (1991)**
- 
62. **M.A. Abramowicz and J. Bičak**  
The Interplay between Relativistic Gravitational, Centrifugal and Electric Forces: a Simple Example  
**General Relativity and Gravitation, 23, 941, (1991)**
- 
63. **M.A. Abramowicz, A.Lanza, E. Spiegel and E. Szuszkiewicz**  
Vortices on Accretion Disks  
**Nature, 356, 41, (1992)**
- 
64. **F. Wallinder, S. Kato and M.A. Abramowicz**  
Variability of Active Galactic Nuclei  
**Astronomy and Astrophysics Reviews, 4, 79, (1992)**  
**This review was commissioned by the Editors.**
- 
65. **M.A. Abramowicz, J. Miller, and Z. Stuchlík**  
Concept of Radius of Gyration in General Relativity  
**Physical Review D, 47, 1440, (1993)**
- 
66. **M.A. Abramowicz**  
Black Holes and Centrifugal Force Paradox  
**Scientific American, March, (1993)**  
**This article was translated into eight languages: German, French, Italian, Spanish, Chinese, Japanese, Arabic, Polish.**
- 
67. **M.A. Abramowicz and E. Szuszkiewicz**  
The Wall of Death, American Journal of Physics  
**American Journal of Physics, 61, 982, (1993)**
- 
68. **M.A. Abramowicz, J. Papaloizou, and E. Szuszkiewicz**  
The Convective Stability of a Thin Viscous Disk  
**Geophysical and Astrophysical Fluid Dynamics, 70, 215, (1993)**
- 
69. **M.A. Abramowicz, G. Bao, A. Lanza and V. Karas**  
Similarity of the Variability Patterns in the Exosat and Ginga Folded Light Curves of the Seyfert Galaxy NGC 6814  
**Astronomy and Astrophysics, 272, 400, (1993)**
- 
70. **M.A. Abramowicz, P. Nurowski and N. Wex**  
Covariant Definition of Inertial Forces  
**Classical and Quantum Gravity, 10, L183, (1993)**
- 
71. **M.A. Abramowicz**  
Relativity of inwards and outwards - an example  
**Monthly Notices of the Royal astronomical Society, 256, 710, (1994)**
- 
72. **M.A. Abramowicz, X. Chen, S. Kato, J.-P. Lasota, and O. Regev**  
Thermal Equilibria of Accretion Disks  
**The Astrophysical Journal Letters, 438, L37, (1995)**  
**This is the one of the two original ADAF papers. At the ISI Web of 1999 Science Celebration in Stockholm, this paper has been designated as a**

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73. **M.A. Abramowicz, P. Nurowski and N. Wex**  
Optical Reference Geometry for Stationary and Axially Symmetric Spacetimes  
**Classical and Quantum Gravity, 12, 1467, (1995)**
- 
74. **X. Chen, M.A. Abramowicz, J.-P. Lasota, R. Narayan, and I. Yi**  
Unified Description of Accretion Flows Around Black Holes  
**The Astrophysical Journal Letters, 443, L61, (1995)**
- 
75. **M.A. Abramowicz and J.-P. Lasota**  
Advection-Dominated Flows: Comments on a Workshop on Slim Accretion Disks and Boundary Layers  
**Comments on Astrophysics, 18, 141 (1995)**  
**These comments have been commissioned by the Editors.**
- 
76. **M.A. Abramowicz, X. Chen and R. Taam**  
The evolution of accretion disks with coronae: A model for the low-frequency quasi-periodic oscillations in X-ray binaries  
**The Astrophysical Journal, 452, 379 (1995)**
- 
77. **J.-P. Lasota, P. Haensel and M.A. Abramowicz**  
Fast Rotation of Neutron Stars  
**The Astrophysical Journal, 456, 300, (1996),**
- 
78. **I.V. Igumenshchev, X. Chen, M.A. Abramowicz,**  
Accretion Discs around Black Holes: Two-Dimensional, Advection-Cooled Flows  
**Monthly Notices of the Royal astronomical Society, 278, 236, (1996)**
- 
79. **S. Nishida, A. Lanza, Y. Eriguchi and M.A. Abramowicz,**  
Runaway Instability and Gamma-Ray Bursts  
**Mothly Notices of the Royal astronomical Society, 278, L41, (1996)**
- 
80. **E. Szuszkiewicz, M. Malkan and M.A. Abramowicz,**  
The observational apperance of slim accretion disks  
**The Astrophysical Journal, 458, 474, (1996)**
- 
81. **M.A. Abramowicz and G. Bao**  
Anticorrelation of variability amplitude with X-ray luminosity for active galactic nuclei  
**The Astrophysical Journal, 465, 646, (1966)**
- 
82. **S. Kato, M.A. Abramowicz and X. Chen**  
Thermal instability of advection-dominated disks against local perturbations  
**Publications of the Astronomical Society of Japan, 48, 96 (1996)**
- 
83. **J.-P. Lasota, M.A. Abramowicz, X. Chen, J. Krolik, R. Narayan and I. Yi**  
Is accretion flow in NGC 4258 advection dominated?  
**The Astrophysical Journal, 462, 142 (1966)**
- 
84. **M.A. Abramowicz, Brandenburg and J.-P. Lasota**  
The dependence of the viscosity in accretion discs on the shear-vorticity ratio  
**Monthly Notices of the Royal astronomical Society, 281, L21 (1996)**
- 
85. **G. Björnsson, M.A. Abramowicz, X. Chen and J.-P. Lasota**  
Hot accretion disks revisited  
**The Astrophysical Journal, 467, 99 (1996)**
- 
86. **M.A. Abramowicz, A.M. Beloborodov, X. Chen and I.V. Igumenshchev**  
Special relativity and the pseudo-Newtonian potential  
**Astronomy and Astrophysics, 313, 334 (1996)**
- 
87. **M.A. Abramowicz, X. Chen, M. Granath, and J.-P. Lasota**

Advection dominated Accretion Flows around Kerr Black Holes  
**The Astrophysical Journal, 471, 762, (1996)**

---

88. **M.A. Abramowicz, A. Lanza and M.J. Percival**  
Advection disks around Kerr Black Holes: Vertical Equilibrium Revisited  
**The Astrophysical Journal, 479, 179, (1997)**
- 
89. **S. Kato, T. Yamasaki, M.A. Abramowicz and X. Chen**  
Thermal Instability of Advection-Dominated Disks against Revised Local Perturbations  
**Publications of the Astronomical Society of Japan, 49, 221, (1997)**
- 
90. **M.A. Abramowicz, X. Chen, R.E. Taam, and I.V. Igumenshchev**  
On the morphology of accretion flows with small non-zero angular momentum  
**Monthly Notices of the Royal astronomical Society, 285, 439 (1997)**
- 
91. **M.A. Abramowicz, A. Lanza, J. Miller and S. Sonego**  
Curving Newtonian Space  
**General Relativity and Gravitation, 29, 1583 (1997)**
- 
92. **M.A. Abramowicz, A. Beloborodov and I. Novikov**  
Inertia of Heat in Advective Accretion Disks around Kerr Black Holes  
**The Astrophysical Journal, 491, 267 (1997)**
- 
93. **M.A. Abramowicz, B. Gang, S. Larsson and P. Witta**  
On the Variability Coherence Observed in Black Hole Candidates at Different X-Ray Energies  
**The Astrophysical Journal, 489, 891 (1997)**
- 
94. **M.A. Abramowicz, N. Andersson, M. Bruni, P. Ghosh, and S. Sonego**  
Gravitational waves from ultracompact stars: the optical geometry view of trapped modes  
**Classical and Quantum Gravity, 14, L189 (1997)**
- 
95. **M.A. Abramowicz and J.-P. Lasota**  
A brief story of a straight circle  
**Classical and Quantum Gravity, 14, A23 (1997)**
- 
96. **J.-P. Lasota and M.A. Abramowicz**  
Cet object obscur: le trou noir  
**Classical and Quantum Gravity, 14, A237 (1997)**
- 
97. **M.A. Abramowicz and M.J. Percival**  
Thermal equilibria of accretion discs around black holes: a review of the recent progress  
**Classical and Quantum Gravity, 14, 2003, (1997)**  
**This review was commissioned by the Editors.**
- 
98. **P. Ghosh and M.A. Abramowicz**  
Electromagnetic extraction of rotational energy from disc-fed black holes: the strength of the Blandford-Znajek process  
**Monthly Notices of the Royal astronomical Society, 292, 887 (1997)**
- 
99. **M.A. Abramowicz, V. Karas and A. Lanza**  
On the runaway instability of relativistic tori  
**Astronomy and Astrophysics, 331, 1143 (1998)**
- 
100. **M.A. Abramowicz, I. Igumenshchev and J.-P. Lasota**  
A note on the conditions for SSD-ADAF transitions  
**Monthly Notices of the Royal astronomical Society, 293, 443, (1998)**
- 
101. **S. Kristiansson, S. Sonego and M.A. Abramowicz**  
Optical Space of the Reissner-Nordström Solutions  
**General Relativity and Gravitation, 30, 275, (1998)**
-

- 102. S. Sonego and M.A. Abramowicz**  
Maxwell equations and the optical geometry  
**Journal of Mathematical Physics, 39, 3158 (1998)**

---
- 103. I.V. Igumenshchev, A.F. Illarionov and M.A. Abramowicz**  
Hard X-Ray-emitting Black Hole Fed by Accretion of Low Angular Momentum Matter  
**The Astrophysical Journal Letters, 517, 55L (1999)**

---
- 104. M.A. Abramowicz**  
Gravitational radiation in optical geometry applied to super-compact stars  
**Physics Reports, 311, 325 (1999)**

---
- 105. I.V. Igumenshchev and M.A. Abramowicz**  
Rotating accretion flows around black holes: convection and variability  
**Monthly Notices of the Royal astronomical Society, 103, 309 (1999)**

---
- 106. V. Karas, B. Czerny, Abrassart and M.A. Abramowicz**  
A cloud model of active galactic nuclei: the iron Ka line diagnostics  
**Monthly Notices of the Royal astronomical Society, 318, 547 (2000)**

---
- 107. I.V. Igumenshchev and M.A. Abramowicz**  
Two-dimensional Models of Hydrodynamical Accretion Flows into Black Holes  
**The Astrophysical Journal, Supplement Series, 130, 463 (2000)**

---
- 108. R. Narayan, I.V. Igumenshchev and M.A. Abramowicz**  
Self-similar Accretion Flows with Convection  
**The Astrophysical Journal, 539, 798 (2000)**

---
- 109. I.V. Igumenshchev, M.A. Abramowicz and R. Narayan**  
Numerical Simulations of Convective Accretion Flows in Three Dimensions  
**The Astrophysical Journal Letters, 537, 27L (2000)**

---
- 110. M.A. Abramowicz, J.-P. Lasota and I.V. Igumenshchev**  
On the absence of winds in advection-dominated accretion flows  
**Monthly Notices of the Royal astronomical Society, 314 775 (2000)**

---
- 111. M.A. Abramowicz, G. Björnsson and I.V. Igumenshchev**  
Accretion Disks Phase Transitions: 2-D or Not 2-D?  
**Publications of the Astronomical Society of Japan, 52, 295 (2000)**

---
- 112. S. Sonego, J. Almergren M.A. Abramowicz**  
Optical geometry for gravitational collapse and Hawking radiation  
**Physical Review D, 62, 4010 (2000)**

---
- 113. M.A. Abramowicz, W. Kluźniak, J.-P. Lasota**  
The centrifugal force reversal and X-ray bursts  
**Astronomy and Astrophysics, 374, L16 (2001)**

---
- 114. M.A. Abramowicz, I.V. Igumenshchev**  
How Dim Could Accreting Black Holes Be?  
**The Astrophysical Journal Letters 554, 53L (2001)**

---
- 115. M.A. Abramowicz, W. Kluźniak**  
A precise determination of black hole spin in GRO J1655-40  
**Astronomy and Astrophysics, 374, L19 (2001)**

---
- 116. W. Kluźniak and M.A. Abramowicz**  
Strong field gravity and orbital resonance in black holes and neutron stars --- kHz quasi periodic oscillations  
**Acta Physica Polonica B, B32, 3605 (2001)**

---
- 117. M.A. Abramowicz, L. Rezzolla, S. Yoshida**  
General relativistic Rossby-Haurwitz waves of a slowly and differentially rotating fluid shell



**Classical and Quantum Gravity, 19, 191 (2002)**

---

- 118. M.A. Abramowicz, I.V. Igumenshchev, E. Quataert, R. Narayan**  
On the Radial Structure of Radiatively Inefficient Accretion Flows with Convection  
**The Astrophysical Journal 565, 1101 (2002)**
- 
- 119. R. Narayan, E. Quataert, I.V. Igumenshchev, M.A. Abramowicz**  
The Magnetohydrodynamics of Convection-dominated Accretion Flows  
**The Astrophysical Journal 577, 295 (2002)**
- 
- 120. M.A. Abramowicz, I. Bengtsson, V. Karas, K. Rosquist**  
Poincare ball embeddings of the optical geometry  
**Classical and Quantum Gravity 19, 3963 (2002)**
- 
- 121. M.A. Abramowicz, G.J.E Almergren, W.Kluzniak, A.V Thampan and F. Wallinder**  
Holonomy invariance, orbital resonances and kilohertz QPOs  
**Classical and Quantum Gravity 19, L57 (2002)**
- 
- 122. M.A. Abramowicz, W.Kluzniak, and J.-P. Lasota**  
No observational proof of the black-hole event-horizon  
**Astronomy and Astrophysics 396, L31 (2002)**
- 
- 123. M.A. Abramowicz, and W.Kluzniak**  
Epicyclic Orbital Oscillations in Newton's and Einstein's Dynamics  
**General Gravity and Gravitation 31, 69 (2003)**
- 
- 124. M.A. Abramowicz, V. Karas, W. Kluzniak, W.H. Lee, P. Rebusco**  
Non-Linear Resonance in Nearly Geodesic Motion in Low-Mass X-Ray Binaries  
**Publication of Astronomical Society of Japan 55, 467 (2003)**
- 
- 125. M.A. Abramowicz, T. Bulik, M. Bursa, W. Kluzniak**  
Evidence for a 2:3 resonance in Sco X-1 kHz QPOs  
**Astronomy & Astrophysics Letters 404, 21 (2003)**
- 
- 126. M.A. Abramowicz**  
Book Review: Black Hole Gravitohydromagnetics. By Brian Punsly. 395p. Springer-Verlag, Heidelberg, 2001  
**General Relativity and Gravitation 35, 113 (2003)**
- 
- 127. I.V. Igumenshchev, R. Narayan, M.A. Abramowicz**  
Three-dimensional Magnetohydrodynamic Simulations of Radiatively Inefficient Accretion Flows  
**The Astrophysical Journal 592, 104 (2003)**
- 
- 128. R. Narayan, I.V. Igumenshchev, M.A. Abramowicz**  
Magnetically Arrested Disk: an Energetically Efficient Accretion Flow  
**Publications of Astronomical Society of Japan Letters 55, 55 (2003)**
- 
- 129. W.H. Lee, M.A. Abramowicz, W. Kluzniak**  
Resonance in Forced Oscillations of an Accretion Disk and Kilohertz Quasi-periodic Oscillations  
**The Astrophysical Journal Letters 603, 93 (2004)**
- 
- 130. W. Kluzniak, M.A. Abramowicz, S. Kato, W.H. Lee, N. Stergioulas**  
Nonlinear Resonance in the Accretion Disk of a Millisecond Pulsar  
**The Astrophysical Journal Letters 603, 89 (2004)**
-