

Curriculum Vitae

Eliot Quataert

Princeton University

Department of Astrophysical Sciences

4 Ivy Lane

Princeton, NJ, 08544

E-mail : quataert@princeton.edu

Web: : <https://www.astro.princeton.edu/~quataert/>

Phone : 609-258-3801

ACADEMIC POSITIONS

7/20 – present	Charles A. Young Professor of Astronomy, Princeton University
7/20 – present	Professor of Astrophysical Sciences, Princeton University
7/19 – 6/20	Chair, Department of Astronomy, UC Berkeley
7/08 – 6/20	Professor of Astronomy and Physics, UC Berkeley
7/06 – 6/20	Director, Theoretical Astrophysics Center, UC Berkeley
7/08 – 7/14	Thomas and Alison Schneider Chair in Physics, 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

OVERVIEW

I am an astrophysics 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. I teach undergraduate and graduate classes on topics including the origin and evolution of the Universe, stars, fluid dynamics, and compact objects. I also regularly give non-technical talks describing the physics and astrophysics of black holes, neutron star mergers, and galaxy formation to the public, community colleges, and amateur astronomical societies.

SELECTED PROFESSIONAL ACTIVITIES

- 2019-present: Survey Steering Committee, 2020 Decadal Survey for Astronomy & Astrophysics, National Academy of Sciences
- 2016-present: Space Studies Board, National Academy of Sciences
- 2015-present: Editorial Board, Annual Reviews of Astronomy & Astrophysics
- 2012-2013: Executive Committee, Miller Institute for Basic Research in Science (UCB)
- 2010-2014: LIGO Astronomy & Astrophysics Advisory Panel
- 2009-2010: National Academy of Sciences Astro2010 Science Frontier Panel
- 2008-2012: Executive Committee, Topical Group on Plasma Astrophysics (APS)
- 2006-2009: National Resource Council's Plasma Science Committee
- 2005-2006: National Academy of Sciences Plasma2010 Committee

HONORS and AWARDS

2020	Elected Member, National Academy of Sciences
2018	Elected Member, American Academy of Arts and Sciences
2012	Simons Investigator in Physics
2010	Noyce Prize for Excellence in Undergraduate Teaching (Berkeley)
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)
2003	Packard Fellowship for Science and Engineering
2003	Hellman Faculty Fund Award (Berkeley)
2002	Alfred P. Sloan Research Fellowship
1999-2001	Chandra (aka Einstein) Fellowship
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)

NAMED LECTURES and POSITIONS

2019	Pappalardo Lecture (MIT)
2019	Kaufmanis Lecture (Univ. of Minnesota)
2019	Bishop Lecture (Columbia)
2019	Gordon and Betty Moore Distinguished Visiting Scholar (Caltech)
2014	Halley Lecture (Oxford)
2012	Salpeter Lectures (Cornell)
2012	LIGO Distinguished Visitor (Caltech)
2011	Biermann Lectures (Max Planck Institute for Astrophysics, Garching)
2009	Tinsley Visiting Professorship (UT Austin)

PUBLICATIONS IN REFEREED JOURNALS

1. D. Anglés-Alcázar, **E. Quataert**, P. F. Hopkins, R. S. Somerville, et al., 2020, “Cosmological Simulations of Quasar Fueling to Sub-parsec Scales Using Lagrangian Hyper-refinement,” ApJ submitted
2. S. Ginzburg & **E. Quataert**, 2020, “Black Widow Formation by Pulsar Irradiation and Sustained Magnetic Braking,” MNRAS, submitted
3. T. Berlok, **E. Quataert**, M. Pessah, & C. Pfrommer, 2020, “Suppressed Heat Conductivity in the Intracluster Medium: Implications for the Magneto-thermal Instability,” MNRAS submitted
4. J. Stern, D. Fielding, C.-A. Faucher-Giguère, **E. Quataert**, et. al., 2020, “Virialization of the Inner CGM in the FIRE Simulations and Implications for Galaxy Discs, Star Formation and Feedback,” MNRAS, submitted
5. C. J. Esmerian, A. V. Kravtsov, Z. Hafen, C.-A. Faucher-Giguère, **E. Quataert**, et al., 2020, “Thermal Instability in the CGM of L_* Galaxies: Testing ‘Precipitation’ Models with the FIRE Simulations,” MNRAS, submitted
6. A. B. Gurvich, C.-A. Faucher-Giguère, A. J. Richings, et al., 2020, “Pressure Balance in the Multiphase ISM of Cosmologically Simulated Disk Galaxies,” 2020, submitted
7. W. M. Kunz, J. Squire, A. A. Schekochihin, & **E. Quataert**, 2020, “Self-Sustaining Sound in Collisionless High- β Plasmas,” Journal of Plasma Physics, submitted
8. K. El-Badry & **E. Quataert**, 2020, “A Stripped-Companion Origin for Be stars: Clues from the Putative Black Holes HR 6819 and LB-1,” MNRAS, submitted
9. P. F. Hopkins, J. Squire, T. K. Chan, **E. Quataert**, et al., “Testing Physical Models for Cosmic Ray Transport Coefficients on Galactic Scales: Self-Confinement and Extrinsic Turbulence at GeV Energies,” MNRAS submitted
10. P. F. Hopkins, T. K. Chan, J. Squire, **E. Quataert**, et al., “Effects of Different Cosmic Ray Transport Models on Galaxy Formation,” MNRAS submitted
11. P. F. Hopkins, T. K. Chan, S. Ji, et al., “Cosmic-Ray Driven Outflows to Mpc Scales from L_* Galaxies,” MNRAS submitted
12. K. De, M. Kasliwal, A. Tzanidakis, et al., 2020, “The Zwicky Transient Facility Census of the Local Universe I: Systematic search for Calcium Rich Gap Transients Reveal Three Related Spectroscopic Sub-classes,” ApJ submitted
13. M. Li, Y. Li, G. L. Bryan, E. C. Ostriker, & **E. Quataert**, et al., “The Impact of Type Ia Supernovae in Quiescent Galaxies: II. Energetics and Turbulence,” ApJ submitted
14. S. Ji, T. K. Chan, C. B. Hummels, et al., 2019, “Properties of the Circumgalactic Medium in Cosmic Ray-Dominated Galaxy Halos,” MNRAS submitted
15. P. Torrey, P. F. Hopkins, C.-A. Faucher-Giguère, D. Anglés-Alcázar, **E. Quataert**, et al., 2019, “The Impact of AGN Wind Feedback in Simulations of Isolated Galaxies with a Multiphase ISM,” MNRAS, submitted
16. S. Ressler, C. J. White, **E. Quataert**, & J. M. Stone, 2020, “Ab Initio Horizon-Scale Simulations of Magnetically Arrested Accretion in Sagittarius A* Fed by Stellar Winds,” ApJ, 896, L6
17. X. Ma, **E. Quataert**, A. Wetzel, P. F. Hopkins, et al., 2020, “No Missing Photons for Reionization: Moderate Ionizing Photon Escape Fractions from the FIRE-2 Simulations,” MNRAS, 493, 4315

18. K. El-Badry & **E. Quataert**, 2020, “Not so Fast: LB-1 is Unlikely to Contain a $70 M_{\odot}$ Black Hole,” MNRAS, 493, L22
19. R. Anantua, S. Ressler, & **E. Quataert**, 2020, “On the comparison of AGN with GRMHD simulations: I. Sgr A*,” 493, 1404
20. Y. Li, M. Gendron-Marsolais, I. Zhuravleva, et al. 2020, “Direct Detection of Black Hole-Driven Turbulence in the Centers of Galaxy Clusters,” ApJ, 889, L1
21. S. Ginzburg & **E. Quataert**, 2020, “Black Widow Evolution: Magnetic Braking by an Ablated Wind,” MNRAS, 495, 3656
22. P. Kempski, **E. Quataert**, & J. Squire, 2020, “Sound-Wave Instabilities in Dilute Plasmas with Cosmic Rays: Implications for Cosmic-Ray Confinement and the Perseus X-ray Ripples,” MNRAS, 493, 5323
23. P. F. Hopkins, T. K. Chan, S. Garrison-Kimmel, et al., 2020, “But What About ... Cosmic Rays, Magnetic Fields, Conduction, & Viscosity in Galaxy Formation,” MNRAS, 492, 3465
24. M. Li, Y. Li, G. L. Bryan, E. C. Ostriker, & **E. Quataert**, 2020, “The Impact of Type Ia Supernovae in Quiescent Galaxies: I. Formation of the Multiphase Interstellar Medium,” ApJ, 894, 44
25. C. J. White, J. Dexter, O. Blaes, & **E. Quataert**, 2020, “The Effects of Tilt on the Images of Black Hole Accretion Flows,” ApJ, 894, 14
26. M. T. P. Liska, A. Tchekhovskoy, & **E. Quataert**, 2020, “Large-Scale Poloidal Magnetic Field Dynamo Leads to Powerful Jets in GRMHD Simulations of Black Hole Accretion with Toroidal Field,” MNRAS, 494, 3656
27. J. Stern, D. Fielding, C.-A. Faucher-Giguère, & **E. Quataert**, 2020, “The Maximum Accretion Rate of Hot Gas in Dark Matter Halos,” MNRAS, 492, 6042
28. S. Ressler, **E. Quataert**, & J. M. Stone, 2020, “The Surprisingly Small Impact of Magnetic Fields On The Inner Accretion Flow of Sagittarius A* Fueled By Stellar Winds,” MNRAS, 492, 3272
29. P. Kempski & **E. Quataert**, 2019, “Thermal Instability of Halo Gas Heated by Streaming Cosmic Rays,” MNRAS, 493, 1801
30. K. J. Shen, **E. Quataert**, & R. Pakmor, 2019, “The Progenitors of Calcium-Strong Transients,” ApJ, 887, 180
31. D. Lecoanet, M. Cantiello, **E. Quataert**, L. Coustou, et al., 2019, “Low-Frequency Variability in Massive Stars: Core Generation or Surface Phenomenon?” ApJL, 886, L15
32. I. M. Christie, A. Lalakos, A. Tchekhovskoy, et al., 2019, “The Role of Magnetic Field Geometry in the Evolution of Neutron Star Merger Accretion Discs,” MNRAS, 490, 4811
33. C. Wheeler, P. F. Hopkins, A. B. Pace, et al., 2019, “Be it Therefore Resolved: Cosmological Simulations of Dwarf Galaxies With 30 Solar Mass Resolution,” MNRAS, 490, 4447
34. X. Ma, M. Y. Grudic, **E. Quataert**, P. F. Hopkins, et al., 2019, “Self-Consistent Proto-Globular Cluster Formation in Cosmological Simulations of High-Redshift Galaxies,” MNRAS, 493, 4315
35. C. J. White, **E. Quataert**, & C. F. Gammie, 2020, “The Structure of Radiatively Inefficient Black Hole Accretion Flows,” ApJ, 891, 63
36. R. E. Sanderson, A. Wetzel, S. Loebman, et al., 2020, “Synthetic Gaia Surveys from the FIRE Cosmological Simulations of Milky-Way-Mass Galaxies,” ApJS, 246, 6

37. J. Stern, D. Fielding, C.-A. Faucher-Giguère, & **E. Quataert**, 2019, “Cooling Flow Solutions for the Circumgalactic Medium,” *ApJ*, 488, 2549
38. K. El-Badry, E. C. Ostriker, C. Kim, **E. Quataert**, & D. R. Weisz, 2019, “Evolution of Supernovae-driven Superbubbles with Conduction and Cooling,” *MNRAS*, 490, 1961
39. L. Liang, R. Feldmann, D. Kereš, et al., 2019, “On the Dust Temperature of High Redshift Galaxies,” *MNRAS*, 489, 1397
40. Y. Li, G. L. Bryan, & **E. Quataert**, 2019, “The Fate of AGB Winds in Massive Galaxies and the Intracluster Medium,” *ApJ*, 847, 41
41. P. P. Choudhury, P. Sharma, & **E. Quataert**, 2019, “Multiphase Gas in the Circumgalactic Medium: Relative Role of $t_{\text{cool}}/t_{\text{ff}}$ and Density Fluctuations,” *MNRAS*, 488, 3195
42. T. K. Chan, D. Kereš, P. F. Hopkins, **E. Quataert**, K.-Y. Su, et al., 2019, “Cosmic ray Feedback in the FIRE Simulations: Constraining Cosmic Ray Propagation with GeV Gamma Ray Emission,” *MNRAS*, 488, 3716
43. X. Ma, C. C. Hayward, C. M. Casey, P. F. Hopkins, **E. Quataert**, et al., 2019, “Dust Extinction, Dust Emission, and Dust Temperature in Galaxies at $z \geq 5$: a View From the FIRE-2 Simulations,” *MNRAS*, 487, 1844
44. S. Ro, E. R. Coughlin, & **E. Quataert**, 2019, “Weak Shock Propagation with Accretion III. A Numerical Study on Shock Propagation and Stability,” *ApJ*, 878, 150
45. L. Arzamasskiy, M. W. Kunz, B. D. G. Chandran, & **E. Quataert**, “Hybrid-Kinetic Simulations of Ion Heating in Alfvénic Turbulence,” 2019, *ApJ*, 879, 53
46. C. J. White, **E. Quataert**, & O. Blaes, 2019, “Tilted Disks Around Black Holes: A Numerical Parameter Survey for Spin and Inclination Angle,” *ApJ*, 878, 51
47. P. Kemschi, **E. Quataert**, J. Squire, & M. W. Kunz, 2019, “Shearing-Box Simulations of MRI-Driven Turbulence in Weakly Collisional Accretion Discs,” *MNRAS*, 486, 4013
48. **E. Quataert**, D. Lecoanet, & E. R. Coughlin, 2019, “Black Hole Accretion Discs and Luminous Transients in Failed Supernovae from Non-Rotating Supergiants,” *MNRAS*, 485, L83
49. C. J. White, J. M. Stone, & **E. Quataert**, 2019, “A Resolution Study of Magnetically Arrested Disks,” *ApJ*, 874, 168
50. M. Grudic, P. F. Hopkins, **E. Quataert**, N. Murray, 2019, “The Maximum Stellar Surface Density Due to the Failure of Stellar Feedback,” *MNRAS*, 483, 5548
51. E. R. Coughlin, S. Ro, & **E. Quataert**, 2019, “Weak Shock Propagation with Accretion II. Stability of Self-Similar Solutions to Radial Perturbations,” *ApJ*, 874, 58
52. D. Martizzi, **E. Quataert**, C.-A. Faucher-Giguère, & D. Fielding, 2019, “Simulations of Jet Heating in Galaxy Clusters: Successes and Challenges,” *MNRAS*, 483, 2465
53. K. El-Badry, **E. Quataert**, D. Weisz, N. Choksi, & M. Boylan-Kolchin, 2019, “The Formation and Hierarchical Assembly of Globular Cluster Populations,” *MNRAS*, 482, 4528
54. S. Garrison-Kimmel, P. F. Hopkins, A. Wetzel, K. El-Badry, et al., 2018, “The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations,” *MNRAS*, 481, 4133
55. J. Squire, A. A. Schekochihin, **E. Quataert**, & M. W. Kunz, 2019, “Magneto-immutable Turbulence in Weakly Collisional Plasmas,” *Journal of Plasma Physics*, 85, 9014

56. R. Fernandez, A. Tchekhovskoy, **E. Quataert**, F. Foucart, & D. Kasen, 2019, “Long-term GRMHD Simulations of Neutron Star Merger Accretion Disks: Implications for Electromagnetic Counterparts,” *MNRAS*, 482, 3373
57. S. Darbha, E. R. Coughlin, D. Kasen, **E. Quataert**, 2019, “Gravitational Interactions of Stars with Supermassive Black Hole Binaries. II. Hyper-velocity Stars,” *MNRAS*, 482, 2132
58. P. C. Duffell, **E. Quataert**, D. Kasen, and H. Klion, 2018, “Jet Dynamics in Compact Object Mergers: GW 170817 Likely Had a Successful Jet,” *ApJ*, 866, 1
59. S. Ressler, **E. Quataert**, & J. M. Stone, 2019, “Accretion of Magnetized Stellar Winds in the Galactic Center: Implications for Sgr A* and PSR J1745-2900,” *MNRAS Letters*, 482, L123
60. C. Lochhaas, T. A. Thompson, **E. Quataert**, & D. H. Weinberg, 2018, “Fast Winds Drive Slow Shells: A Model for the CGM as Galactic Wind-Driven Bubbles,” *MNRAS*, 481, 1873
61. A. Lamberts, S. Garrison-Kimmel, P. F. Hopkins, **E. Quataert**, et al., 2018, “Predicting the binary black hole population of the Milky Way with cosmological simulations,” *MNRAS*, 480, 2704
62. P. F. Hopkins, A. Wetzel, D. Keres, C.-A. Faucher-Giguère, **E. Quataert**, 2017, “FIRE-2 Simulations: Physics versus Numerics in Galaxy Formation,” *MNRAS*, 480, 800
63. Y. Jiang, M. Cantiello, L. Bildsten, **E. Quataert**, O. Blaes, & James M. Stone, 2018, “Luminous Blue Variable Outbursts from the Variations of Helium Opacity,” *Nature*, 561, 498
64. K. El-Badry, J. Bland-Hawthorn, A. Wetzel, **E. Quataert**, et al., 2018, “Where are the Most Ancient Stars in the Milky Way?” *MNRAS*, 480, 652
65. M. Belyaev & **E. Quataert**, 2018, “Inefficient Angular Momentum Transport in Accretion Disk Boundary Layers: Angular Momentum Belt in the Boundary Layer,” *MNRAS*, 479, 1528
66. A. Fitts, M. Boylan-Kolchin, J. S. Bullock, et al., 2018, “No Assembly Required: Mergers are Mostly Irrelevant for the Growth of Low-mass Dwarf Galaxies,” *MNRAS*, 479, 319
67. B. R. Ryan, S. M. Ressler, J. C. Dolence, C. F. Gammie, & **E. Quataert**, 2018, “Two-Temperature GRRMHD Simulations of M87,” *ApJ*, 864, 126
68. M. Orr, C. Hayward, P. F. Hopkins, et al., 2017, “What FIREs Up Star Formation: the Emergence of the Kennicutt-Schmidt Law from Feedback,” *MNRAS*, 478, 3653
69. S. Ressler, **E. Quataert**, & J. M. Stone, 2018, “Hydrodynamic Simulations of the Inner Accretion Flow of Sagittarius A* Fueled By Stellar Winds,” *MNRAS*, 478, 3544
70. X. Ma, P. F. Hopkins, S. Garrison-Kimmel, et al., 2017, “Simulating Galaxies in the Reionization Era With FIRE-2: Galaxy Scaling Relations, Stellar Mass Functions, and Luminosity Functions,” *MNRAS*, 478, 1694
71. E. R. Coughlin, S. Darbha, D. Kasen, **E. Quataert**, 2018, “Stellar binaries incident on supermassive black hole binaries: implications for double tidal disruption events, calcium-rich transients, and hypervelocity stars,” *ApJ*, 863, L24
72. E. R. Coughlin, **E. Quataert**, & S. Ro, 2018, “Weak Shock Propagation with Accretion I. Self-Similar Solutions and Application to Failed Supernovae,” *ApJ*, 863, 158
73. L. Liang, R. Feldmann, C.-A. Faucher-Giguère, et al., 2018, “Submillimeter flux as a probe of molecular ISM mass in high-z galaxies,” *MNRAS*, 478, L83
74. D. B. Fielding, **E. Quataert**, & D. Martizzi, 2018, “Clustered Supernovae Drive Powerful Galactic Winds After Super-Bubble Breakout,” *MNRAS*, 481, 3325

75. S. Darbha, E. R. Coughlin, D. Kasen, **E. Quataert**, 2018, “Gravitational Interactions of Stars with Supermassive Black Hole Binaries. I. Tidal Disruption Events,” MNRAS, 477, 4009
76. P. F. Hopkins, A. Wetzel, D. Keres, C.-A. Faucher-Giguère, **E. Quataert**, et al. 2018, “How to Model Supernovae in Simulations of Star and Galaxy Formation,” MNRAS, 477, 1578
77. K. El-Badry, J. Bradford, **E. Quataert**, M. Geha, et al., 2018, “Gas Kinematics in FIRE Simulated Galaxies Compared to Spatially Unresolved HI Observations,” MNRAS, 477, 1536
78. E. R. Coughlin, **E. Quataert**, R. Fernandez, & D. Kasen, 2018, “A Physical Model of Mass Ejection in Failed Supernovae,” MNRAS, 477, 1225
79. X. Ma, P. F. Hopkins, M. Boylan-Kolchin, C.-A. Faucher-Giguère, **E. Quataert**, et al. 2018, “Simulating Galaxies in the Reionization Era With FIRE-2: Morphologies and Sizes,” MNRAS, 477, 219
80. F. van de Voort, **E. Quataert**, C.-A. Faucher-Giguère, et al. 2018, “The Deuterium Abundance and the Importance of Stellar Mass Loss in the Interstellar and Intergalactic Medium”, MNRAS, 477, 80
81. R. Fernandez, **E. Quataert**, K. Kashiyama, & E. R. Coughlin, 2018, “Mass Ejection in Failed Supernovae: Variation with Stellar Progenitor,” MNRAS, 476, 2366
82. K. El-Badry, H.-W. Rix, Y.-S. Ting, **E. Quataert**, D. Weisz, et al., 2018, “Discovery and Characterization of Main-Sequence Binaries from APOGEE Spectra,” MNRAS, 476, 528
83. P. S. Cowperthwaite, E. Berger, A. Rest, et al., 2018, “An Empirical Study of Contamination in Deep, Rapid, and Wide-Field Optical Follow-Up of Gravitational Wave Events,” ApJ, 858, 18
84. B. D. Metzger, T. A. Thompson, **E. Quataert**, 2018, “A magnetar origin for the kilonova ejecta in GW170817,” 2018, ApJ, 856, 101
85. M. A. Riquelme, A. Osorio, & **E. Quataert**, 2018, “Stochastic Electron Acceleration by the Whistler Instability in a Growing Magnetic Field,” ApJ, 854, 132
86. M. Y. Grudic, P. F. Hopkins, C.-A. Faucher-Giguère, **E. Quataert**, N. Murray, & D. Kereš, 2018, “When Feedback Fails: The Scaling and Saturation of Star Formation Efficiency,” MNRAS, 475, 3511
87. I. Escala, A. Wetzel, E. N. Kirby, et al., 2018, “Modeling Chemical Abundance Distributions for Dwarf Galaxies in the Local Group: the Impact of Turbulent Metal Diffusion,” MNRAS, 474, 2194
88. J. Luan, J. Fuller, & **E. Quataert**, 2018, “How *Cassini* Can Constrain Tidal Dissipation in Saturn,” MNRAS, 473, 5002
89. M. A. Riquelme, **E. Quataert**, & D. Verscharen, 2018, “PIC Simulations of the Velocity Space Instabilities in a Decreasing Magnetic Field: Viscosity and Thermal Conduction,” ApJ, 854, 132
90. K. Su, C. Hayward, P. F. Hopkins, **E. Quataert**, et al., 2018, “Stellar Feedback Strongly Alters the Amplification and Morphology of Galactic Magnetic Fields,” MNRAS Letters, 473, L111
91. K. El-Badry, **E. Quataert**, A. Wetzel, P. F. Hopkins, et al., 2018, “Gas Kinematics, Morphology, and Angular Momentum in the FIRE Simulations,” MNRAS, 473, 1930
92. S. P. Owocki, R. H. D. Townsend, & **E. Quataert**, 2017, “Super-Eddington Winds: Unifying Radiative-Enthalpy vs. Flux-Driven Models,” MNRAS, 472, 3749
93. J. Schwab, L. Bildsten, & **E. Quataert**, 2017, “The Importance of Urca-process Cooling in Accreting ONe White Dwarfs,” MNRAS, 472, 3390

94. J. Squire, **E. Quataert**, & M. W. Kunz, 2017, “Pressure-anisotropy-induced Nonlinearities in the Kinetic Magnetorotational Instability,” *J. Plasma Phys.*, 83, 9013
95. J. Brooks, J. Schwab, L. Bildsten, **E. Quataert**, et al., 2018, “Fast and Luminous Transients From the Explosions of Long Lived Massive White Dwarf Merger Remnants,” *ApJ*, 850, 127
96. B. P. Abbott, R. Abbott, T. D. Abbott, et al., 2017, “A Gravitational-wave Standard Siren Measurement of the Hubble Constant,” *Nature*, 551, 85
97. B. P. Abbott, R. Abbott, T. D. Abbott, et al., 2017, “Multi-messenger Observations of a Binary Neutron Star Merger” *ApJ*, 848, L12
98. D. Kasen, B. D. Metzger, J. Barnes, **E. Quataert**, & E. Ramirez-Ruiz, 2017, “Origin of the Heavy Elements in Binary Neutron Star Mergers from a Gravitational Wave Event,” *Nature*, 551, 80
99. D. Anglés-Alcázar, C.-A. Faucher-Giguère, **E. Quataert**, et al., 2017 “Black Holes on FIRE: Stellar Feedback Limits Early Feeding of Galactic Nuclei,” *MNRAS Letters*, 472, L109
100. R. Chornock, E. Berger, D. Kasen, et al., “The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/VIRGO GW170817. IV. Detection of the Near-Infrared Signatures of r-Process Nucleosynthesis with Gemini South,” *ApJ*, 848, L19
101. P. S. Cowperthwaite, E. Berger, V. A. Villar, et al., 2017 “The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/VIRGO GW170817. II. UV, Optical, and Near-IR Light Curves and Comparison to Kilonova Models,” *ApJ*, 848, L17
102. M. Soares-Santos, D. E. Holz, J. Annis, et al., 2017, “The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/VIRGO GW170817. I. Dark Energy Camera Discovery of the Optical Counterpart,” *ApJ*, 848, L16
103. B. R. Ryan, S. M. Ressler, J. C. Dolence, C. F. Gammie, & **E. Quataert**, 2017, “The Radiative Efficiency and Spectra of Slowly Accreting Black Holes from Two-Temperature GRRMHD Simulations,” *ApJ Letters*, 844, L24
104. S. H. Price, M. Kriek, R. Feldmann, **E. Quataert**, et al., 2017, “Testing the Recovery of Intrinsic Galaxy Sizes and Masses of $z \sim 2$ Galaxies Using Cosmological Simulations,” *ApJ Letters*, 844, L6
105. J. Brooks, J. Schwab, L. Bildsten, **E. Quataert**, & B. Paxton, 2017, “Accretion-induced Collapse From Helium Star + White Dwarf Binaries,” *ApJ*, 844, 151
106. J. Squire, M. W. Kunz, **E. Quataert**, & A. A. Schekochihin, 2017, “Kinetic Simulations of the Interruption of Large-amplitude Shear-Alfvén Waves in a High- β Plasma,” *PRL*, 119, 5101
107. S. Garrison-Kimmel, A. R. Wetzel, J. S. Bullock, et al., 2017, “Not so lumpy after all: modeling the depletion of dark matter subhalos by Milky Way-like galaxies,” *MNRAS*, 471, 1709
108. J. Squire, A. A. Schekochihin, & **E. Quataert**, 2017, “Amplitude limits and nonlinear damping of shear-Alfvén waves in high-beta low-collisionality plasmas,” *New Journal of Physics*, 19, 155005
109. D. Anglés-Alcázar, C.-A. Faucher-Giguère, D. Kereš, P. F. Hopkins, et al., 2017 “The Cosmic Baryon Cycle and Galaxy Mass Assembly in the FIRE Simulations,” *MNRAS*, 470, 4698
110. A. Muratov, D. Kereš, C.-A. Faucher-Giguère, P. F. Hopkins, et al., 2016, “Metal Flows of the Circumgalactic Medium, and the Metal Budget in Galaxies and Halos,” *MNRAS*, 468, 4170
111. F. Foucart, M. Chandra, C. F. Gammie, **E. Quataert**, & A. Tchekhovskoy, 2017, “How Important is Non-ideal Physics in Simulations of Sub-Eddington Accretion onto Spinning Black Holes?” *MNRAS*, 470, 2240

112. D. Fielding, **E. Quataert**, D. Martizzi, & C.-A. Faucher-Giguère, 2017, “How Supernovae Launch Galactic Winds,” *MNRAS Letters*, 470, L39
113. K. El-Badry, D. Weisz, & **E. Quataert**, et al., 2017, “The Statistical Challenge of Constraining the Low-Mass IMF in Local Group Dwarf Galaxies” *MNRAS*, 468, 319
114. Y. Jiang, M. Cantiello, L. Bildsten, **E. Quataert**, & O. Blaes, 2017, “The Effects of Magnetic Fields on the Structure of Radiation Pressure Dominated Massive Star Envelopes,” *ApJ*, 843, 68
115. R. Feldmann, **E. Quataert**, P. F. Hopkins, C.-A. Faucher-Giguère, & D. Kereš, 2017, “Colors, Star Formation Rates, and Environments of Star forming and Quiescent Galaxies at the Cosmic Noon,” *MNRAS*, 470, 1050
116. Z. Hafen, C.-A. Faucher-Giguère, D. Angles-Alcazar, et al., 2016, “Low-Redshift Lyman Limit Systems as Diagnostics of Cosmological Inflows and Outflows,” *MNRAS*, 469, 2292
117. D. Zhang, T. A. Thompson, **E. Quataert**, & N. Murray, 2015, “Entrainment in Trouble? Cool Cloud Acceleration and Destruction in Hot Supernova-Driven Galactic Winds,” *MNRAS*, 468, 4801
118. S. M. Ressler, A. Tchekhovskoy, **E. Quataert**, & C. F. Gammie, 2017, “The Disc-Jet Symbiosis Emerges: Modeling the Emission of Sagittarius A* with Electron Thermodynamics,” *MNRAS*, 467, 3604
119. X. Ma, P. F. Hopkins, A. Wetzel, et al., 2017, “The Structure and Dynamical Evolution of the Stellar Disk of a Simulated Milky Way-Mass Galaxy,” *MNRAS*, 467, 2430
120. P. Torrey, P. F. Hopkins, C.-A. Faucher-Giguère, M. Vogelsberger, **E. Quataert**, D. Kereš, & N. Murray, 2017, “An Instability of Feedback Regulated Star Formation in Galactic Nuclei,” *MNRAS*, 467, 2301
121. S. A. Mao, J. Dexter, **E. Quataert**, 2017, “The Impact of Non-thermal Electrons on Event Horizon Scale Images and Spectra of Sgr A*,” *MNRAS*, 466, 4397
122. D. B. Fielding, **E. Quataert**, M. McCourt, T. A. Thompson, 2017, “The Impact of Star Formation Feedback on the Circumgalactic Medium,” *MNRAS*, 466, 3810
123. K. El-Badry, A. Wetzel, M. Geha, **E. Quataert**, et al., 2017, “When the Jeans Don’t Fit: Stellar Feedback Complicates Dynamical Modeling in Low-Mass Galaxies,” *ApJ*, 835, 193
124. J. Brooks, J. Schwab, L. Bildsten, **E. Quataert**, & B. Paxton, 2017, “Convection Destroys the Core/Mantle Structure of Hybrid C/O/Ne White Dwarfs,” *ApJ Letters*, 834, L9
125. H. Klion & **E. Quataert**, 2017, “A Diagnostic for Localizing Red Giant Differential Rotation,” *MNRAS Letters*, 464, L16
126. D. Verscharen, B. D. G. Chandran, K. G. Klein, & **E. Quataert**, 2016, “Collisionless Isotropization of the Solar Wind by Compressive Fluctuations and Plasma Instabilities,” *ApJ*, 831, 128
127. D. Lecoanet, J. Schwab, **E. Quataert**, L. Bildsten, F. X. Timmes, et al., 2016, “Turbulent Chemical Diffusion in Convectively Bounded Carbon Flames,” *ApJ*, 832, 71
128. M. W. Kunz, J. M. Stone, & **E. Quataert**, 2016, “Magnetorotational Turbulence and Dynamo in a Collisionless Plasma,” *PRL*, 117, 5101
129. F. van de Voort, **E. Quataert**, P. F. Hopkins, C.-A. Faucher-Giguère et al., 2016, “The Impact of Stellar Feedback on Hot Gas in Galaxy Haloes: Sunyaev-Zeldovich Effect and Soft X-ray Emission,” *MNRAS*, 463, 4533
130. J. Schwab, **E. Quataert**, & D. Kasen, 2016, “The Evolution and Fate of Super-Chandrasekhar Mass White Dwarf Merger Remnants” *MNRAS*, 363, 346

131. J. Squire, **E. Quataert**, & A. A. Schekochihin, 2016, “A Stringent Limit on the Amplitude of Alfvénic Perturbations in High-Beta Low-Collisionality Plasmas,” *ApJ*, 830, L25
132. N. Sravan, C.-A. Faucher-Giguère, F. van de Voort, D. Kereš, A. L. Muratov, P. F. Hopkins, R. Feldmann, **E. Quataert**, & N. Murray, 2016, “Strongly Time-Variable Ultra-Violet Line Emission from the Circum-Galactic Medium of High-Redshift Galaxies,” *MNRAS*, 463, 120
133. C.-A. Faucher-Giguère, R. Feldmann, **E. Quataert**, D. Kereš, P. F. Hopkins, & N. Murray, 2016, “A Stellar Feedback Origin for Neutral Hydrogen in High-Redshift Quasar-Mass Halos,” *MNRAS*, 461, L32
134. A. R. Wetzel, P. F. Hopkins, J. Kim, C.-A. Faucher-Giguère, D. Kereš, & **E. Quataert**, 2016, “Reconciling Dwarf Galaxies with Λ CDM Cosmology: Simulating a Realistic Population of Satellites Around a Milky Way-Mass Galaxy,” *ApJ*, 827, L23
135. P. S. Cowperthwaite, E. Berger, M. Soares-Santos, et al., 2016, “A DECam Search for an Optical Counterpart to the LIGO Gravitational Wave Event GW151226,” *ApJ*, 826, L29
136. X. Ma, P. F. Hopkins, D. Kasen, **E. Quataert**, D. Kereš, C.-A. Faucher-Giguère, & N. Murray 2016, “Binary Stars Can Provide the ‘Missing Photons’ Needed for Reionization,” *MNRAS*, 459, 3614
137. D. Martizzi, D. Fielding C.-A. Faucher-Giguère, & **E. Quataert**, 2016, “Supernova Feedback in a Local Vertically Stratified Medium: Interstellar Turbulence and Galactic Winds,” *MNRAS*, 459, 2311
138. B. P. Abbott, R. Abbott, T. D. Abbott, et al., 2016, “Localization and Broadband Follow-up of the Gravitational-Wave Transient GW150914,” *ApJ*, 826, L13
139. J. Fuller, J. Luan, & **E. Quataert**, 2016, “Resonance Locking as the Source of Rapid Tidal Migration in the Jupiter and Saturn Moon Systems,” *MNRAS*, 458, 3867
140. M. A. Riquelme, **E. Quataert**, & D. Verscharen, 2016, “PIC Simulations of the Effect of Velocity Space Instabilities on Electron Viscosity and Thermal Conduction,” *ApJ*, 824, 123
141. J. Annis, M. Soares-Santos, E. Berger, et al., 2016, “A Dark Energy Camera Search for Missing Supergiants in the LMC After the Advanced LIGO Gravitational Wave Event GW150914,” *ApJ*, 823, L34
142. M. Soares-Santos, R. Kessler, E. Berger, et al., 2016, “A Dark Energy Camera Search for an Optical Counterpart to the First Advanced LIGO Gravitational Wave Event GW150914,” 2016, *ApJ*, 823, L33
143. R. Feldmann, P. F. Hopkins, **E. Quataert**, C.-A. Faucher-Giguère, & D. Kereš, 2016, “The Formation of Massive, Quiescent Galaxies at Cosmic Noon,” *MNRAS*, 458, L14
144. **E. Quataert**, R. Fernández, D. Kasen, H. Klion, & B. Paxton, 2015, “Super-Eddington Stellar Winds Driven by Near-Surface Energy Deposition,” *MNRAS*, 458, 1214
145. P. F. Hopkins, P. Torrey, C.-A. Faucher-Giguère, **E. Quataert**, & N. Murray, 2015 “Stellar and Quasar Feedback in Concert: Effects on AGN Accretion, Obscuration, and Outflows,” *MNRAS* 458, 816
146. X. Ma, P. F. Hopkins, C.-A. Faucher-Giguère, N. Zolman, A. Muratov, D. Kereš, & **E. Quataert**, 2016, “The Origin and Evolution of the Galaxy Mass-Metallicity Relation,” *MNRAS*, 456, 2140
147. F. Foucart, M. Chandra, C. F. Gammie, & **E. Quataert**, 2016, “Evolution of Accretion Discs around a Kerr Black Hole using Extended Magnetohydrodynamics,” *MNRAS*, 456, 2140

148. D. Lecoanet, M. McCourt, **E. Quataert**, et al., 2016, “A Validated Nonlinear Kelvin-Helmholtz Benchmark for Numerical Hydrodynamics,” MNRAS, 455, 4274
149. T. A. Thompson, **E. Quataert**, D. Zhang, & D. H. Weinberg, 2016, “An Origin for Multi-Phase Gas in Galactic Winds and Halos,” MNRAS, 455, 1830
150. R. Fernandez, **E. Quataert**, J. Schwab, D. Kasen, & S. Rosswog, 2016, “The interplay of disk wind and dynamical ejecta in the aftermath of neutron star - black hole mergers,” MNRAS, 449, 390
151. B. D. Metzger, B. Margalit, D. Kasen, & **E. Quataert**, 2015, “The Diversity of Transients from Magnetar Birth in Core-Collapse Supernovae,” MNRAS, 454, 3311
152. T. K. Chan, D. Kereš, J. Onorbe, P. F. Hopkins, A. L. Muratov, C.-A. Faucher-Giguère, & **E. Quataert**, 2015, “The Impact of Baryonic Physics on the Structure of Dark Matter Halos: the View from the FIRE Cosmological Simulations,” MNRAS, 454, 2981
153. A. Muratov, D. Kereš, C.-A. Faucher-Giguère, P. F. Hopkins, **E. Quataert**, & N. Murray, 2015, “Gusty Gaseous Flows of FIRE: Galactic Winds in Cosmological Simulations with Explicit Stellar Feedback,” MNRAS, 2691
154. J. Onorbe, M. Boylan-Kolchin, J. S. Bullock, P. F. Hopkins, D. Kereš, C.-A. Faucher-Giguère, **E. Quataert**, & N. Murray, 2015, “Forged in FIRE: cusps, cores, and baryons in low-mass dwarf galaxies,” MNRAS, 454, 2092
155. S. M. Ressler, A. Tchekhovskoy, **E. Quataert**, M. Chandra, & C. F. Gammie, 2015, “Electron Thermodynamics in GRMHD Simulations of Low-Luminosity Black Hole Accretion,” MNRAS, 454, 1848
156. Y. Jiang, M. Cantiello, L. Bildsten, **E. Quataert**, & O. Blaes, 2015, “Local Radiation Hydrodynamic Simulations of Massive Star Envelopes at the Iron Opacity Peak,” ApJ, 813, 74
157. P. C. Duffell, **E. Quataert**, & A. I. MacFadyen, 2015, “A Narrow Short-Duration GRB Jet From a Wide Central Engine,” ApJ, 813, 64
158. M. Belyaev, **E. Quataert**, & J. Fuller, 2015, “The Properties of G-modes in Layered Semi-Convection,” MNRAS, 452, 2700
159. J. Schwab, **E. Quataert**, & L. Bildsten, 2015, “Thermal Runaway During the Evolution of ONeMg Cores Towards Accretion Induced Collapse,” MNRAS, 453, 1910
160. X. Ma, D. Kasen, P. F. Hopkins, C.-A. Faucher-Giguère, **E. Quataert**, D. Kereš, & N. Murray 2015, “The Difficulty Getting High Escape Fractions of Ionizing Photons from High-redshift Galaxies: a View from the FIRE Cosmological Simulations,” MNRAS, 453, 960
161. M. Chandra, C. F. Gammie, F. Foucart, & **E. Quataert**, 2015, “An Extended Magnetohydrodynamics Model for Relativistic Weakly Collisional Plasmas,” ApJ, 810, 162
162. J. Fuller, M. Cantiello, D. Lecoanet, & **E. Quataert**, 2015, “The Spin Rate of Pre-collapse Stellar Cores: Wave Driven Angular Momentum Transport in Massive Stars,” ApJ, 810, 101
163. F. van de Voort, T. A. Davis, D. Kereš, **E. Quataert**, C.-A. Faucher-Giguère, & P. F. Hopkins 2015, “The creation and persistence of a misaligned gas disc in a simulated early-type galaxy,” MNRAS, 451, 3269
164. K. Kashiyama & **E. Quataert**, 2015, “Fast Luminous Blue Transients from Newborn Black Holes,” MNRAS, 451, 2656
165. D. Lecoanet, M. Le Bars, K. J. Burns, G. M. Vasil, Ben P. Brown, **E. Quataert**, & J. S. Oishi, 2015, “Internal Wave Generation by Convection in Water. Part 2. Numerical Simulations,” PRE, 91, 3016

166. D. Martizzi, C.-A. Faucher-Giguère, & **E. Quataert**, 2015, “Supernova Feedback in an Inhomogeneous Interstellar Medium,” *MNRAS*, 450, 504
167. C.-A. Faucher-Giguère, P. F. Hopkins, D. Kereš, A. Muratov, **E. Quataert**, & N. Murray, 2015, “Neutral Hydrogen in Galaxy Halos at the Peak of the Cosmic Star Formation History” *MNRAS*, 449, 987
168. T. A. Thompson, A. C. Fabian, **E. Quataert**, & N. Murray, 2015, “Dynamics of Dusty Radiation Pressure Driven Shells: Fast Outflows from Galaxies, Star Clusters, Massive Stars, and AGN,” *MNRAS*, 449, 147
169. M. McCourt, R. O’Leary, A-M. Madigan, & **E. Quataert**, 2015, “Magnetized Gas Clouds can Survive Acceleration by a Hot Wind,” *MNRAS*, 449, 2
170. J. Nims, **E. Quataert**, & C.-A. Faucher-Giguère, 2015, “Observational Signatures of Galactic Winds Powered by Active Galactic Nuclei,” *MNRAS*, 447, 3612
171. **E. Quataert**, T. Heinemann, & A. Spitkovsky, 2015, “Linear Instabilities Driven by Differential Rotation in Very Weakly Magnetized Plasmas,” *MNRAS*, 447, 3328
172. F. van de Voort, **E. Quataert**, P. F. Hopkins, D. Kereš, & C.-A. Faucher-Giguère, 2015, “Galactic r-process Enrichment by Neutron Star Mergers in Cosmological Simulations of a Milky Way-mass Galaxy,” *MNRAS*, 447, 140
173. M. A. Riquelme, **E. Quataert**, & D. Verscharen, 2015, “PIC Simulations of Continuously Driven Mirror and Ion Cyclotron Instabilities in High Beta Astrophysical and Heliospheric Plasmas,” *ApJ* 800, 27
174. R. Fernandez, D. Kasen, B. D. Metzger, & **E. Quataert**, 2015, “Outflows from Accretion Disks Formed in Neutron Star Mergers: Effect of Black Hole Spin,” *MNRAS*, 446, 750
175. P. F. Hopkins, D. Keres, J. Onorbe, C. A. Faucher-Giguere, **E. Quataert**, N. Murray, & J. S. Bullock, 2014, “Galaxies on FIRE (Feedback in Realistic Environments): Stellar Feedback Explains Cosmologically Inefficient Star Formation,” *MNRAS*, 445, 581
176. J. Burkart, **E. Quataert**, & P. Arras, 2014, “Dynamical Resonance Locking in Tidally Interacting Binary Systems,” *MNRAS*, 443, 2957
177. T. Heinemann & **E. Quataert**, 2014, “Linear Vlasov Theory in the Shearing Sheet Approximation with Application to the Magneto-Rotational Instability,” *ApJ*, 792, 70
178. J. Lynn, **E. Quataert**, B. D. G. Chandran, & I. J. Parrish, 2014, “Acceleration of Relativistic Electrons by MHD Turbulence: Implications for Nonthermal Emission from Black Hole Accretion Disks,” *ApJ*, 791, 71
179. D. Zhang, T. A. Thompson, N. Murray, & **E. Quataert**, 2014, “Hot Galactic Winds Constrained by the X-ray Luminosities of Galaxies,” *ApJ*, 784, 93
180. J. McBride, **E. Quataert**, C. Heiles, & Amber Bauermeister, 2014, “The Role of Magnetic Fields in Starburst Galaxies as Revealed by OH Megamasers,” *ApJ*, 780, 182
181. J. Shiode & **E. Quataert**, 2014, “Setting the Stage for Circumstellar Interaction in Core-Collapse Supernovae II: Wave-Driven Mass Loss in Supernova Progenitors,” *ApJ*, 780, 96
182. J. Lynn, I, **E. Quataert**, B. D. G. Chandran, & I. J. Parrish, 2013, “The Efficiency of Second-Order Fermi Acceleration by Weakly Compressible MHD Turbulence,” 777, 128
183. Q. Xia, J. C. Perez, B. D. G. Chandran, & **E. Quataert**, 2013, “Perpendicular Ion Heating by Reduced Magnetohydrodynamic Turbulence,” *ApJ*, 776, 90

184. B. D. G. Chandran, D. Verscharen, **E. Quataert**, J. C. Kasper, P. A. Isenberg, & S. Bourouaine, 2013, “Stochastic Heating, Differential Flow, and the Alpha-To-Proton Temperature Ratio in the Solar Wind,” *ApJ*, 776, 45
185. C. Faucher-Giguère, **E. Quataert**, & P. F. Hopkins, 2013, “Feedback-Regulated Star Formation in Molecular Clouds and Galactic Discs,” *MNRAS*, 433, 1970
186. J. Burkart, **E. Quataert**, P. Arras, & N. N. Weinberg, 2013, “Linear Tides in Inspiring White Dwarf Binaries: Resonance Locks,” *MNRAS*, 433, 332
187. P. F. Hopkins, D. Narayanan, N. Murray, & **E. Quataert**, 2013, “Dense Molecular Gas: A Sensitive Probe of Stellar Feedback Models,” *MNRAS*, 433, 69
188. M. McCourt, **E. Quataert**, & I. J. Parrish, 2013, “What Sets Temperature Gradients in Galaxy Clusters? Implications for Non-thermal Pressure Support and Mass-Observable Scaling Relations,” *MNRAS*, 432, 404
189. S. D. Bale, M. Pulupa, C. Salem, C. H. K. Chen, & **E. Quataert**, 2013, “Electron Heat Conduction in the Solar Wind: Transition from Spitzer-Härm to the Collisionless Limit,” *ApJ*, 769, L22
190. J. Shiode, **E. Quataert**, M. Cantiello, L. Bildsten, 2013, “The Observational Signatures of Convectively Excited Internal Gravity Modes in Main Sequence Stars,” *MNRAS*, 430, 1736
191. D. Lecoanet & **E. Quataert**, 2013, “Internal Gravity Wave Excitation by Turbulent Convection,” *MNRAS*, 430, 2363
192. P. Sharma, M. McCourt, I. J. Parrish, & **E. Quataert**, 2012, “On the Structure of Hot Gas in Halos: Implications for the $L_X - T_X$ Relation & Missing Baryons” *MNRAS*, 427, 1219
193. P. F. Hopkins, D. Keres, N. Murray, **E. Quataert**, & L. Hernquist, 2012, “Stellar Feedback and Bulge Formation in Clumpy Discs,” *MNRAS*, 427, 968
194. J. Schwab, K. J. Shen, **E. Quataert**, M. Dan, & S. Rosswog, 2012, “The Viscous Evolution of White Dwarf Merger Remnants,” *MNRAS*, 427, 190
195. N. Roth, D. Kasen, P. F. Hopkins, & **E. Quataert**, 2012, “3-D Radiative Transfer Calculations of Radiation Feedback from Massive Black Holes: Outflows from the Dusty Torus” *ApJ*, 759, 36
196. J. Dexter & **E. Quataert**, 2012, “Inhomogeneous Accretion Discs and the Soft States of Black Hole X-ray Binaries,” *MNRAS Letters*, 426, L71
197. J. Lynn, I. J. Parrish, **E. Quataert**, & B. D. G. Chandran, 2012, “Resonance Broadening and Heating of Charged Particles in Magnetohydrodynamic Turbulence,” *ApJ*, 758, 78
198. C. Faucher-Giguère & **E. Quataert**, 2012, “The Physics of Galactic Winds Driven by Active Galactic Nuclei,” *MNRAS*, 425, 605
199. M. A. Riquelme, **E. Quataert**, P. Sharma, & A. Spitkovsky, 2012, “Local Axisymmetric Particle-in-Cell Simulations of the Collisionless MRI,” *ApJ*, 755, 50
200. J. Shiode, **E. Quataert**, & P. Arras, 2012, “The Stability of Massive Main Sequence Stars as a Function of Metallicity,” *MNRAS*, 423, 3397
201. D. Lecoanet, I. J. Parrish, & **E. Quataert**, 2012, “The Dynamics of Rayleigh-Taylor Stable and Unstable Contact Discontinuities with Anisotropic Conduction,” *MNRAS*, 423, 1866
202. **E. Quataert** & J. Shiode, 2012, “Wave-Driven Mass Loss in the Last Year of Stellar Evolution: Setting the Stage for the Most Luminous Core-Collapse Supernovae,” *MNRAS Letters*, 423, L92

203. N. N. Weinberg, P. Arras, **E. Quataert**, & J. Burkart, 2012, “Nonlinear Tides in Close Binary Systems,” *ApJ*, 751, 136
204. P. Arras, J. Burkart, **E. Quataert**, & N. N. Weinberg, 2012, “The Radial Velocity Signature of Tides Raised in Stars Hosting Exoplanets,” *MNRAS*, 422, 1761
205. I. J. Parrish, M. McCourt, **E. Quataert**, & P. Sharma, 2012, “The Effects of Anisotropic Viscosity on Turbulence and Heat Transport in the Intracluster Medium,” *MNRAS*, 422, 704
206. P. F. Hopkins, **E. Quataert**, & N. Murray, 2012, “Stellar Feedback in Galaxies and the Origin of Galaxy-scale Winds,” *MNRAS*, 421, 3522
207. P. F. Hopkins, **E. Quataert**, & N. Murray, 2012, “The Structure of the Interstellar Medium of Star Forming Galaxies,” *MNRAS*, 421, 983
208. J. Burkart, **E. Quataert**, P. Arras, & N. N. Weinberg, 2012, “Tidal Asteroseismology: Kepler’s KOI-54,” *MNRAS*, 421, 983
209. P. Sharma, M. McCourt, **E. Quataert**, & I. J. Parrish, 2012, “Thermal Instability and the Feedback Regulation of Hot Halos in Clusters, Groups, and Galaxies,” *MNRAS*, 420, 3174
210. S. B. Cenko **et al.**, 2012, “PTF10iya: A short-lived, luminous flare from the nuclear region of a star-forming galaxy,” *MNRAS*, 420, 2684
211. J. Debuhr, **E. Quataert**, & C. P. Ma, 2012, “Galaxy-Scale Outflows Driven by Active Galactic Nuclei” *MNRAS*, 420, 2221
212. K. J. Shen, L. Bildsten, D. Kasen, & **E. Quataert**, 2012, “The Long-Term Evolution of Double White Dwarf Mergers,” *ApJ*, 748, 35
213. C. Faucher-Giguère, **E. Quataert**, & N. Murray, 2012, “A Physical Model of FeLoBALs: Implications for Quasar Feedback Measurements,” *MNRAS* 420, 1347
214. M. McCourt, P. Sharma, **E. Quataert**, & I. J. Parrish, 2012, “Thermal Instability in Gravitationally-Stratified Plasmas: Implications for Multiphase Structure in Clusters and Galaxy Halos,” *MNRAS*, 419, 3319
215. S. Gillessen, R. Genzel, T. Fritz, **E. Quataert**, et al., 2012 “Watching a Gas Cloud Fall Into the Super-Massive Black Hole in the Galactic Centre,” *Nature* 481, 51
216. I. J. Parrish, M. McCourt, **E. Quataert**, & P. Sharma, 2012, “Turbulent Pressure Support in the Outer Parts of Galaxy Clusters,” *MNRAS Letters*, 419, L29
217. **E. Quataert** & D. Kasen, 2012, “Swift 1644+57: The Longest Gamma-ray Burst?” *MNRAS Letters*, 419, L1
218. N. Bucciantini, B. D. Metzger, T. A. Thompson, & **E. Quataert**, 2012, “Short GRBs with Extended Emission from Magnetar Birth: Jet Formation and Collimation,” *MNRAS*, 419, 1537
219. B. D. G. Chandran, T. Dennis, **E. Quataert**, & S. Bale, 2011, “Incorporating Kinetic Physics into a Two-fluid Solar-wind Model with Temperature Anisotropy and Low-frequency Alfvén-wave Turbulence,” *ApJ*, 743, 197
220. P. F. Hopkins, **E. Quataert**, & N. Murray, 2011, “Self-Regulated Star Formation in Galaxies via Momentum Input from Massive Stars,” *MNRAS*, 417, 950
221. G. G. Howes, J. M. Tenborge, W. Dorland, **E. Quataert**, A. A. Schekochihin, R. Numata, & T. Tatsuno, 2011, “Gyrokinetic Simulations of Solar Wind Turbulence from Ion to Electron Scales,” *PRL*, 107, 035004

222. J. Bloom **et al.**, 2011, “A Relativistic Jetted Outburst From a Massive Black Hole Fed by a Tidally Disrupted Star,” *Science*, 333, 203
223. P. F. Hopkins & **E. Quataert**, 2011, “An Analytic Model of Angular Momentum Transport by Gravitational Torques: From Galaxies to Massive Black Holes,” *MNRAS*, 415, 1027
224. B. C. Lacki, T. A. Thompson, **E. Quataert**, A. Loeb, E. Waxman, 2011, “On the GeV and TeV Detections of the Starburst Galaxies M82 and NGC 253,” *ApJ*, 734, 107
225. L. E. Strubbe & **E. Quataert**, 2011, “Spectroscopic Signatures of the Tidal Disruption of Stars by Massive Black Holes,” *MNRAS*, 415, 168
226. B. D. Metzger, D. Giannios, T. A. Thompson, N. Bucciantini, & **E. Quataert**, 2011, “The Proto-Magnetar Model for Gamma-Ray Bursts,” *MNRAS*, 413, 2031
227. M. McCourt, I. J. Parrish, P. Sharma, & **E. Quataert**, 2010, “Can Conduction Induce Convection? The Nonlinear Saturation of Buoyancy Instabilities in Dilute Plasmas” *MNRAS*, 413, 1295
228. P. F. Hopkins & **E. Quataert**, 2010, “An Explanation for the Slopes of Stellar Cusps in Galaxy Spheroids” *MNRAS Letters*, 411, L61
229. J. Debuhr, **E. Quataert**, & C. P. Ma, 2010, “The Growth of Massive Black Holes in Galaxy Merger Simulations with Feedback by Radiation Pressure,” *MNRAS*, 2011, 412, 1341
230. S. Darbha, B. D. Metzger, **E. Quataert**, D. Kasen, P. Nugent, R. Thomas, 2010, “Nickel-Rich Outflows Produced by the Accretion-Induced Collapse of White Dwarfs: Lightcurves and Spectra,” *MNRAS* 409, 846
231. K. Dodds-Eden, P. Sharma, **E. Quataert**, et al., 2010, “Time Dependent Models of Flares from Sagittarius A*,” *ApJ*, 725, 450
232. P. Chang, L. E. Strubbe, K. Menou, & **E. Quataert**, 2010, “Fossil Gas and the Electromagnetic Precursor of Supermassive Binary Black Hole Mergers,” *MNRAS*, 407, 2007
233. P. F. Hopkins & **E. Quataert**, 2010, “How do Massive Black Holes Get Their Gas?” *MNRAS*, 407, 1529
234. P. Sharma, I. J. Parrish, & **E. Quataert**, 2010, “Thermal Instability with Anisotropic Thermal Conduction and Adiabatic Cosmic Rays: Implications for Cold Filaments in Galaxy Clusters,” *ApJ* 720, 652
235. B. D. G. Chandran, B. Li, B. N. Rogers, **E. Quataert**, & K. Germaschewski, 2010, “Perpendicular Ion Heating by Low-Frequency Alfvén-Wave Turbulence in the Solar Wind,” *ApJ*, 720, 652
236. B. D. Metzger, G. Martinez-Pinedo, S. Darbha, **E. Quataert**, A. Arcones, D. Kasen, R. Thomas, P. Nugent, I. V. Panov, & N. T. Zinner, 2010, “Electromagnetic Counterparts of Compact Object Mergers Powered by the Radioactive Decay of R-process Nuclei,” *MNRAS*, 406, 2650
237. 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*, 405, L41
238. H. B. Perets, A. Gal-Yam, **et al.**, 2010, “A Faint Type of Supernova from a White Dwarf with a Helium-rich Companion,” *Nature*, 465, 7296, 322
239. B. C. Lacki, T. A. Thompson, & **E. Quataert**, 2010, “The Physics of the FIR-Radio Correlation: I. Calorimetry, Conspiracy, and Implications,” *ApJ*, 717, 1
240. P. F. Hopkins & **E. Quataert**, 2010, “The Nuclear Stellar Disk in Andromeda: A Fossil from the Era of Black Hole Growth,” *MNRAS Letters*, 405, L41

241. I. J. Parrish, **E. Quataert**, & P. Sharma, 2010, “Turbulence in Galaxy Cluster Cores: a Key to Cluster Bimodality?” *ApJ Letters*, 712, L194
242. P. Chang & **E. Quataert**, 2010, “Buoyancy Instabilities in Degenerate, Collisional Magnetized Plasmas,” *MNRAS*, 403, 246
243. B. D. Metzger, A. Arcones, **E. Quataert**, & G. Martinez-Pinedo, 2010, “The Effects of R-process Heating on Fall-back Accretion in Compact Object Mergers,” *MNRAS*, 402, 2771
244. P. F. Hopkins, N. Murray, **E. Quataert**, & T. A. Thompson, 2010, “A Maximum Stellar Surface Density in Dense Stellar Systems,” *MNRAS: Letters*, 401, L19
245. P. F. Hopkins, D. Keres, C.P. Ma, & **E. Quataert**, 2010, “When Should We Treat Galaxies as Isolated?” *MNRAS*, 401, 1131
246. G. G. Howes & **E. Quataert**, 2010, “On the Interpretation of Magnetic Helicity Signatures in the Dissipation Range of Solar Wind Turbulence,” *ApJ Letters*, 709, L49
247. 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,” *ApJ*, 709, 191
248. L. E. Strubbe & **E. Quataert**, 2009, “Optical Flares from the Tidal Disruption of Stars by Massive Black Holes,” *MNRAS*, 400, 2070
249. B. D. G. Chandran, **E. Quataert**, G. G. Howes, Q. Xia, & P. Pongkitiwanchakul, 2009, “Constraining Low-Frequency Alfvénic Turbulence in the Solar Wind using Density Fluctuation Measurements,” *ApJ*, 707, 1668
250. R. Lehe, I. J. Parrish, & **E. Quataert**, 2009, “The Heating of Test Particles in Numerical Simulations of Alfvénic Turbulence,” *ApJ*, 707, 404
251. 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*, 103, 1101
252. I. J. Parrish, **E. Quataert**, & P. Sharma, 2009, “Anisotropic Thermal Conduction and the Cooling Flow Problem in Galaxy Clusters,” *ApJ*, 703, 96
253. K. L. Shapiro, R. Genzel, **E. Quataert**, et al., 2009, “The SINS Survey: Broad H α Emission in High-Redshift Star-Forming Galaxies,” *ApJ*, 701, 955
254. 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
255. P. F. Hopkins, R. Hickox, **E. Quataert**, & L. Hernquist, 2009, “Are Most Low-Luminosity AGN Really Obscured?,” *MNRAS*, 398, 333
256. 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
257. T. A. Thompson, **E. Quataert**, & N. Murray, 2009, “Radio Emission from Supernova Remnants: Implications for Post-Shock Magnetic Field Amplification and the Magnetic Fields of Galaxies,” *MNRAS*, 397, 1410
258. 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
259. 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

260. 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
261. 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
262. 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
263. 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
264. J. F. Drake et al., 2009, “Ion Heating Resulting from Pickup in Magnetic Reconnection Exhausts,” *JGR*, 114, A05111
265. 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
266. 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
267. B. D. Metzger, A. L. Piro, & **E. Quataert**, 2009, “Time Dependent Models of Accretion Disks Formed During Compact Object Mergers,” *MNRAS*, 390, 781
268. P. Sharma, **E. Quataert**, & J. M. Stone, 2008, “Spherical Accretion with Anisotropic Thermal Conduction,” *MNRAS*, 389, 1815
269. N. N. Weinberg & **E. Quataert**, 2008, “Nonlinear Saturation of g-modes in Proto-Neutron Stars: Quieting the Acoustic Engine,” *MNRAS*, 387, L64
270. T. Robishaw, **E. Quataert**, & C. Heiles, 2008, “Extragalactic Zeeman Detections in OH Megamasers,” *ApJ*, 680, 981
271. 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
272. 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
273. I. J. Parrish & **E. Quataert**, 2008, “Nonlinear Simulations of the Heat Flux Driven Buoyancy Instability and its Implications for Galaxy Clusters,” *ApJ Letters*, 677, L9
274. B. D. Metzger, T. A. Thompson, & **E. Quataert**, 2008, “On the Conditions for Neutron-rich Gamma-ray Burst Outflows,” *ApJ*, 676, 1130
275. 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
276. **E. Quataert**, 2008, “Buoyancy Instabilities in Weakly Magnetized Low Collisionality Plasmas,” *ApJ*, 673, 758
277. M. Boylan-Kolchin, C.P. Ma, & **E. Quataert**, 2008, “Dynamical Friction and Galaxy Merging Timescales,” *MNRAS*, 383, 93

278. 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
279. P. Sharma, **E. Quataert**, & J. M. Stone, 2007, “Faraday Rotation in Global Accretion Disk Simulations: Implication for Sgr A*,” ApJ, 671, 1696
280. 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
281. P. Chang, R. Murray-Clay, E. Chiang, & **E. Quataert**, 2007, “The Origin of the Young Stars in the Nucleus of M31,” ApJ, 668, 236
282. P. Sharma, **E. Quataert**, G. W. Hammett, & J. M. Stone, 2007, “Electron Heating in Hot Accretion Flows,” ApJ, 667, 714
283. N. J. Turner, **E. Quataert**, & H. W. Yorke, 2007, “Photon Bubbles in the Circumstellar Envelopes of Young Massive Stars,” ApJ, 662, 1052
284. 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
285. L. Desroches, **E. Quataert**, C.P. Ma, & A. West, 2007, “Luminosity Dependence in the Fundamental Plane Projections of Elliptical Galaxies,” MNRAS, 377, 402
286. B. Johnson & **E. Quataert**, 2007, “The Effects of Thermal Conduction on Radiatively-Inefficient Accretion Flows,” ApJ, 660, 1273
287. N. Murray, C. L. Martin, **E. Quataert**, & T. A. Thompson, 2007, “The Ionization State of Sodium in Galactic Winds,” ApJ, 660, 211
288. B. D. Metzger, T. A. Thompson, & **E. Quataert**, 2007, “Proto-Neutron Star Winds with Magnetic Fields and Rotation,” ApJ, 659, 561
289. T. A. Thompson, **E. Quataert**, & E. Waxman, 2007, “The Starburst Contribution to the Extragalactic γ -ray Background,” ApJ, 654, 219
290. 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
291. 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
292. 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
293. N. Bucciantini, T. A. Thompson, J. Arons, **E. Quataert**, & L. DelZanna, 2006, “Relativistic MHD Winds from Rotating Neutron Stars,” MNRAS, 368, 1717
294. S. Gillessen, F. Eisenhauer, **E. Quataert**, et al., 2006, “Variations in the Spectral Slope of Sgr A* during a NIR Flare,” ApJ, 640, L163
295. 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
296. P. Sharma, G. W. Hammett, **E. Quataert**, & J. M. Stone, 2006, “Shearing Box Simulations of the MRI in a Collisionless Plasma,” ApJ, 637, 952
297. **E. Quataert** & A. Loeb, 2005, “Nonthermal THz to TeV Emission from Stellar Wind Shocks in the Galactic Center,” ApJ, 635, L45

298. M. Boylan-Kolchin, C.P. Ma, & **E. Quataert**, 2005, “Dissipationless Mergers of Elliptical Galaxies and the Evolution of the Fundamental Plane,” *MNRAS*, 362, 184
299. T. A. Thompson, **E. Quataert**, & N. Murray, 2005, “Radiation Pressure Supported Starburst Disks and AGN Fueling,” *ApJ*, 630, 167
300. J. Goldston, **E. Quataert**, & I. Igumenshchev, 2005, “Synchrotron Radiation from Radiatively Inefficient Accretion Flow Simulations: Applications to Sgr A*,” *ApJ*, 621, 785
301. T. Thompson, **E. Quataert**, & A. Burrows, 2005, “Viscosity and Rotation in Core-Collapse Supernovae,” *ApJ*, 620, 861
302. M. Volonteri, P. Madau, **E. Quataert**, & M. Rees, 2005, “The Distribution and Cosmic Evolution of Massive Black Hole Spins,” *ApJ* 620, 69
303. R. Narayan & **E. Quataert**, 2005, “Black Hole Accretion,” *Science*, 307, 77
304. 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
305. M. Boylan-Kolchin, C.P. Ma, & **E. Quataert**, 2004, “Core Formation in Galactic Nuclei Due to Recoiling Black Holes,” *ApJ Letters*, 613, L37
306. **E. Quataert**, 2004, “A Dynamical Model for Hot Gas in the Galactic Center,” *ApJ*, 613, 322
307. 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
308. T. A. Thompson, P. Chang, & **E. Quataert**, 2004, “Magnetar Spindown, Hyper-Energetic Supernovae, and Gamma Ray Bursts,” *ApJ*, 611, 380
309. P. Madau & **E. Quataert**, 2004, “The Effect of Gravitational-Wave Recoil on the Demography of Massive Black Holes,” 606, L17
310. F. Yuan, **E. Quataert**, & R. Narayan, 2004, “On the Nature of the Variable Infrared Emission from Sgr A*,” *ApJ*, 606, 894
311. 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
312. F. Yuan, **E. Quataert**, & R. Narayan, 2003, “Nonthermal Electrons in Radiatively Inefficient Accretion Flow Models of Sgr A*,” *ApJ*, 598, 301
313. P. Sharma, G. W. Hammett, & **E. Quataert**, 2003, “Transition from Collisionless to Collisional MRI,” *ApJ*, 596, 1121
314. **E. Quataert**, W. Dorland, & G. W. Hammett, 2002, “The Magnetorotational Instability in a Collisionless Plasma,” *ApJ*, 577, 524
315. R. Narayan, **E. Quataert**, I. Igumenshchev, & M. Abramowicz, 2002, “The Magnetohydrodynamics of Convection-Dominated Accretion Flows,” *ApJ*, 577, 295
316. **E. Quataert**, 2002, “A Thermal Bremsstrahlung Model For the Quiescent X-ray Emission from Sagittarius A*,” *ApJ*, 575, 855
317. M. Abramowicz, I. Igumenshchev, **E. Quataert**, & R. Narayan, 2002, “On the Radial Structure of Radiatively Inefficient Accretion Flows with Convection,” *ApJ* 565, 1101
318. K. Menou & **E. Quataert**, 2001, “Activity From Tidal Disruptions in Galactic Nuclei,” *ApJ*, 562, L137

319. A. Aguirre, J. Schaye, & **E. Quataert**, 2001, “Problems for MOND in Clusters and the Lyman- α Forest,” *ApJ*, 561, 550
320. 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
321. G. Ball, R. Narayan, & **E. Quataert**, 2001, “Spectral Models of Convection Dominated Accretion Flows,” *ApJ*, 552, 221
322. K. Menou & **E. Quataert**, 2001, “Ionization, Magneto-rotational, and Gravitational Instabilities in Thin Accretion Disks Around Supermassive Black Holes,” *ApJ*, 552, 204
323. **E. Quataert** & A. Gruzinov, 2000, “Constraining the Accretion Rate onto Sagittarius A* Using Linear Polarization,” *ApJ*, 545, 842
324. **E. Quataert** & E. Chiang, 2000, “Angular Momentum Transport in Particle and Fluid Disks,” *ApJ*, 543, 432
325. **E. Quataert** & A. Gruzinov, 2000, “Convection-Dominated Accretion Flows,” *ApJ*, 539, 809
326. Z. Haiman, M. Spaans, & **E. Quataert**, 2000, “Lyman Alpha Cooling Radiation from High-Redshift Halos,” *ApJ*, 537, L5
327. 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
328. **E. Quataert** and R. Narayan, 2000, “The Cooling Flow to Accretion Flow Transition,” *ApJ*, 528, 236
329. **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
330. A. Gruzinov & **E. Quataert**, 1999, “The Proton Distribution Function in Weakly Magnetized Turbulent Plasmas,” *ApJ*, 520, 849
331. **E. Quataert** & R. Narayan, 1999, “Spectral Models of Advection-Dominated Accretion Flows with Winds,” *ApJ*, 520, 298
332. **E. Quataert** & A. Gruzinov, 1999, “Turbulence and Particle Heating in Advection-Dominated Accretion Flows,” *ApJ*, 520, 248
333. **E. Quataert**, R. Narayan, & M. Reid, 1999, “What is the Accretion Rate in Sgr A*?,” *ApJ*, 517, L101
334. **E. Quataert** & R. Narayan, 1999, “On the Energetics of Advection-Dominated Accretion Flows,” *ApJ*, 516, 399
335. **E. Quataert**, 1998, “Particle Heating by Alfvénic Turbulence in Hot Accretion Flows,” *ApJ*, 500, 978
336. P. Kumar & **E. Quataert**, 1998, “On the Orbital Decay of the PSR J0045-7319 Binary,” *ApJ*, 493, 412
337. R. Mahadevan & **E. Quataert**, 1997, “Are Particles in Advection Dominated Accretion Flows Thermal?” *ApJ*, 490, 605
338. P. Kumar & **E. Quataert**, 1997, “Differential Rotation Enhanced Dissipation of Tides in the PSR J0045-7319 Binary,” *ApJ*, 479, L51

339. P. Kumar & **E. Quataert**, 1996, "Angular Momentum Transport by Gravity Waves and Its Effect on the Rotation of the Solar Interior," *ApJ*, 475, L143
340. **E. Quataert**, P. Kumar, & C. Ao, 1996, "On the Validity of the Classical Apsidal Motion Formula," *ApJ*, 463, 284
341. P. Kumar, **E. Quataert**, & J. Bahcall, 1996, "Observational Searches for Solar g-modes: Some Theoretical Considerations," *ApJ*, 458, L83
342. 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