Curriculum Vitae

Eliot Quataert

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ACADEMIC POSITIONS

7/08 – present	Professor of Astronomy and Physics, UC Berkeley
7/08 – present	Thomas and Alison Schneider Chair in Physics, UC Berkeley
7/06 – present	Director, Theoretical Astrophysics Center, UC Berkeley
7/05 – 7/08	Associate Professor of Astronomy, UC Berkeley
7/01 – 7/05	Assistant Professor of Astronomy, UC Berkeley
9/99 – 7/01	Long Term (5-Year) Member, Institute for Advanced Study

EDUCATION

9/96-8/99	Harvard University, M.A. & Ph.D. in Astronomy
9/91-6/95	Massachusetts Institute of Technology, B.S. in Physics

RESEARCH INTERESTS

I am an astrophysical theorist with interests in a wide variety of problems, including compact objects, plasma astrophysics, stellar physics, and galaxy formation. My research utilizes both analytic calculations and numerical simulations, with the latter typically being carried out in collaboration with students or postdocs.

PUBLIC OUTREACH

I regularly give non-technical talks describing the physics and astrophysics of black holes and galaxy formation to the public, community colleges, and amateur astronomical societies.

SELECTED PROFESSIONAL ACTIVITIES

- Member, National Academies of Science Astro2010 Science Frontier Panel
- Executive Committee, Topical Group on Plasma Astrophysics (American Physical Society)
- Member, National Resource Council's Plasma Science Committee
- Member, National Academies of Science Plasma2010 Panel
- Member of numerous observational time allocation committees; fellowship selection committees; conference organizing committees; and NSF, NASA, and DOE grant reviews

SELECTED FELLOWSHIPS and AWARDS

2009	Fellow of the American Physical Society
	For numerous pioneering contributions to theoretical astrophysics and plasma physics, including investigations into the role of convection and instabilities in accretion flows, the discovery of the heat-flux-buoyancy instability, and studies of kinetic plasma turbulence and its dissipation
2009	Miller Research Professorship (Berkeley)
2008	Helen B. Warner Prize (American Astronomical Society)
	For his contributions to plasma astrophysics and accretion processes, the theory of low luminosity galactic nuclei, and an extraordinary range of other topics in theoretical astrophysics
2005	Bart J. Bok Prize in Astronomy (Harvard)
	For outstanding research by a recent graduate of the Harvard Dept. of Astronomy
2003	Packard Fellowship for Science and Engineering
2003	Hellman Faculty Fund Award (Berkeley)
2002	Alfred P. Sloan Research Fellowship
1999-2001	Chandra Fellowship
1997	Margaret Weyerhaeuser Jewett Memorial Fellowship (Harvard)
1996-1999	National Science Foundation Graduate Research Fellowship
1995	Joel M. Orloff Award for Outstanding Scholastic Achievement in Physics (MIT)
1994-1995	Barry M. Goldwater Scholarship
1993-1994	Burchard Scholar (MIT)
1993	Leslie C. Patron Award for Research in Astrophysics (MIT)

PUBLICATIONS IN REFEREED JOURNALS

1. N. N. Weinberg, **E. Quataert**, & P. Arras, 2010, "Nonlinear Tides in Close Binary Systems," MNRAS in prep
2. P. F. Hopkins & **E. Quataert**, 2010, "How do Massive Black Holes Get Their Gas?" MNRAS in prep
3. J. Debuhr, **E. Quataert**, C. P. Ma, & P. F. Hopkins, 2010, "Self-Regulated Black Hole Growth via Momentum Deposition in Galaxy Merger Simulations," MNRAS Letters, submitted
4. B. D. Metzger, A. Arcones, **E. Quataert**, & G. Martnez-Pinedo, 2009, "The Effects of R-process Heating on Fall-back Accretion in Compact Object Mergers," MNRAS submitted
5. N. Murray, **E. Quataert**, & T. A. Thompson, 2010, "The Disruption of Giant Molecular Clouds by Radiation Pressure and the Efficiency of Star Formation in Galaxies," MNRAS submitted
6. H. B. Perets, A. Gal-Yam, et al., 2009, "A New Type of Stellar Explosion," Nature submitted
7. B. C. Lacki, T. A. Thompson, & **E. Quataert**, 2009, "The Physics of the FIR-Radio Correlation: I. Calorimetry, Conspiracy, and Implications," ApJ submitted
8. P. Chang, L. E. Strubbe, K. Menou, & **E. Quataert**, 2009, "Fossil Gas and the Electromagnetic Precursor of Supermassive Binary Black Hole Mergers," MNRAS submitted
9. B. D. G. Chandran, **E. Quataert**, G. G. Howes, Q. Xia, & P. Pongkitiwanichakul, 2009, "Constraining Low-Frequency Alfvénic Turbulence in the Solar Wind using Density Fluctuation Measurements," ApJ, in press
10. S. D. Bale, J. C. Kasper, G. G. Howes, **E. Quataert**, C. Salem, & D. Sundkvist, 2009, "Magnetic Fluctuation Power near Proton Temperature Anisotropy Thresholds in the Solar Wind," PRL in press
11. R. Lehe, I. J. Parrish, & **E. Quataert**, 2009, "The Heating of Test Particles in Numerical Simulations of Alfvénic Turbulence," ApJ, in press
12. G. G. Howes & **E. Quataert**, 2009, "On the Interpretation of Magnetic Helicity Signatures in the Dissipation Range of Solar Wind Turbulence," ApJ Letters, in press
13. P. F. Hopkins, N. Murray, **E. Quataert**, & T. A. Thompson, 2009, "A Maximum Stellar Surface Density in Dense Stellar Systems," MNRAS Letters in press
14. P. Chang & **E. Quataert**, 2009, "Buoyancy Instabilities in Degenerate, Collisional Magnetized Plasmas," MNRAS in press
15. P. F. Hopkins, D. Keres, C.P. Ma, & **E. Quataert**, 2009, "When Should We Treat Galaxies as Isolated?" MNRAS in press
16. L. E. Strubbe & **E. Quataert**, 2009, "Optical Flares from the Tidal Disruption of Stars by Massive Black Holes," MNRAS in press

17. I. J. Parrish, **E. Quataert**, & P. Sharma, 2009, "Anisotropic Thermal Conduction and the Cooling Flow Problem in Galaxy Clusters," ApJ, 703, 96

18. K. L. Shapiro, R. Genzel, **E. Quataert**, et al., 2009, "The SINS Survey: Broad Hα Emission in High-Redshift Star-Forming Galaxies," ApJ, 701, 955

19. P. F. Hopkins, K. Bundy, N. Murray, **E. Quataert**, T. Lauer, & C.P. Ma, 2009, "Compact High-Redshift Galaxies are the Cores of the Most Massive Present-Day Spheroids," MNRAS, 398, 898

20. P. F. Hopkins, R. Hickox, **E. Quataert**, & L. Hernquist, 2009, "Are Most Low-Luminosity AGN Really Obscured?," MNRAS, 398, 333

21. B. D. G. Chandran, **E. Quataert**, G. G. Howes, J. V. Hollweg, & W. Dorland, 2009, "The Turbulent Heating Rate in Strong MHD Turbulence with Nonzero Cross Helicity," ApJ, 701, 652

22. T. A. Thompson, **E. Quataert**, & N. Murray, 2009, "Radio Emission from Supernova Remnants: Implications for Post-Shock Magnetic Field Amplication and the Magnetic Fields of Galaxies," MNRAS, 397, 1410

23. N. Bucciantini, **E. Quataert**, B. D. Metzger, T. A. Thompson, & J. Arons, 2009, "Magnetized Relativistic Jets and Long-Duration GRBs from Magnetar Spindown during Core-Collapse Supernovae," MNRAS, 396, 2038

24. B. D. Metzger, A. L. Piro, & **E. Quataert**, 2009, "Nickel-Rich Outflows from Accretion Disks Formed by the Accretion-Induced Collapse of White Dwarfs," MNRAS, 396, 1659

25. J. F. Drake, P. A. Cassak, M. A. Shay, M. Swisdak, & **E. Quataert**, "A Magnetic Reconnection Mechanism for Ion Acceleration and Abundance Enhancements in Impulsive Flares," 2009, ApJL, 700, L16

26. P. Sharma, B. D. G. Chandran, **E. Quataert**, & I. J. Parrish, 2009, "Buoyancy Instabilities in Galaxy Clusters: Convection due to Adiabatic Cosmic Rays and Anisotropic Thermal Conduction," ApJ, 699, 348

27. B. D. Metzger, A. L. Piro, & **E. Quataert**, 2009, "Neutron-rich Freeze-out in Viscously Spreading Accretion Disks Formed From Compact Object Mergers," MNRAS, 396, 304

28. K. Dodds-Eden, D. Porquet, G. Trap, **E. Quataert**, et al., 2009, "Evidence for X-ray Synchrotron Emission From Simultaneous Mid-IR to X-ray Observations of a Strong Sgr A* Flare," ApJ, 698, 676

29. J. F. Drake et al., 2009, "Ion Heating Resulting from Pickup in Magnetic Reconnection Exhausts," JGR, 114, A05111

30. A. A. Schekochihin, S. C. Cowley, W. Dorland, G. W. Hammett, G. G. Howes, **E. Quataert**, & T. Tatsuno, 2009, "Astrophysical Gyrokinetics: Kinetic and Fluid Turbulent Cascades in Magnetized Weakly Collisional Plasmas," ApJS, 182, 310

31. D. A. Perley, B. D. Metzger, et al., 2009, "GRB 080503: Implications of A Naked Short Gamma-Ray Burst Dominated by Extended Emission," ApJ 696, 1871

32. B. D. Metzger, A. L. Piro, & **E. Quataert**, 2009, "Time Dependent Models of Accretion Disks Formed During Compact Object Mergers," MNRAS, 390, 781

33. P. Sharma, **E. Quataert**, & J. M. Stone, 2008, "Spherical Accretion with Anisotropic Thermal Conduction," MNRAS, 389, 1815

34. N. N. Weinberg & **E. Quataert**, 2008, "Nonlinear Saturation of g-modes in Proto-Neutron Stars: Quieting the Acoustic Engine," MNRAS, 387, L64

35. T. Robishaw, **E. Quataert**, & C. Heiles, 2008, "Extragalactic Zeeman Detections in OH Megamasers," ApJ, 680, 981

36. G. G. Howes, S. C. Cowley, W. Dorland, G. W. Hammett, **E. Quataert**, & A. A. Schekochihin, 2008, "A Model of Turbulence in Magnetized Plasmas: Implications for the Dissipation Range in the Solar Wind," JGR, 113, A05103

37. B. D. Metzger, **E. Quataert**, & T. A. Thompson, 2008, "Short Duration Gamma-ray Bursts with Extended Emission from Proto-Magnetar Spin-Down," MNRAS, 385, 1455

38. I. J. Parrish & **E. Quataert**, 2008, "Nonlinear Simulations of the Heat Flux Driven Buoyancy Instability and its Implications for Galaxy Clusters," ApJ, 677, L9

39. B. D. Metzger, T. A. Thompson, & **E. Quataert**, 2008, "On the Conditions for Neutron-rich Gamma-ray Burst Outflows," ApJ, 676, 1130

40. G. G. Howes, W. Dorland, S. C. Cowley, G. W. Hammett, **E. Quataert**, A. A. Schekochihin, & T. Tatsuno, 2008, "Kinetic Simulations of Magnetized Turbulence in Astrophysical Plasmas," PRL, 100, 6, 065004

41. **E. Quataert**, 2008, "Buoyancy Instabilities in Weakly Magnetized Low Collisionality Plasmas," ApJ, 673, 758

42. M. Boylan-Kolchin, C.P. Ma, & **E. Quataert**, 2008, "Dynamical Friction and Galaxy Merging Timescales," MNRAS, 383, 93

43. N. Bucciantini, **E. Quataert**, J. Arons, B. D. Metzger, & T. A. Thompson, 2008, "Relativistic Jets and Long-Duration Gamma-ray Bursts from the Birth of Magnetars," MNRAS, 383, L25

44. P. Sharma, **E. Quataert**, & J. M. Stone, 2007, "Faraday Rotation in Global Accretion Disk Simulations: Implication for Sgr A*," ApJ, 671, 1696

45. N. Bucciantini, **E. Quataert**, J. Arons, B. D. Metzger, & T. A. Thompson, 2007, "Magnetar Driven Bubbles and the Origin of Collimated Outflows in Gamma-ray Bursts," MNRAS, 380, 1541

46. P. Chang, R. Murray-Clay, E. Chiang, & **E. Quataert**, 2007, "The Origin of the Young Stars in the Nucleus of M31," ApJ, 668, 236

47. P. Sharma, **E. Quataert**, G. W. Hammett, & J. M. Stone, 2007, "Electron Heating in Hot Accretion Flows," ApJ, 667, 714

48. N. J. Turner, **E. Quataert**, & H. W. Yorke, 2007, "Photon Bubbles in the Circumstellar Envelopes of Young Massive Stars," ApJ, 662, 1052

49. P. Chang, **E. Quataert**, & N. Murray, 2007, "From Thin to Thick: the Impact of X-ray Irradiation on Accretion Disks in Active Galactic Nuclei," ApJ, 662, 94

50. L. Desroches, **E. Quataert**, C.P. Ma, & A. West, 2007, "Luminosity Dependence in the Fundamental Plane Projections of Elliptical Galaxies," MNRAS, 377, 402

51. B. Johnson & **E. Quataert**, 2007, "The Effects of Thermal Conduction on Radiatively-Inefficient Accretion Flows," ApJ, 660, 1273

52. N. Murray, C. L. Martin, **E. Quataert**, & T. A. Thompson, 2007, "The Ionization State of Sodium in Galactic Winds," ApJ, 660, 211

53. B. D. Metzger, T. A. Thompson, & **E. Quataert**, 2007, "Proto-Neutron Star Winds with Magnetic Fields and Rotation," ApJ, 659, 561

54. T. A. Thompson, **E. Quataert**, & E. Waxman, 2007, "The Starburst Contribution to the Extragalactic γ-ray Background,"ApJ, 654, 219

55. G. G. Howes, S. C. Cowley, W. Dorland, G. W. Hammett, **E. Quataert**, & A. A. Schekochihin, 2006, "Astrophysical Gyrokinetics: Basic Equations and Linear Theory," ApJ, 651, 590

56. M. Boylan-Kolchin, C.P. Ma, & **E. Quataert**, 2006, "Red Mergers and the Assembly of Massive Elliptical Galaxies: the Fundamental Plane and its Projections," MNRAS, 369, 1081

57. T. Thompson, **E. Quataert**, E. Waxman, N. Murray, & C. L. Martin, 2006, "Magnetic Fields in Starburst Galaxies and the Origin of the FIR-Radio Correlation," ApJ, 645, 186

58. N. Bucciantini, T. A. Thompson, J. Arons, **E. Quataert**, & L. DelZanna, 2006, "Relativistic MHD Winds from Rotating Neutron Stars," MNRAS, 368, 1717

59. S. Gillessen, F. Eisenhauer, **E. Quataert**, et al., 2006, "Variations in the Spectral Slope of Sgr A* during a NIR Flare," ApJ, 640, L163

60. Y. Xu, R. Narayan, **E. Quataert**, & F. Yuan, 2006, "Thermal X-ray Line Emission from the Galactic Center Black Hole Sagittarius A*," ApJ, 640, 319

61. P. Sharma, G. W. Hammett, **E. Quataert**, & J. M. Stone, 2006, "Shearing Box Simulations of the MRI in a Collisionless Plasma," ApJ, 637, 952

62. **E. Quataert** & A. Loeb, 2005, "Nonthermal THz to TeV Emission from Stellar Wind Shocks in the Galactic Center," ApJ, 635, L45

63. M. Boylan-Kolchin, C.P. Ma, & **E. Quataert**, 2005, "Dissipationless Mergers of Elliptical Galaxies and the Evolution of the Fundamental Plane," MNRAS, 362, 184

64. T. A. Thompson, **E. Quataert**, & N. Murray, 2005, "Radiation Pressure Supported Starburst Disks and AGN Fueling," ApJ, 630, 167

65. J. Goldston, **E. Quataert**, & I. Igumenshchev, 2005, "Synchrotron Radiation from Radiatively Inefficient Accretion Flow Simulations: Applications to Sgr A*," ApJ, 621, 785

66. T. Thompson, **E. Quataert**, & A. Burrows, 2005, "Viscosity and Rotation in Core-Collapse Supernovae," ApJ, 620, 861

67. M. Volonteri, P. Madau, **E. Quataert**, & M. Rees, 2005, "The Distribution and Cosmic Evolution of Massive Black Hole Spins," ApJ 620, 69

68. R. Narayan & **E. Quataert**, 2005, "Black Hole Accretion," Science, 307, 77

69. N. Murray, **E. Quataert**, & T. A. Thompson, 2005, "On the Maximum Luminosity of Galaxies & Their Central Black Holes: Feedback From Momentum-Driven Winds," ApJ, 618, 569

70. M. Boylan-Kolchin, C.P. Ma, & **E. Quataert**, 2004, "Core Formation in Galactic Nuclei Due to Recoiling Black Holes," ApJ Letters, 613, L37

71. **E. Quataert**, 2004, "A Dynamical Model for Hot Gas in the Galactic Center," ApJ, 613, 322

72. Z. Haiman, **E. Quataert**, & G. Bower, 2004, "Modeling the Counts of Faint Radio Loud Quasars: Constraints on the Supermassive Black Hole Population and Predictions for High Redshift," ApJ, 612, 698

73. T. A. Thompson, P. Chang, & **E. Quataert**, 2004, "Magnetar Spindown, Hyper-Energetic Supernovae, and Gamma Ray Bursts," ApJ, 611, 380

74. P. Madau & **E. Quataert**, 2004, "The Effect of Gravitational-Wave Recoil on the Demography of Massive Black Holes," 606, L17

75. F. Yuan, **E. Quataert**, & R. Narayan, 2004, "On the Nature of the Variable Infrared Emission from Sgr A*," ApJ, 606, 894

76. A. Ptak, Y. Terashima, L. C. Ho, & **E. Quataert**, 2004, "Testing Radiatively-Inefficient Accretion Flow Theory: an XMM-Newton Observation of NGC 3998," ApJ, 606, 173

77. F. Yuan, **E. Quataert**, & R. Narayan, 2003, "Nonthermal Electrons in Radiatively Inefficient Accretion Flow Models of Sgr A*," ApJ, 598, 301

78. P. Sharma, G. W. Hammett, & **E. Quataert**, 2003, "Transition from Collisionless to Collisional MRI," ApJ, 596, 1121

79. **E. Quataert**, W. Dorland, & G. W. Hammett, 2002, "The Magnetorotational Instability in a Collisionless Plasma," ApJ, 577, 524

80. R. Narayan, **E. Quataert**, I. Igumenshchev, & M. Abramowicz, 2002, "The Magnetohydrodynamics of Convection-Dominated Accretion Flows," ApJ, 577, 295

81. **E. Quataert**, 2002, "A Thermal Bremsstrahlung Model For the Quiescent X-ray Emission from Sagittarius A*", ApJ, 575, 855

82. M. Abramowicz, I. Igumenshchev, **E. Quataert**, & R. Narayan, 2002, "On the Radial Structure of Radiatively Inefficient Accretion Flows with Convection," ApJ 565, 1101

83. K. Menou & **E. Quataert**, 2001, "Activity From Tidal Disruptions in Galactic Nuclei," ApJ, 562, L137

84. A. Aguirre, J. Schaye, & **E. Quataert**, 2001, "Problems for MOND in Clusters and the Lyman-α Forest," ApJ, 561, 550

85. M. Loewenstein, R. F. Mushotzky, L. Angelini, K. A. Arnoud, & **E. Quataert**, 2001, "Chandra Limits on X-ray Emission Associated with the Supermassive Black Holes in Three Giant Elliptical Galaxies," ApJ, 555, L21

86. G. Ball, R. Narayan, & **E. Quataert**, 2001, "Spectral Models of Convection Dominated Accretion Flows," ApJ, 552, 221

87. K. Menou & **E. Quataert**, 2001, "Ionization, Magneto-rotational, and Gravitational Instabilities in Thin Accretion Disks Around Supermassive Black Holes," ApJ, 552, 204

88. **E. Quataert** & A. Gruzinov, 2000, "Constraining the Accretion Rate onto Sagittarius A* Using Linear Polarization," ApJ, 545, 842

89. **E. Quataert** & E. Chiang, 2000, "Angular Momentum Transport in Particle and Fluid Disks," ApJ, 543, 432

90. **E. Quataert** & A. Gruzinov, 2000, "Convection-Dominated Accretion Flows," ApJ, 539, 809

91. Z. Haiman, M. Spaans, & **E. Quataert**, 2000, "Lyman Alpha Cooling Radiation from High-Redshift Halos," ApJ, 537, L5

92. T. Di Matteo, **E. Quataert**, S. Allen, R. Narayan, & A.C. Fabian, 2000, "Low Radiative Efficiency Accretion in the Nuclei of Elliptical Galaxies," MNRAS, 311, 507

93. **E. Quataert** and R. Narayan, 2000, "The Cooling Flow to Accretion Flow Transition," ApJ, 528, 236

94. **E. Quataert**, T. Di Matteo, R. Narayan, & Luis C. Ho, 1999, "Possible Evidence for Truncated Thin Disks in the Low-Luminosity Active Galactic Nuclei M81 and NGC 4579," 525, L89

95. A. Gruzinov & **E. Quataert**, 1999, "The Proton Distribution Function in Weakly Magnetized Turbulent Plasmas," ApJ, 520, 849

96. **E. Quataert** & R. Narayan, 1999, "Spectral Models of Advection-Dominated Accretion Flows with Winds," ApJ, 520, 298

97. **E. Quataert** & A. Gruzinov, 1999, "Turbulence and Particle Heating in Advection-Dominated Accretion Flows," ApJ, 520, 248

98. **E. Quataert**, R. Narayan, & M. Reid, 1999, "What is the Accretion Rate in Sgr A*?," ApJ, 517, L101

99. **E. Quataert** & R. Narayan, 1999, "On the Energetics of Advection-Dominated Accretion Flows," ApJ, 516, 399

100. **E. Quataert**, 1998, "Particle Heating by Alfvénic Turbulence in Hot Accretion Flows," ApJ, 500, 978

101. P. Kumar & **E. Quataert**, 1998, "On the Orbital Decay of the PSR J0045-7319 Binary," ApJ, 493, 412

102. R. Mahadevan & **E. Quataert**, 1997, "Are Particles in Advection Dominated Accretion Flows Thermal?" ApJ, 490, 605

103. P. Kumar & **E. Quataert**, 1997, "Differential Rotation Enhanced Dissipation of Tides in the PSR J0045-7319 Binary," ApJ, 479, L51

104. P. Kumar & **E. Quataert**, 1996, "Angular Momentum Transport by Gravity Waves and Its Effect on the Rotation of the Solar Interior," ApJ, 475, L143

105. **E. Quataert**, P. Kumar, & C. Ao, 1996, "On the Validity of the Classical Apsidal Motion Formula," ApJ, 463, 284

106. P. Kumar, **E. Quataert**, & J. Bahcall, 1996, "Observational Searches for Solar g-modes: Some Theoretical Considerations," ApJ, 458, L83

107. P. Kumar, C. Ao, & **E. Quataert**, 1995, "Tidal Excitation of Modes in Binary Systems with Applications to Binary Pulsars," ApJ, 449, 294

SELECTED NON-REFEREED PUBLICATIONS

1. T. A. Thompson, **E. Quataert**, E. Waxman, & A. Loeb, 2006, "Assessing The Starburst Contribution to the Gamma-Ray and Neutrino Backgrounds," astro-ph/0608699

2. **E. Quataert**, 2006, "Nuclear Starbursts and AGN Fueling," Memorie della Societa Astronomica Italiana, 77, 614

3. Z. Haiman & **E. Quataert**, 2004, "The Formation and Evolution of the First Massive Black Holes," in *Supermassive Black Holes in the Distant Universe*, ed. A. J. Barger, Kluwer Academic Publishers

4. **E. Quataert**, 2004, "Inefficient Accretion," in *AGN Physics with the Sloan Digital Sky Survey,* ed. G. T. Richards and P. B. Hall (San Francisco: ASP)

5. **E. Quataert**, 2003, "On the Viability of Two-temperature Accretion Flows," astro-ph/0308451

6. **E. Quataert**, 2003, "Radiatively Inefficient Accretion Flow Models of Sgr A*," in *The central 300 parsecs of the Milky Way,* eds. A. Cotera et al., Astron. Nachr., 324, S1

7. **E. Quataert**, 2001, "Low-Radiative Efficiency Accretion Flows," in *Probing the Physics of Active Galactic Nuclei by Multiwavelength Monitoring*, eds. B. M. Peterson, R. S. Polidan, & R. W. Pogge (San Francisco: Astronomical Society of the Pacific), p. 71

8. **E. Quataert** & A. Gruzinov, 2000, "Chandra, GLAST, and the Galactic Center," astro-ph/0003367

9. **E. Quataert**, 1999, "Particle Heating in Advection-Dominated Accretion Flows," in *High Energy Processes in Accreting Black Holes*, eds. J. Poutanen & R. Svensson. p. 404

10. R. Narayan, R. Mahadevan, & **E. Quataert**, 1998, "Advection-Dominated Accretion around Black Holes," in *The Theory of Black Hole Accretion Discs*, eds. M.A. Abramowicz, G. Bjornsson, & J. E. Pringle

11. K. Menou, **E. Quataert**, & R. Narayan, 1998, "Astrophysical Evidence for Black Hole Event Horizons" in *Gravitation and Relativity: At the turn of the Millennium*, eds. N. Dadhich and J. Narlikar, p. 43