

# Curriculum Vitae

## Eliot Quataert

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### ACADEMIC POSITIONS

7/20 – present	Charles A. Young Professor of Astronomy, Princeton University
7/20 – present	Professor of Astrophysical Sciences, Princeton University
7/08 – 6/20	Professor of Astronomy and Physics, UC Berkeley
7/19 – 6/20	Chair, Department of Astronomy, 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

- 2023-present Advisory Board, Miller Institute for Basic Research in Science, UC Berkeley
- 2023-present Advisory Board, CIERA, Northwestern
- 2022-present International Advisory Committee, Higgs Centre, University of Edinburgh
- 2021-present LIGO Lab Oversight Committee
- 2021-2024 Advisory Board, Kavli Institute for Theoretical Physics
- 2021-2024 Science Advisory Committee, Kavli Institute for Astronomy & Astrophysics, Beijing
- 2019-2021: Survey Steering Committee, 2020 Decadal Survey for Astronomy & Astrophysics, National Academy of Sciences
- 2016-2022: Space Studies Board, National Academy of Sciences
- 2015-2022: Editorial Board, Annual Reviews of Astronomy & Astrophysics
- 2012-2013: Executive Committee, Miller Institute for Basic Research in Science
- 2010-2014: LIGO Astronomy & Astrophysics Advisory Panel

- 2009-2010: National Academy of Sciences Astro2010 Science Frontier Panel
- 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  <i>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</i>
2009	Miller Research Professorship (Berkeley)
2008	Helen B. Warner Prize (American Astronomical Society)  <i>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</i>
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

2023	Ne'eman Memorial Lecture (Tel Aviv)
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 REFEREEED JOURNALS

1. P. Kempski, D. Li, D. B. Fielding, **E. Quataert** et al., 2025, “A Unified Model of Cosmic Ray Propagation and Radio Extreme Scattering Events from Intermittent Interstellar Structures,” ApJ, submitted
2. K. De, M. MacLeod, J. Jencson, 2025, “The disappearance of a massive star marking the birth of a black hole in M31,” Science submitted
3. J. Squire, **E. Quataert**, & P. F. Hopkins, 2025, “Rapid, strongly magnetized accretion in the zero-net-vertical-flux shearing box,” ApJ submitted
4. Z. Gelles, A. Chael, & **E. Quataert**, 2025, “Signatures of Black Hole Spin and Plasma Acceleration in Jet Polarimetry,” ApJ submitted
5. A. Galishnikova, A. Philippov, **E. Quataert** et al. 2025, “Strongly magnetized accretion with low angular momentum produces a weak jet,” ApJ in press
6. B. Margalit & **E. Quataert**, 2024, “The Peak Frequency and Luminosity of Synchrotron Emitting Shocks: from Non-Relativistic to Ultra-Relativistic Explosions,” ApJ, 977, 134
7. P. Z. Yao, **E. Quataert**, Y.-F. Jiang, W. Lu, & C. J. White, 2024, “Star-Disk Collisions: Implications for QPEs and Other Transients Near Supermassive Black Holes, ApJ in press
8. T. Faran, C. D. Matzner, & **E. Quataert**, 2024, “Nonlinear Perturbations and Weak Shock Waves in Isentropic Atmospheres,” ApJ, 976, 97
9. H. Jia, **E. Quataert**, A. Lupsasca, & G. Wong, 2024, “Photon ring interferometric signatures beyond the universal regime,” PRD, 110, 3044
10. I. Linial I & **E. Quataert**, “Tidal Disruption of a Star on a Nearly Circular Orbit,” 2024, ApJ, 974, 67
11. M. Guo, J. M. Stone, **E. Quataert**, & C-G. Kim, 2024, “Magnetized Accretion onto and Feedback from Supermassive Black Holes in Elliptical Galaxies,” ApJ, 973, 141
12. J. Stern et al., 2024, “Accretion onto disk galaxies via hot and rotating CGM inflows,” MNRAS, 570, 1711
13. C. Bambic, **E. Quataert**, & M. Kunz, 2024, “Local models of two-temperature accretion disc coronae. I. Structure, outflows, and energetics,” MNRAS, 527, 2895
14. G. Sato-Polito, M. Zaldarriaga, & **E. Quataert**, 2024, “Where are the supermassive black holes measured by PTAs?” 2024, PRD, 110, 3020
15. K. C. Patra, W. Lu, Y. Ma, **E. Quataert** et al., 2024, “Constraints on the narrow-line region of the X-ray quasi-periodic eruption source GSN 069”, MNRAS, 530, 5120
16. R. Mohapatra & **E. Quataert**, 2024, “Multiphase Gas in Elliptical Galaxies: The Role of Type Ia Supernovae,” ApJ, 965, 105
17. P. F. Hopkins, J. Squire, **E. Quataert**, et al., 2024, “An Analytic Model For Magnetically-Dominated Accretion Disks,” OJAp, 7, 20
18. P. F. Hopkins, G. Y. Grudic, K-Y. Su, 2024, “FORGE’d in FIRE: Resolving the End of Star Formation and Structure of AGN Accretion Disks from Cosmological Initial Conditions,” OJAp, 7, 18
19. I. Butsky, P. F. Hopkins, P. Kempski, et al., 2024, “Galactic cosmic-ray scattering due to intermittent structures,” 528, 4245

20. S. Ponnada, G. V. Panopoulou, G. V., I. S. Butsky, et al, 2024, “Synchrotron emission on FIRE: equipartition estimators of magnetic fields in simulated galaxies with spectrally resolved cosmic rays,” MNRAS, 5271, 1707
21. P. Nagarajan, K. El-Badry, A. Triaud, et al., 2024, “ESPRESSO Observations of Gaia BH1: High-precision Orbital Constraints and no Evidence for an Inner Binary,” PASP, 126, 4202
22. I. Linial I & **E. Quataert**, “Period evolution of repeating transients in galactic nuclei,” 2024, MNRAS, 527, 4317
23. O. Gottlieb, B. D. Metzger, **E. Quataert**, et al. 2023, “A Unified Picture of Short and Long Gamma-Ray Bursts from Compact Binary Mergers,” ApJ, 958, 33
24. H. Jia, B. Ripperda, **E. Quataert**, et al. 2023, “Millimeter Observational Signatures of Flares in Magnetically Arrested Black Hole Accretion Models,” MNRAS, 526, 2924
25. A. Chael, A. Lupsasca, G. Wong, & **E. Quataert**, 2023, “Black Hole Polarimetry I: A Signature of Electromagnetic Energy Extraction,” ApJ, 958, 65
26. A. Galishnikova, A. Philippov, & **E. Quataert**, 2023, “Polarized anisotropic synchrotron emission and absorption and its application to Black Hole Imaging,” ApJ, 957, 103
27. P. Kempinski, D. Fielding, **E. Quataert**, et al., 2023, “Cosmic ray transport in large-amplitude turbulence with small-scale field reversals,” MNRAS, 525, 4985
28. R. Mohapatra, P. Sharma, C. Federrath, & **E. Quataert**, 2023, “Multiphase condensation in cluster haloes: interplay of cooling, buoyancy, and mixing,”, MNRAS, 525, 3831
29. P. Z. Yao & **E. Quataert**, 2023, “The Origin of the Consistent Planetary Nebula Luminosity Function Bright-end Cutoff,” ApJ, 957, 30
30. A. Antoni & **E. Quataert**, 2023, “Numerical Simulations of the Random Angular Momentum in Convection II: Delayed Explosions of Red Supergiants Following “Failed” Supernovae,” MNRAS, 525, 1229
31. P. F. Hopkins et al., 2023, “What causes the formation of discs and end of bursty star formation?”, MNRAS, 525, 2241
32. S. Modak, **E. Quataert**, Y-F Jiang, & T. A. Thompson, 2023, “Cosmic-ray driven galactic winds from the warm interstellar medium,” 524, 6374
33. W. Lu & **E. Quataert**, 2023, “Quasi-periodic Eruptions from Mildly Eccentric Unstable Mass Transfer in Galactic Nuclei”, MNRAS, 524, 6247
34. P. Kempinski, **E. Quataert**, & J. Squire, 2023, “A New Buoyancy Instability in Galaxy Clusters Due to Streaming Cosmic Rays,” MNRAS, 524, 1893
35. Y. Yao et al., 2023, “Tidal Disruption Event Demographics with the Zwicky Transient Facility: Volumetric Rates, Luminosity Function, and Implications for the Local Black Hole Mass Function,” ApJ, 955, L6
36. P. Z. Yao, **E. Quataert**, & A. Goulding, 2023, “Observational Signatures of Carbon-Oxygen White Dwarf Merger Remnants,” MNRAS, 524, 1031
37. O. Gottlieb et al., 2023, “Large-scale Evolution of Seconds-long Relativistic Jets from Black Hole-Neutron Star Mergers,” ApJ, 954, 21
38. O. Gottlieb et al., 2023, “Hours-long Near-UV/Optical Emission from Mildly Relativistic Outflows in Black Hole-Neutron Star Mergers,” ApJ, 953, 11

39. J. Squire, M. W. Kunz et al., 2023, “Pressure anisotropy and viscous heating in weakly collisional plasma turbulence,” *JPlPh*, 89, 9017
40. W. Lu & **E. Quataert**, 2023, “Late-time Accretion in Neutron Star Mergers: Implications for Short Gamma-ray Bursts and Kilonovae”, *MNRAS*, 522, 4
41. R. Feldmann, **E. Quataert** et al., 2023, “FIREbox: Simulating galaxies at high dynamic range in a cosmological volume,” *MNRAS*, 522, 3831
42. K. El-Badry, H.-W. Rix, et al, 2023, “A Red-giant Orbiting a Black Hole,” *MNRAS*, 521, 3
43. E. Most & **E. Quataert**, 2023, “Flares, Jets, and Quasiperiodic Outbursts from Neutron Star Merger Remnants,” *ApJL*, 947, 1
44. S. Ressler, C. J. White, & **E. Quataert**, 2023, “Wind-fed GRMHD simulations of Sagittarius A\*: tilt and alignment of jets and accretion discs, electron thermodynamics, and multiscale modelling of the rotation measure”, *MNRAS*, 521, 3
45. R. Narayan & **E. Quataert**, 2023, “Black Holes Up Close,” *Nature*, 615, 7953
46. A. Galishnikova, A. Philippov, **E. Quataert**, et al., 2023, “Collisionless Accretion onto Black Holes: Dynamics and Flares”, *PRL* 130, 11
47. M. Guo, J. M. Stone, C-G. Kim, & **E. Quataert**, 2023, “Toward Horizon-scale Accretion Onto Supermassive Black Holes in Elliptical Galaxies,” *ApJ*, 946, 26
48. S. Wellons, C.-A. Faucher-Giguère, P. F. Hopkins, **E. Quataert** et al, 2023, “Exploring supermassive black hole physics and galaxy quenching across halo mass in FIRE cosmological zoom simulations,” *MNRAS*, 520, 5394
49. L. Arzamasskiy, M. W. Kunz., J. Squire, **E. Quataert**, & A. A. Schekochihin, 2023, “Kinetic Turbulence in Collisionless High-Beta Plasmas,” *PRX*, 13, 2
50. O. Sameie, M. Boylan-Kolchin, P. F. Hopkins, et al., 2023, “Formation of proto-globular cluster candidates in cosmological simulations of dwarf galaxies at  $z > 4$ ,” *MNRAS*, 522, 1800
51. W. Lu, J. Fuller, **E. Quataert**, & C. Bonnerot, 2023, “On rapid binary mass transfer – I. Physical model,” *MNRAS*, 519, 1409
52. K. El-Badry, H.-W. Rix, **E. Quataert**, et al, 2023, “A Sun-like Star Orbiting a Black Hole,” *MNRAS*, 518, 1057
53. P. F. Hopkins, A. Wetzel, C. Wheeler, et al., 2023, “FIRE-3: Updated Stellar Evolution Models, Yields, & Microphysics and Fitting Functions for Applications in Galaxy Simulations,” *MNRAS*, 519, 3154
54. K. El-Badry, C. Conroy, **E. Quataert**, et al., 2022, “Birth of a Be star: an APOGEE search for Be stars forming through binary mass transfer,” *MNRAS*, 516, 3602
55. B. Margalit, A. S. Jermyn, B. D. Metzger, L. F. Roberts, & **E. Quataert**, 2022, “Angular Momentum Transport in Proto-Neutron Stars and the Fate of Neutron Star Merger Remnants,” *ApJ*, 939, 51
56. H. Hu, K. Inayoshi, Z. Haiman, W. Li, **E. Quataert**, & R. Kuiper, 2022, “Supercritical growth pathway to overmassive black holes at cosmic dawn: coevolution with massive quasar hosts,” *ApJ*, 935, 140
57. H. Hu, K. Inayoshi, Z. Haiman, **E. Quataert**, & R. Kuiper, 2022, “Long-term evolution of supercritical black hole accretion with outflows: a subgrid feedback model for cosmological simulations,” *ApJ*, 934, 142

58. P. F. Hopkins, I. Butsky, G. V. Panopoulou, S. Ji, **E. Quataert**, et al., 2022, “First Predicted Cosmic Ray Spectra, Primary-to-Secondary Ratios, and Ionization Rates from MHD Galaxy Formation Simulations,” *MNRAS*, 516, 3470
59. K. J. Shen & **E. Quataert**, 2022, “Binary Interaction Dominates Mass Ejection in Classical Novae, *ApJ*, 938, 31
60. Z. Hafen, J. Stern, J. Bullock et al., 2022, “Hot-mode accretion and the physics of thin-disk galaxy formation,” *MNRAS*, 514, 5056
61. P. Kempinski & **E. Quataert**, 2022, “Reconciling Cosmic-Ray Transport Theory with Phenomenological Models Motivated by Milky-Way Data,” *MNRAS*, 514, 657
62. H. Jia, C. J. White, **E. Quataert**, & S. M. Ressler 2022, “Observational Signatures of Black Hole Accretion: Rotating vs. Spherical Flows with Tilted Magnetic Fields,” 513, 1392
63. E. Kado-Fong, R. Sanderson, J. Greene, E. Cunningham, et al., 2022, “The In-situ Origins of Dwarf Stellar Outskirts in FIRE-2,” *ApJ*, 931, 152
64. B. Margalit, **E. Quataert**, & A. Y. Q. Ho, 2022, “Optical to X-ray Signatures of Dense Circumstellar Interaction in Core-Collapse Supernovae,” *ApJ*, 928, 122
65. J. Squire, R. Meyrand, M. W. Kunz, et al., 2022, “The Helicity Barrier: How Low-frequency Turbulence Triggers High-frequency Solar-wind Heating,” *Nature Astronomy*, 6, 715
66. J. Moreno, S. Danieli, J. Bullock, et al., 2022, “Galaxies lacking dark matter produced by close encounters in a cosmological simulation,” *Nature Astronomy*, 6, 496
67. B. Margalit & E. Quataert, 2022, “Thermal Electrons in Mildly-relativistic Synchrotron Blast-waves,” *ApJ*, 923, L14
68. A. Antoni & **E. Quataert**, 2022, “Numerical Simulations of the Random Angular Momentum in Convection: Implications for Supergiant Collapse to Form Black Holes,” *MNRAS*, 511, 176
69. C. J. White & **E. Quataert**, 2022, “The Effects of Tilt on the Time Variability of Millimeter and Infrared Emission from Sagittarius A\*,” *MNRAS*, 926, 136
70. H. Klion, A. Tchekhovskoy, D. Kasen, A. Kathirgamaraju, **E. Quataert**, & R. Fernandez, 2022, “The Impact of R-process Heating on the Dynamics of Neutron Star Merger Accretion Disc Winds and their Electromagnetic Radiation,” *MNRAS*, 510, 2968
71. **E. Quataert**, Y.-F. Jiang, & T. A. Thompson, 2022, “The Physics of Galactic Winds Driven by Cosmic Rays II: Isothermal Streaming Solutions,” *MNRAS*, 510, 920
72. C. W. Trapp, D. Kereš, T. K. Chan et al, 2022, “Gas infall and radial transport in cosmological simulations of milky way-mass discs’,” *MNRAS*, 509, 4149
73. **E. Quataert**, T. A. Thompson, & Y.-F. Jiang, 2022, “The Physics of Galactic Winds Driven by Cosmic Rays I: Diffusion,” *MNRAS*, 510, 920
74. K. El-Badry, H.-W. Rix, **E. Quataert**, et al., 2021, “Birth of the ELMs: a ZTF Survey for Evolved Cataclysmic Variables Turning into Extremely Low-Mass White Dwarfs,” *MNRAS*, 508, 4106
75. V. Pandya, D. Fielding, D. Anglés-Alcázar, R. S. Somerville, et al., 2021, “Characterizing Mass, Momentum, Energy and Metal Outflow Rates of Multi-phase Galactic Winds in the FIRE-2 Cosmological Simulations,” *MNRAS*, 508, 2979
76. B. Margalit & **E. Quataert**, 2021, “Thermal Electrons in Mildly-relativistic Synchrotron Blast-waves,” *ApJL*, 923, L14

77. A. F. A. Bott, L. Arzamasskiy, M. W. Kunz, **E. Quataert**, & J. Squire, 2021, “Adaptive Critical Balance and Firehose Instability in an Expanding, Turbulent, Collisionless Plasma,” *ApJ*, 922, L35
78. D. Lecoanet, M. Cantiello, E. H. Anders, **E. Quataert**, et al., 2021 “Surface manifestation of stochastically excited internal gravity waves,” *MNRAS*, 5018, 132
79. J. Stern, A. Sternberg, C.-A. Faucher-Giguère, Z. Hafen, D. Fielding, **E. Quataert**, et al., 2021, “Neutral CGM as Damped Lyman- $\alpha$  Absorbers at High Redshift,” *MNRAS*, 507, 2869
80. S. Ginzburg & **E. Quataert**, 2021, “Novae Heat Their Food: Mass Transfer by Irradiation,” *MNRAS*, 507, 475
81. M. Y. Grudic, J. M. D. Kruijssen, C.-A. Faucher-Giguère, et al., 2021, “A model for the formation of stellar associations and clusters from giant molecular clouds,” *MNRAS*, 506, 3293
82. K. El-Badry, **E. Quataert**, H.-W. Rix, D. R. Weisz, et al., 2021, “LAMOST J0140355+392651: An Evolved Cataclysmic Variable Donor Transitioning to Become an Extremely Low Mass White Dwarf,” *MNRAS*, 505, 2051
83. S. Yu, J. S. Bullock, C. Klein, J. Stern, et al., 2021, “The Bursty Origin of the Milky Way Thick Disc,” *MNRAS*, 505, 889
84. C. J. Esmerian, A. V. Kravtsov, Z. Hafen, C.-A. Faucher-Giguère, **E. Quataert**, et al., 2021, “Thermal Instability in the CGM of  $L_*$  Galaxies: Testing ‘Precipitation’ Models with the FIRE Simulations,” *MNRAS*, 505, 1841
85. D. Anglés-Alcázar, **E. Quataert**, P. F. Hopkins, R. S. Somerville, et al., 2021, “Cosmological Simulations of Quasar Fueling to Sub-parsec Scales Using Lagrangian Hyper-refinement,” *ApJ*, 917, 53
86. S. Ressler, **E. Quataert**, C. J. White, & O. Blaes, 2021, “Magnetically Modified Spherical Accretion in GRMHD: Reconnection-Driven Convection and Jet Propagation,” *MNRAS*, 504, 6076
87. S. Ji, D. Kereš, T. K. Chan, J. Stern, C. B. Hummels, et al., 2021, “Virial Shocks are Suppressed in Cosmic ray-dominated Galaxy Halos,” *MNRAS*, 505, 259
88. P. Beniamini, P. Kumar, X. Ma, & **E. Quataert**, 2021, “Exploring the Epoch of Hydrogen Reionization Using FRBs,” *MNRAS*, 502, 5134
89. J. Squire, P. F. Hopkins, **E. Quataert**, & P. Kempinski, 2021, “The Impact of Astrophysical Dust Grains on the Confinement of Cosmic Rays,” *MNRAS*, 502, 2630
90. H. Klion, P. C. Duffell, D. Kasen, & **E. Quataert**, 2021, “The Effect of Jet-Ejecta Interaction on the Viewing Angle Dependence of Kilonova Light Curves,” *MNRAS*, 502, 865
91. S. Ginzburg & **E. Quataert**, 2021, “Black Widow Formation by Pulsar Irradiation and Sustained Magnetic Braking,” *MNRAS*, 500, 1592
92. J. Stern, D. Fielding, C.-A. Faucher-Giguère, **E. Quataert**, et. al., 2021, “Virialization of the Inner CGM in the FIRE Simulations and Implications for Galaxy Disks, Star Formation and Feedback,” *ApJ*, 911, 88
93. T. Berlok, **E. Quataert**, M. Pessah, & C. Pfrommer, 2021, “Suppressed Heat Conductivity in the Intracluster Medium: Implications for the Magneto-thermal Instability,” *MNRAS*, 504, 3435
94. K. El-Badry & **E. Quataert**, 2021, “A Stripped-Companion Origin for Be stars: Clues from the Putative Black Holes HR 6819 and LB-1,” *MNRAS*, 502, 3436

95. P. F. Hopkins, J. Squire, T. K. Chan, **E. Quataert**, et al., 2021, “Testing Physical Models for Cosmic Ray Transport Coefficients on Galactic Scales: Self-Confinement and Extrinsic Turbulence at GeV Energies,” MNRAS, 501, 4184
96. P. F. Hopkins, T. K. Chan, S. Ji, et al., 2021, “Cosmic-Ray Driven Outflows to Mpc Scales from  $L_*$  Galaxies,” MNRAS , 501, 3640
97. P. F. Hopkins, T. K. Chan, J. Squire, **E. Quataert**, et al., 2021, “Effects of Different Cosmic Ray Transport Models on Galaxy Formation,” MNRAS, 501, 3663
98. A. B. Gurvich, C.-A. Faucher-Giguère, A. J. Richings, et al., 2020, “Pressure Balance in the Multiphase ISM of Cosmologically Simulated Disk Galaxies,” MNRAS, 498, 3664
99. W. M. Kunz, J. Squire, A. A. Schekochihin, & **E. Quataert**, 2020, “Self-Sustaining Sound in Collisionless High- $\beta$  Plasmas,” Journal of Plasma Physics, 86, 6
100. 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, 905, 58
101. 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, 898, 23
102. P. Torrey, P. F. Hopkins, C.-A. Faucher-Giguère, D. Anglés-Alcázar, **E. Quataert**, et al., 2020, “The Impact of AGN Wind Feedback in Simulations of Isolated Galaxies with a Multiphase ISM,” MNRAS, 497, 5292
103. S. Ji, T. K. Chan, C. B. Hummels, et al., 2020, “Properties of the Circumgalactic Medium in Cosmic Ray-Dominated Galaxy Halos,” MNRAS, 496, 4221
104. 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
105. 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
106. K. El-Badry & **E. Quataert**, 2020, “Not so Fast: LB-1 is Unlikely to Contain a  $70 M_\odot$  Black Hole,” MNRAS, 493, L22
107. R. Anantua, S. Ressler, & **E. Quataert**, 2020, “On the comparison of AGN with GRMHD simulations: I. Sgr A\*,” 493, 1404
108. 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
109. S. Ginzburg & **E. Quataert**, 2020, “Black Widow Evolution: Magnetic Braking by an Ablated Wind,” MNRAS, 495, 3656
110. P. Kempinski, **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
111. 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
112. 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
113. 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

114. 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
115. 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
116. 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
117. P. Kempinski & **E. Quataert**, 2019, “Thermal Instability of Halo Gas Heated by Streaming Cosmic Rays,” MNRAS, 493, 1801
118. K. J. Shen, **E. Quataert**, & R. Pakmor, 2019, “The Progenitors of Calcium-Strong Transients, ApJ, 887, 180
119. D. Lecoanet, M. Cantiello, **E. Quataert**, L. Couston, et al., 2019, “Low-Frequency Variability in Massive Stars: Core Generation or Surface Phenomenon?” ApJL, 886, L15
120. 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
121. 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
122. 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
123. C. J. White, **E. Quataert**, & C. F. Gammie, 2020, “The Structure of Radiatively Inefficient Black Hole Accretion Flows,” ApJ, 891, 63
124. 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
125. J. Stern, D. Fielding, C.-A. Faucher-Giguère, & **E. Quataert**, 2019, “Cooling Flow Solutions for the Circumgalactic Medium,” ApJ, 488, 2549
126. 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
127. L. Liang, R. Feldmann, D. Kereš, et al., 2019, “On the Dust Temperature of High Redshift Galaxies,” MNRAS, 489, 1397
128. Y. Li, G. L. Bryan, & **E. Quataert**, 2019, “The Fate of AGB Winds in Massive Galaxies and the Intracluster Medium,” ApJ, 847, 41
129. 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
130. 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
131. 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
132. 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

133. L. Arzamasskiy, M. W. Kunz, B. D. G. Chandran, & **E. Quataert**, “Hybrid-Kinetic Simulations of Ion Heating in Alfvénic Turbulence,” 2019, *ApJ*, 879, 53
134. 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
135. P. Kempinski, **E. Quataert**, J. Squire, & M. W. Kunz, 2019, “Shearing-Box Simulations of MRI-Driven Turbulence in Weakly Collisional Accretion Discs,” *MNRAS*, 486, 4013
136. **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
137. C. J. White, J. M. Stone, & **E. Quataert**, 2019, “A Resolution Study of Magnetically Arrested Disks,” *ApJ*, 874, 168
138. 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
139. 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
140. D. Martizzi, **E. Quataert**, C.-A. Faucher-Giguère, & D. Fielding, 2019, “Simulations of Jet Heating in Galaxy Clusters: Successes and Challenges,” *MNRAS*, 483, 2465
141. 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
142. 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
143. J. Squire, A. A. Schekochihin, **E. Quataert**, & M. W. Kunz, 2019, “Magneto-immutable Turbulence in Weakly Collisional Plasmas,” *Journal of Plasma Physics*, 85, 9014
144. 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
145. 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
146. 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
147. 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
148. 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
149. 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
150. 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
151. 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

152. 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
153. M. Belyaev & **E. Quataert**, 2018, "Inefficient Angular Momentum Transport in Accretion Disk Boundary Layers: Angular Momentum Belt in the Boundary Layer," MNRAS, 479, 1528
154. 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
155. B. R. Ryan, S. M. Ressler, J. C. Dolence, C. F. Gammie, & **E. Quataert**, 2018, "Two-Temperature GRRMHD Simulations of M87," ApJ, 864, 126
156. 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
157. 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
158. 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
159. 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
160. 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
161. 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
162. D. B. Fielding, **E. Quataert**, & D. Martizzi, 2018, "Clustered Supernovae Drive Powerful Galactic Winds After Super-Bubble Breakout," MNRAS, 481, 3325
163. 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
164. 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
165. 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
166. E. R. Coughlin, **E. Quataert**, R. Fernandez, & D. Kasen, 2018, "A Physical Model of Mass Ejection in Failed Supernovae," MNRAS, 477, 1225
167. 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
168. 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
169. R. Fernandez, **E. Quataert**, K. Kashiyama, & E. R. Coughlin, 2018, "Mass Ejection in Failed Supernovae: Variation with Stellar Progenitor," MNRAS, 476, 2366
170. 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

171. 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
172. B. D. Metzger, T. A. Thompson, **E. Quataert**, 2018, “A magnetar origin for the kilonova ejecta in GW170817,” 2018, *ApJ*, 856, 101
173. M. A. Riquelme, A. Osorio, & **E. Quataert**, 2018, “Stochastic Electron Acceleration by the Whistler Instability in a Growing Magnetic Field,” *ApJ*, 854, 132
174. 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
175. 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
176. J. Luan, J. Fuller, & **E. Quataert**, 2018, “How *Cassini* Can Constrain Tidal Dissipation in Saturn,” *MNRAS*, 473, 5002
177. 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
178. 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
179. 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
180. S. P. Owocki, R. H. D. Townsend, & **E. Quataert**, 2017, “Super-Eddington Winds: Unifying Radiative-Enthalpy vs. Flux-Driven Models,” *MNRAS*, 472, 3749
181. J. Schwab, L. Bildsten, & **E. Quataert**, 2017, “The Importance of Urca-process Cooling in Accreting ONe White Dwarfs,” *MNRAS*, 472, 3390
182. J. Squire, **E. Quataert**, & M. W. Kunz, 2017, “Pressure-anisotropy-induced Nonlinearities in the Kinetic Magnetorotational Instability,” *J. Plasma Phys.*, 83, 9013
183. J. Brooks, J. Schwab, L. Bildsten, **E. Quataert**, et al., 2017, “Fast and Luminous Transients From the Explosions of Long Lived Massive White Dwarf Merger Remnants,” *ApJ*, 850, 127
184. B. P. Abbott, R. Abbott, T. D. Abbott, et al., 2017, “A Gravitational-wave Standard Siren Measurement of the Hubble Constant,” *Nature*, 551, 85
185. B. P. Abbott, R. Abbott, T. D. Abbott, et al., 2017, “Multi-messenger Observations of a Binary Neutron Star Merger” *ApJ*, 848, L12
186. 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
187. 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
188. R. Chornock, E. Berger, D. Kasen, et al., 2017, “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
189. 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

190. 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
191. 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
192. 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
193. J. Brooks, J. Schwab, L. Bildsten, **E. Quataert**, & B. Paxton, 2017, “Accretion-induced Collapse From Helium Star + White Dwarf Binaries,” *ApJ*, 844, 151
194. 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- $\beta$  Plasma,” *PRL*, 119, 5101
195. 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
196. 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
197. 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
198. 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
199. 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
200. D. Fielding, **E. Quataert**, D. Martizzi, & C.-A. Faucher-Giguère, 2017, “How Supernovae Launch Galactic Winds,” *MNRAS Letters*, 470, L39
201. 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
202. 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
203. 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
204. 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
205. 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
206. 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
207. 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

208. 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
209. 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
210. D. B. Fielding, **E. Quataert**, M. McCourt, T. A. Thompson, 2017, “The Impact of Star Formation Feedback on the Circumgalactic Medium,” MNRAS, 466, 3810
211. 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
212. 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
213. H. Klion & **E. Quataert**, 2017, “A Diagnostic for Localizing Red Giant Differential Rotation,” MNRAS Letters, 464, L16
214. 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
215. 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
216. M. W. Kunz, J. M. Stone, & **E. Quataert**, 2016, “Magnetorotational Turbulence and Dynamo in a Collisionless Plasma,” PRL, 117, 5101
217. 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
218. J. Schwab, **E. Quataert**, & D. Kasen, 2016, “The Evolution and Fate of Super-Chandrasekhar Mass White Dwarf Merger Remnants” MNRAS, 363, 346
219. 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
220. 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
221. 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
222. A. R. Wetzel, P. F. Hopkins, J. Kim, C.-A. Faucher-Giguère, D. Kereš, & **E. Quataert**, 2016, “Reconciling Dwarf Galaxies with  $\Lambda$ CDM Cosmology: Simulating a Realistic Population of Satellites Around a Milky Way-Mass Galaxy,” ApJ, 827, L23
223. 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
224. 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
225. 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

226. 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
227. 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
228. 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
229. 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
230. 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
231. 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
232. **E. Quataert**, R. Fernández, D. Kasen, H. Klion, & B. Paxton, 2015, “Super-Eddington Stellar Winds Driven by Near-Surface Energy Deposition,” *MNRAS*, 458, 1214
233. 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
234. 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
235. 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
236. D. Lecoanet, M. McCourt, **E. Quataert**, et al., 2016, “A Validated Nonlinear Kelvin-Helmholtz Benchmark for Numerical Hydrodynamics,” *MNRAS*, 455, 4274
237. 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
238. 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
239. B. D. Metzger, B. Margalit, D. Kasen, & **E. Quataert**, 2015, “The Diversity of Transients from Magnetar Birth in Core-Collapse Supernovae,” *MNRAS*, 454, 3311
240. 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
241. 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
242. 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
243. 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

244. 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
245. P. C. Duffell, **E. Quataert**, & A. I. MacFadyen, 2015, “A Narrow Short-Duration GRB Jet From a Wide Central Engine,” *ApJ*, 813, 64
246. M. Belyaev, **E. Quataert**, & J. Fuller, 2015, “The Properties of G-modes in Layered Semi-Convection,” *MNRAS*, 452, 2700
247. J. Schwab, **E. Quataert**, & L. Bildsten, 2015, “Thermal Runaway During the Evolution of ONeMg Cores Towards Accretion Induced Collapse,” *MNRAS*, 453, 1910
248. 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
249. M. Chandra, C. F. Gammie, F. Foucart, & **E. Quataert**, 2015, “An Extended Magnetohydrodynamics Model for Relativistic Weakly Collisional Plasmas,” *ApJ*, 810, 162
250. 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
251. 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
252. K. Kashiyama & **E. Quataert**, 2015, “Fast Luminous Blue Transients from Newborn Black Holes,” *MNRAS*, 451, 2656
253. 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
254. D. Martizzi, C.-A. Faucher-Giguère, & **E. Quataert**, 2015, “Supernova Feedback in an Inhomogeneous Interstellar Medium,” *MNRAS*, 450, 504
255. 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
256. 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
257. M. McCourt, R. O’Leary, A-M. Madigan, & **E. Quataert**, 2015, “Magnetized Gas Clouds can Survive Acceleration by a Hot Wind,” *MNRAS*, 449, 2
258. J. Nims, **E. Quataert**, & C.-A. Faucher-Giguère, 2015, “Observational Signatures of Galactic Winds Powered by Active Galactic Nuclei,” *MNRAS*, 447, 3612
259. **E. Quataert**, T. Heinemann, & A. Spitkovsky, 2015, “Linear Instabilities Driven by Differential Rotation in Very Weakly Magnetized Plasmas,” *MNRAS*, 447, 3328
260. 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
261. 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

262. 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
263. 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
264. J. Burkart, **E. Quataert**, & P. Arras, 2014, “Dynamical Resonance Locking in Tidally Interacting Binary Systems,” MNRAS, 443, 2957
265. T. Heinemann & **E. Quataert**, 2014, “Linear Vlasov Theory in the Shearing Sheet Approximation with Application to the Magneto-Rotational Instability,” ApJ, 792, 70
266. 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
267. D. Zhang, T. A. Thompson, N. Murray, & **E. Quataert**, 2014, “Hot Galactic Winds Constrained by the X-ray Luminosities of Galaxies,” ApJ, 784, 93
268. 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
269. 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
270. 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
271. Q. Xia, J. C. Perez, B. D. G. Chandran, & **E. Quataert**, 2013, “Perpendicular Ion Heating by Reduced Magnetohydrodynamic Turbulence,” ApJ, 776, 90
272. 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
273. C. Faucher-Giguére, **E. Quataert**, & P. F. Hopkins, 2013, “Feedback-Regulated Star Formation in Molecular Clouds and Galactic Discs,” MNRAS, 433, 1970
274. J. Burkart, **E. Quataert**, P. Arras, & N. N. Weinberg, 2013, “Linear Tides in Inspiraling White Dwarf Binaries: Resonance Locks,” MNRAS, 433, 332
275. P. F. Hopkins, D. Narayanan, N. Murray, & **E. Quataert**, 2013, “Dense Molecular Gas: A Sensitive Probe of Stellar Feedback Models,” MNRAS, 433, 69
276. 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
277. 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
278. 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
279. D. Lecoanet & **E. Quataert**, 2013, “Internal Gravity Wave Excitation by Turbulent Convection,” MNRAS, 430, 2363
280. 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

281. P. F. Hopkins, D. Keres, N. Murray, **E. Quataert**, & L. Hernquist, 2012, "Stellar Feedback and Bulge Formation in Clumpy Discs," MNRAS, 427, 968
282. J. Schwab, K. J. Shen, **E. Quataert**, M. Dan, & S. Rosswog, 2012, "The Viscous Evolution of White Dwarf Merger Remnants," MNRAS, 427, 190
283. 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
284. J. Dexter & **E. Quataert**, 2012, "Inhomogeneous Accretion Discs and the Soft States of Black Hole X-ray Binaries," MNRAS Letters, 426, L71
285. 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
286. C. Faucher-Gigu  re & **E. Quataert**, 2012, "The Physics of Galactic Winds Driven by Active Galactic Nuclei," MNRAS, 425, 605
287. M. A. Riquelme, **E. Quataert**, P. Sharma, & A. Spitkovsky, 2012, "Local Axisymmetric Particle-in-Cell Simulations of the Collisionless MRI," ApJ, 755, 50
288. J. Shiode, **E. Quataert**, & P. Arras, 2012, "The Stability of Massive Main Sequence Stars as a Function of Metallicity," MNRAS, 423, 3397
289. D. Lecoanet, I. J. Parrish, & **E. Quataert**, 2012, "The Dynamics of Rayleigh-Taylor Stable and Unstable Contact Discontinuities with Anisotropic Conduction," MNRAS, 423, 1866
290. **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
291. N. N. Weinberg, P. Arras, **E. Quataert**, & J. Burkart, 2012, "Nonlinear Tides in Close Binary Systems," ApJ, 751, 136
292. P. Arras, J. Burkart, **E. Quataert**, & N. N. Weinberg, 2012, "The Radial Velocity Signature of Tides Raised in Stars Hosting Exoplanets," MNRAS, 422, 1761
293. 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
294. P. F. Hopkins, **E. Quataert**, & N. Murray, 2012, "Stellar Feedback in Galaxies and the Origin of Galaxy-scale Winds," MNRAS, 421, 3522
295. P. F. Hopkins, **E. Quataert**, & N. Murray, 2012, "The Structure of the Interstellar Medium of Star Forming Galaxies," MNRAS, 421, 983
296. J. Burkart, **E. Quataert**, P. Arras, & N. N. Weinberg, 2012, "Tidal Asteroseismology: Kepler's KOI-54," MNRAS, 421, 983
297. 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
298. S. B. Cenko **et al.**, 2012, "PTF10iyy: A short-lived, luminous flare from the nuclear region of a star-forming galaxy," MNRAS, 420, 2684
299. J. Debuhr, **E. Quataert**, & C. P. Ma, 2012, "Galaxy-Scale Outflows Driven by Active Galactic Nuclei" MNRAS, 420, 2221
300. K. J. Shen, L. Bildsten, D. Kasen, & **E. Quataert**, 2012, "The Long-Term Evolution of Double White Dwarf Mergers," ApJ, 748, 35

301. C. Faucher-Gigu  re, **E. Quataert**, & N. Murray, 2012, “A Physical Model of FeLoBALs: Implications for Quasar Feedback Measurements,” MNRAS 420, 1347
302. 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
303. 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
304. I. J. Parrish, M. McCourt, **E. Quataert**, & P. Sharma, 2012, “Turbulent Pressure Support in the Outer Parts of Galaxy Clusters,” MNRAS Letters, 419, L29
305. **E. Quataert** & D. Kasen, 2012, “Swift 1644+57: The Longest Gamma-ray Burst?” MNRAS Letters, 419, L1
306. 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
307. 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 Alfv  n-wave Turbulence,” ApJ, 743, 197
308. P. F. Hopkins, **E. Quataert**, & N. Murray, 2011, “Self-Regulated Star Formation in Galaxies via Momentum Input from Massive Stars,” MNRAS, 417, 950
309. G. G. Howes, J. M. Tenbarge, 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
310. J. Bloom **et al.**, 2011, “A Relativistic Jetted Outburst From a Massive Black Hole Fed by a Tidally Disrupted Star,” Science, 333, 203
311. 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
312. 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
313. L. E. Strubbe & **E. Quataert**, 2011, “Spectroscopic Signatures of the Tidal Disruption of Stars by Massive Black Holes,” MNRAS, 415, 168
314. B. D. Metzger, D. Giannios, T. A. Thompson, N. Bucciantini, & **E. Quataert**, 2011, “The Proto-Magnetar Model for Gamma-Ray Bursts,” MNRAS, 413, 2031
315. 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
316. P. F. Hopkins & **E. Quataert**, 2010, “An Explanation for the Slopes of Stellar Cusps in Galaxy Spheroids” MNRAS Letters, 411, L61
317. 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
318. 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
319. K. Dodds-Eden, P. Sharma, **E. Quataert**, et al., 2010, “Time Dependent Models of Flares from Sagittarius A\*,” ApJ, 725, 450

320. 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
321. P. F. Hopkins & **E. Quataert**, 2010, “How do Massive Black Holes Get Their Gas?” *MNRAS*, 407, 1529
322. 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
323. 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
324. 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
325. 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
326. 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
327. B. C. Lacki, T. A. Thompson, & **E. Quataert**, 2010, “The Physics of the FIR-Radio Correlation: I. Calorimetry, Conspiracy, and Implications,” *ApJ*, 717, 1
328. 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
329. I. J. Parrish, **E. Quataert**, & P. Sharma, 2010, “Turbulence in Galaxy Cluster Cores: a Key to Cluster Bimodality?” *ApJ Letters*, 712, L194
330. P. Chang & **E. Quataert**, 2010, “Buoyancy Instabilities in Degenerate, Collisional Magnetized Plasmas,” *MNRAS*, 403, 246
331. 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
332. P. F. Hopkins, N. Murray, **E. Quataert**, & T. A. Thompson, 2010, “A Maximum Stellar Surface Density in Dense Stellar Systems,” *MNRAS: Letters*, 401, L19
333. P. F. Hopkins, D. Keres, C.P. Ma, & **E. Quataert**, 2010, “When Should We Treat Galaxies as Isolated?” *MNRAS*, 401, 1131
334. 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
335. 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
336. L. E. Strubbe & **E. Quataert**, 2009, “Optical Flares from the Tidal Disruption of Stars by Massive Black Holes,” *MNRAS*, 400, 2070
337. B. D. G. Chandran, **E. Quataert**, G. G. Howes, Q. Xia, & P. Pongkitwanichakul, 2009, “Constraining Low-Frequency Alfvénic Turbulence in the Solar Wind using Density Fluctuation Measurements,” *ApJ*, 707, 1668
338. R. Lehe, I. J. Parrish, & **E. Quataert**, 2009, “The Heating of Test Particles in Numerical Simulations of Alfvénic Turbulence,” *ApJ*, 707, 404

339. 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
340. I. J. Parrish, **E. Quataert**, & P. Sharma, 2009, "Anisotropic Thermal Conduction and the Cooling Flow Problem in Galaxy Clusters," ApJ, 703, 96
341. K. L. Shapiro, R. Genzel, **E. Quataert**, et al., 2009, "The SINS Survey: Broad H $\alpha$  Emission in High-Redshift Star-Forming Galaxies," ApJ, 701, 955
342. 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
343. P. F. Hopkins, R. Hickox, **E. Quataert**, & L. Hernquist, 2009, "Are Most Low-Luminosity AGN Really Obscured?," MNRAS, 398, 333
344. 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
345. 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
346. 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
347. 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
348. 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
349. 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
350. 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
351. 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
352. J. F. Drake **et al.**, 2009, "Ion Heating Resulting from Pickup in Magnetic Reconnection Exhausts," JGR, 114, A05111
353. 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
354. 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
355. B. D. Metzger, A. L. Piro, & **E. Quataert**, 2009, "Time Dependent Models of Accretion Disks Formed During Compact Object Mergers," MNRAS, 390, 781
356. P. Sharma, **E. Quataert**, & J. M. Stone, 2008, "Spherical Accretion with Anisotropic Thermal Conduction," MNRAS, 389, 1815

357. N. N. Weinberg & **E. Quataert**, 2008, “Nonlinear Saturation of g-modes in Proto-Neutron Stars: Quieting the Acoustic Engine,” MNRAS, 387, L64
358. T. Robishaw, **E. Quataert**, & C. Heiles, 2008, “Extragalactic Zeeman Detections in OH Megamasers,” ApJ, 680, 981
359. 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
360. 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
361. 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
362. B. D. Metzger, T. A. Thompson, & **E. Quataert**, 2008, “On the Conditions for Neutron-rich Gamma-ray Burst Outflows,” ApJ, 676, 1130
363. 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
364. **E. Quataert**, 2008, “Buoyancy Instabilities in Weakly Magnetized Low Collisionality Plasmas,” ApJ, 673, 758
365. M. Boylan-Kolchin, C.P. Ma, & **E. Quataert**, 2008, “Dynamical Friction and Galaxy Merging Timescales,” MNRAS, 383, 93
366. 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
367. P. Sharma, **E. Quataert**, & J. M. Stone, 2007, “Faraday Rotation in Global Accretion Disk Simulations: Implication for Sgr A\*,” ApJ, 671, 1696
368. 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
369. P. Chang, R. Murray-Clay, E. Chiang, & **E. Quataert**, 2007, “The Origin of the Young Stars in the Nucleus of M31,” ApJ, 668, 236
370. P. Sharma, **E. Quataert**, G. W. Hammett, & J. M. Stone, 2007, “Electron Heating in Hot Accretion Flows,” ApJ, 667, 714
371. N. J. Turner, **E. Quataert**, & H. W. Yorke, 2007, “Photon Bubbles in the Circumstellar Envelopes of Young Massive Stars,” ApJ, 662, 1052
372. 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
373. L. Desroches, **E. Quataert**, C.P. Ma, & A. West, 2007, “Luminosity Dependence in the Fundamental Plane Projections of Elliptical Galaxies,” MNRAS, 377, 402
374. B. Johnson & **E. Quataert**, 2007, “The Effects of Thermal Conduction on Radiatively-Inefficient Accretion Flows,” ApJ, 660, 1273
375. N. Murray, C. L. Martin, **E. Quataert**, & T. A. Thompson, 2007, “The Ionization State of Sodium in Galactic Winds,” ApJ, 660, 211

376. B. D. Metzger, T. A. Thompson, & **E. Quataert**, 2007, “Proto-Neutron Star Winds with Magnetic Fields and Rotation,” *ApJ*, 659, 561
377. T. A. Thompson, **E. Quataert**, & E. Waxman, 2007, “The Starburst Contribution to the Extra-galactic  $\gamma$ -ray Background,” *ApJ*, 654, 219
378. 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
379. 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
380. 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
381. N. Bucciantini, T. A. Thompson, J. Arons, **E. Quataert**, & L. DelZanna, 2006, “Relativistic MHD Winds from Rotating Neutron Stars,” *MNRAS*, 368, 1717
382. S. Gillessen, F. Eisenhauer, **E. Quataert**, et al., 2006, “Variations in the Spectral Slope of Sgr A\* during a NIR Flare,” *ApJ*, 640, L163
383. 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
384. P. Sharma, G. W. Hammett, **E. Quataert**, & J. M. Stone, 2006, “Shearing Box Simulations of the MRI in a Collisionless Plasma,” *ApJ*, 637, 952
385. **E. Quataert** & A. Loeb, 2005, “Nonthermal THz to TeV Emission from Stellar Wind Shocks in the Galactic Center,” *ApJ*, 635, L45
386. M. Boylan-Kolchin, C.P. Ma, & **E. Quataert**, 2005, “Dissipationless Mergers of Elliptical Galaxies and the Evolution of the Fundamental Plane,” *MNRAS*, 362, 184
387. T. A. Thompson, **E. Quataert**, & N. Murray, 2005, “Radiation Pressure Supported Starburst Disks and AGN Fueling,” *ApJ*, 630, 167
388. J. Goldston, **E. Quataert**, & I. Igumenshchev, 2005, “Synchrotron Radiation from Radiatively Inefficient Accretion Flow Simulations: Applications to Sgr A\*,” *ApJ*, 621, 785
389. T. Thompson, **E. Quataert**, & A. Burrows, 2005, “Viscosity and Rotation in Core-Collapse Supernovae,” *ApJ*, 620, 861
390. M. Volonteri, P. Madau, **E. Quataert**, & M. Rees, 2005, “The Distribution and Cosmic Evolution of Massive Black Hole Spins,” *ApJ* 620, 69
391. R. Narayan & **E. Quataert**, 2005, “Black Hole Accretion,” *Science*, 307, 77
392. 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
393. M. Boylan-Kolchin, C.P. Ma, & **E. Quataert**, 2004, “Core Formation in Galactic Nuclei Due to Recoiling Black Holes,” *ApJ Letters*, 613, L37
394. **E. Quataert**, 2004, “A Dynamical Model for Hot Gas in the Galactic Center,” *ApJ*, 613, 322
395. 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
396. T. A. Thompson, P. Chang, & **E. Quataert**, 2004, “Magnetar Spindown, Hyper-Energetic Supernovae, and Gamma Ray Bursts,” *ApJ*, 611, 380

397. P. Madau & **E. Quataert**, 2004, “The Effect of Gravitational-Wave Recoil on the Demography of Massive Black Holes,” 606, L17
398. F. Yuan, **E. Quataert**, & R. Narayan, 2004, “On the Nature of the Variable Infrared Emission from Sgr A\*,” ApJ, 606, 894
399. 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
400. F. Yuan, **E. Quataert**, & R. Narayan, 2003, “Nonthermal Electrons in Radiatively Inefficient Accretion Flow Models of Sgr A\*,” ApJ, 598, 301
401. P. Sharma, G. W. Hammett, & **E. Quataert**, 2003, “Transition from Collisionless to Collisional MRI,” ApJ, 596, 1121
402. **E. Quataert**, W. Dorland, & G. W. Hammett, 2002, “The Magnetorotational Instability in a Collisionless Plasma,” ApJ, 577, 524
403. R. Narayan, **E. Quataert**, I. Igumenshchev, & M. Abramowicz, 2002, “The Magnetohydrodynamics of Convection-Dominated Accretion Flows,” ApJ, 577, 295
404. **E. Quataert**, 2002, “A Thermal Bremsstrahlung Model For the Quiescent X-ray Emission from Sagittarius A\*”, ApJ, 575, 855
405. M. Abramowicz, I. Igumenshchev, **E. Quataert**, & R. Narayan, 2002, “On the Radial Structure of Radiatively Inefficient Accretion Flows with Convection,” ApJ 565, 1101
406. K. Menou & **E. Quataert**, 2001, “Activity From Tidal Disruptions in Galactic Nuclei,” ApJ, 562, L137
407. A. Aguirre, J. Schaye, & **E. Quataert**, 2001, “Problems for MOND in Clusters and the Lyman- $\alpha$  Forest,” ApJ, 561, 550
408. 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
409. G. Ball, R. Narayan, & **E. Quataert**, 2001, “Spectral Models of Convection Dominated Accretion Flows,” ApJ, 552, 221
410. K. Menou & **E. Quataert**, 2001, “Ionization, Magneto-rotational, and Gravitational Instabilities in Thin Accretion Disks Around Supermassive Black Holes,” ApJ, 552, 204
411. **E. Quataert** & A. Gruzinov, 2000, “Constraining the Accretion Rate onto Sagittarius A\* Using Linear Polarization,” ApJ, 545, 842
412. **E. Quataert** & E. Chiang, 2000, “Angular Momentum Transport in Particle and Fluid Disks,” ApJ, 543, 432
413. **E. Quataert** & A. Gruzinov, 2000, “Convection-Dominated Accretion Flows,” ApJ, 539, 809
414. Z. Haiman, M. Spaans, & **E. Quataert**, 2000, “Lyman Alpha Cooling Radiation from High-Redshift Halos,” ApJ, 537, L5
415. 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
416. **E. Quataert** and R. Narayan, 2000, “The Cooling Flow to Accretion Flow Transition,” ApJ, 528, 236

417. **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
418. A. Gruzinov & **E. Quataert**, 1999, "The Proton Distribution Function in Weakly Magnetized Turbulent Plasmas," ApJ, 520, 849
419. **E. Quataert** & R. Narayan, 1999, "Spectral Models of Advection-Dominated Accretion Flows with Winds," ApJ, 520, 298
420. **E. Quataert** & A. Gruzinov, 1999, "Turbulence and Particle Heating in Advection-Dominated Accretion Flows," ApJ, 520, 248
421. **E. Quataert**, R. Narayan, & M. Reid, 1999, "What is the Accretion Rate in Sgr A\*?," ApJ, 517, L101
422. **E. Quataert** & R. Narayan, 1999, "On the Energetics of Advection-Dominated Accretion Flows," ApJ, 516, 399
423. **E. Quataert**, 1998, "Particle Heating by Alfvénic Turbulence in Hot Accretion Flows," ApJ, 500, 978
424. P. Kumar & **E. Quataert**, 1998, "On the Orbital Decay of the PSR J0045-7319 Binary," ApJ, 493, 412
425. R. Mahadevan & **E. Quataert**, 1997, "Are Particles in Advection Dominated Accretion Flows Thermal?" ApJ, 490, 605
426. P. Kumar & **E. Quataert**, 1997, "Differential Rotation Enhanced Dissipation of Tides in the PSR J0045-7319 Binary," ApJ, 479, L51
427. P. Kumar & **E. Quataert**, 1996, "Angular Momentum Transport by Gravity Waves and Its Effect on the Rotation of the Solar Interior," ApJ, 475, L143
428. **E. Quataert**, P. Kumar, & C. Ao, 1996, "On the Validity of the Classical Apsidal Motion Formula," ApJ, 463, 284
429. P. Kumar, **E. Quataert**, & J. Bahcall, 1996, "Observational Searches for Solar g-modes: Some Theoretical Considerations," ApJ, 458, L83
430. 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