

Refereed Publications
MICHAEL BOYLAN-KOLCHIN

172. *Testing the Near-Far Connection with FIRE Simulations: Inferring the Stellar Mass Function of the Proto-Local Group at $z > 6$ Using the Fossil Record of Present-day Galaxies*
P. Gandhi, A. Wetzel, **M. Boylan-Kolchin**, R. Sanderson, A. Savino, D. Weisz, E. Tollerud, G. Sun, C. Faucher-Giguère (2023), submitted to MNRAS (arXiv:2309.09940)
171. *The JWST Resolved Stellar Populations Early Release Science Program IV: The Star Formation History of the Local Group Galaxy WLM*
K. McQuinn and 25 co-authors, including **M. Boylan-Kolchin** (2023), submitted to AAS Journals
170. *Hooks & Bends in the Radial Acceleration Relation: Tests for Dark Matter and Challenges for MOND*
F. Mercado, J. Bullock, J. Moreno, **M. Boylan-Kolchin**, A. Wetzel, C. Faucher-Giguère, J. Samuel (2023), submitted to MNRAS; [arXiv:2307.09507](https://arxiv.org/abs/2307.09507)
169. *An Analytic Surface Density Profile for Λ CDM Haloes and Gravitational Lensing Studies*
A. Lazar, J. Bullock, A. Nierenberg, L. Moustakas, **M. Boylan-Kolchin** (2023), submitted to MNRAS; [arXiv:2304.11177](https://arxiv.org/abs/2304.11177)
168. *Dissipative Dark Matter on FIRE: II. Observational Signatures and Constraints from Local Dwarf Galaxies*
X. Shen, P. Hopkins, L. Necib, F. Jiang, **M. Boylan-Kolchin**, A. Wetzel (2023), submitted to ApJ; [arXiv:2206.05327](https://arxiv.org/abs/2206.05327)
167. *Metallicity Distribution Functions of 13 Ultra-Faint Dwarf Galaxy Candidates from Hubble Space Telescope Narrowband Imaging*
S. Fu, D. Weisz, E. Starkenburg, N. Martin, A. Savino, **M. Boylan-Kolchin**, P. Côté, A. Dolphin, A. Ji, N. Longeard, M. Mateo, E. Patel, N. Sandford (2023), accepted by ApJ; [arXiv:2306.06260](https://arxiv.org/abs/2306.06260)
166. *Orientations of Dark Matter Halos in CDM and SIDM Latte Galaxies*
J. Baptista, R. Sanderson, D. Huber, A. Wetzel, O. Sameie, **M. Boylan-Kolchin**, J. Bailin, P. Hopkins, C. Faucher-Giguère, S. Chakrabarti, D. Vargya, N. Panithanpaisal, A. Arora, E. Cunningham (2023), [ApJ](https://doi.org/10.1093/apj/apj958/44), **958**, 44
165. *The Hubble Space Telescope Survey of M31 Satellite Galaxies II. The Star Formation Histories of Ultra-Faint Dwarf Galaxies*
A. Savino and 38 co-authors, including **M. Boylan-Kolchin** (2023), [ApJ](https://doi.org/10.1093/apj/apj956/86), **956**, 86
164. *A Jolt to the System: Impulsive Ram Pressure on Low-Mass Local Group Galaxies in Simulations*
J. Samuel, B. Padasani, A. Wetzel, I. Santistevan, **M. Boylan-Kolchin**, J. Moreno, C. Faucher-Giguère (2023), [MNRAS](https://doi.org/10.1093/mnras/mnab525/3849), **525**, 3849
163. *The Impact of UV Variability on the Abundance of Bright Galaxies at $z \geq 9$*
X. Shen, M. Vogelsberger, **M. Boylan-Kolchin**, S. Tacchella, R. Kannan (2023), [MNRAS](https://doi.org/10.1093/mnras/mnab525/3254), **525**, 3254
162. *What Causes The Formation of Disks and End of Bursty Star Formation?*
P. Hopkins, A. Gurvich, X. Shen, Z. Hafen, M. Grudić, S. Kurinchi-Vendhan, C. Hayward, F. Jiang, M. Orr, A. Wetzel, D. Kereš, J. Stern, C. Faucher-Giguère, J. Bullock, C. Wheeler, K. El-Badry, S. Loebman, J. Moreno, **M. Boylan-Kolchin**, E. Quataert (2022), [MNRAS](https://doi.org/10.1093/mnras/mnab525/2241), **525**, 2241
161. *The JWST Resolved Stellar Populations Early Release Science Program II. Survey Overview*
D. Weisz and 41 coauthors, including **M. Boylan-Kolchin** (2023), [ApJS](https://doi.org/10.1093/apjs/apj268/15), **268**, 15
160. *Born This way: Thin disc, Thick Disc, and Isotropic Bulge Formation in FIRE-2 Milky-Way-mass Galaxy Simulations*

- S. Yu, J. Bullock, A. Gurvich, Z. Hafen, J. Stern, **M. Boylan-Kolchin**, C. Faucher-Giguère, A. Wetzel, P. Hopkins, J. Moreno (2023), *MNRAS*, **523**, 6220
159. *The Absolute Age of M92*
J. Ying, B. Chaboyer, E. Boudreaux, C. Slaughter, **M. Boylan-Kolchin**, D. Weisz (2023), *AJ*, **166**, 18
158. *Dwarf Galaxy Formation With and Without Dark Matter-Baryon Streaming Velocities*
A. Schauer, **M. Boylan-Kolchin**, K. Colston, O. Sameie, V. Bromm, J. Bullock, A. Wetzel (2023), *ApJ*, **950**, 20
157. *Formation of Proto-Globular Cluster Candidates in Cosmological Simulations of Dwarf Galaxies at $z > 4$*
O. Sameie, **M. Boylan-Kolchin**, P. Hopkins, A. Wetzel, X. Ma, J. Bullock, K. El-Badry, E. Quataert, J. Samuel, A. Schauer, D. Weisz (2023), *MNRAS*, **522**, 1800
156. *Stress Testing Λ CDM with High-redshift Galaxy Candidates*
M. Boylan-Kolchin (2023), *Nature Astronomy*, <https://doi.org/10.1038/s41550-023-01937-7>
155. *Cosmological Structure Formation and Soliton Phase Transition in Fuzzy Dark Matter with Axion Self-Interactions*
P. Mocz, A. Fialkov, M. Vogelsberger, **M. Boylan-Kolchin**, P. Chavanis, M. Amin, S. Bose, T. Dome, L. Hernquist, L. Lancaster, M. Notis, C. Painter, V. Robles, J. Zavala (2023), *arXiv:2301.10266* (*MNRAS*, **521**, 2608)
154. *Public Data Release of the FIRE-2 Cosmological Zoom-in Simulations of Galaxy Formation* A. Wetzel, C. Hayward, R. Sanderson, X. Ma, D. Anglés-Alcázar, R. Feldmann, T. Chan, K. El-Badry, C. Wheeler, S. Garrison-Kimmel, F. Nikakhtar, N. Panithanpaisal, A. Arora, A. Gurvic, J. Samuel, O. Sameie, V. Pandya, C. Hummels, S. Loebman, **M. Boylan-Kolchin**, J. Bullock, C. Faucher-Giguère, D. Kereš, E. Quataert, P. Hopkins (2023), *ApJS*, **265**, 44
153. *HETDEX Public Source Catalog 1: 280K Sources including over 50K Lyman Alpha Emitters From an Untargeted Wide-area Spectroscopic Survey*
E. Mentuch Cooper and 43 coauthors, including **M. Boylan-Kolchin** (2023), *ApJ*, **943**, 177
152. *On the Cosmic Web Elongation in Fuzzy Dark Matter Cosmologies: Effects on Density Profiles, Shapes and Alignments of Halos*
T. Dome, A. Fialkov, P. Mocz, B. Schäfer, **M. Boylan-Kolchin**, M. Vogelsberger (2023), *MNRAS*, **519**, 4183
151. *FIRE-3: Updated Stellar Evolution Models, Yields, & Microphysics and Fitting Functions for Applications in Galaxy Simulations*
P. Hopkins, A. Wetzel, C. Wheeler, R. Sanderson, M. Grudić, O. Sameie, **M. Boylan-Kolchin**, M. Orr, X. Ma, C. Faucher-Giguère, D. Kereš, E. Quataert, K. Su, J. Moreno, R. Feldmann, J. Bullock, S. Loebmann, D. Anglés-Alcázar, J. Stern, L. Necib, C. Hayward (2023), *MNRAS*; *MNRAS*, **519**, 3154
150. *Great Balls of FIRE – I: The Formation of Star Clusters Across Cosmic Time in a Milky Way-mass Galaxy*
M. Grudić, Z. Hafen, C. Rodriguez, D. Guszejnov, A. Lamberts, A. Wetzel, **M. Boylan-Kolchin**, C. Faucher-Giguère (2023), *MNRAS*, **519**, 1366
149. *The Hubble Space Telescope Survey of M31 Satellite Galaxies I. RR Lyrae-based Distances and Refined 3D Geometric Structure*
A. Savino & 20 co-authors, including **M. Boylan-Kolchin** (2022), *ApJ*, **938**, 101
148. *Shapes of Milky-Way-Mass Galaxies with Self-Interacting Dark Matter*
D. Vargya, R. Sanderson, O. Sameie, **M. Boylan-Kolchin**, P. Hopkins, A. Wetzel, A. Graus (2021), *MNRAS*, **516**, 2389
147. *On the Probability of the Extremely Lensed $z = 6.2$ Earendel Source Being a Population III Star*
A. Schauer, V. Bromm, N. Drory, **M. Boylan-Kolchin** (2022), *ApJ Letters*, **934**, L6

146. *Extinguishing the FIRE: Environmental Quenching of Satellite Galaxies around Milky Way-mass Hosts in Simulations*
J. Samuel, A. Wetzel, I. Santistevan, E. Tollerud, J. Moreno, **M. Boylan-Kolchin**, J. Bailin, B. Padasani (2022), [MNRAS](#), **514**, 5276
145. *Hot-mode Accretion and the Physics of Thin-disk Galaxy Formation*
Z. Hafen, J. Stern, J. Bullock, A. Gurvich, S. Yu, C. Faucher-Giguère, D. Fielding, D. Anglés-Alcázar, E. Quataert, A. Wetzel, T. Starkenburg, **M. Boylan-Kolchin**, J. Moreno, R. Feldmann, K. El-Badry, T. Chan, C. Trapp, D. Kereš, P. Hopkins (2022) [MNRAS](#), **514**, 5056
144. *Sizing from the Smallest Scales: The Mass of the Milky Way*
M. Rodriguez Wimberly, M. Cooper, D. Baxter, **M. Boylan-Kolchin**, J. Bullock, S. Fillingham, A. Ji, L. Sales, J. Simon (2022), [MNRAS](#), **513**, 4968
143. *The In-situ Origins of Dwarf Stellar Outskirts in FIRE-2*
E. Kado-Fong, R. Sanderson, J. Greene, E. Cunningham, C. Wheeler, T. K. Chan, K. El-Badry, P. Hopkins, A. Wetzel, **M. Boylan-Kolchin**, C. Faucher-Giguère, S. Huang, E. Quataert, T. Starkenburg (2022), [ApJ](#), **931**, 152
142. *The Effects of LMC-mass Environments on Their Dwarf Satellite Galaxies in the FIRE Simulations*
E. Jahn, L. Sales, A. Wetzel, J. Samuel, K. El-Badry, **M. Boylan-Kolchin**, J. Bullock (2022), [MNRAS](#), **513**, 2673
141. *Amplified J-factors in the Galactic Center for Velocity-dependent Dark Matter Annihilation in FIRE Simulations*
D. McKeown, J. Bullock, F. Mercado, Z. Hafen, **M. Boylan-Kolchin**, A. Wetzel, L. Necib, P. Hopkins S. Yu (2022), [MNRAS](#), **513**, 55
140. *The Galaxy-Halo Size Relation of Low-mass Galaxies in FIRE*
E. Rohr, R. Feldmann, J. Bullock, O. Çatmabacak, **M. Boylan-Kolchin**, C. Faucher-Giguère, D. Kereš, L. Liang, J. Moreno, A. Wetzel (2022), [MNRAS](#), **510**, 3967
139. *Galaxies Lacking Dark Matter Produced By Close Encounters in a Cosmological Simulation*
J. Moreno, S. Danieli, J. Bullock, R. Feldmann, P. Hopkins, O. Çatmabacak, A. Gurvich, A. Lazar, C. Klein, C. Hummels, Z. Hafen, F. Mercado, S. yu, F. Jang, C. Wheeler, A. Wetzel, D. Anglés-Alcázar, **M. Boylan-Kolchin**, E. Quataert, C. Faucher-Giguère, D. Kereš (2022), [Nature Astronomy](#), **6**, 496
138. *Metallicity Distribution Function of the Eridanus II Ultra-Faint Dwarf Galaxy from Hubble Space Telescope Narrow-band Imaging*
S. Fu, D. Weisz, E. Starkenburg, N. Martin, A. Ji, E. Patel, **M. Boylan-Kolchin**, P. Côté, A. Dolphin, N. Longeard, M. Mateo, N. Sandford (2022), [ApJ](#), **925**, 6
137. *Planes of Satellites Are Not a Problem for (Just) Λ CDM*
M. Boylan-Kolchin (2021), [Nature Astronomy](#), **5**, 1188
136. *From EMBER to FIRE: Predicting High Resolution Baryon Fields from Dark Matter Simulations with Deep Learning*
M. Bernardini, R. Feldmann, D. Anglés-Alcázar, **M. Boylan-Kolchin**, J. Bullock, L. Mayer, J. Stadel (2022), [MNRAS](#), **509**, 1323
135. *Globular Clusters and Streaming Velocities: Testing the New Formation Channel in High-resolution Cosmological Simulations*
A. Schauer, V. Bromm, **M. Boylan-Kolchin**, S. Glover, R. Klessen (2021), [ApJ](#), **922**, 193

134. *The Central Densities of Milky Way-mass Galaxies in Cold and Self-Interacting Dark Matter Models*
O. Sameie, **M. Boylan-Kolchin**, R. Sanderson, D. Vargya, P. Hopkins, A. Wetzel, J. Bullock, A. Graus, V. Robles (2021), [MNRAS, 507, 720](#)
133. *Dissipative Dark Matter on FIRE: I. Structural and Kinematic Properties of Dwarf Galaxies*
X. Shen, P. Hopkins, L. Necib, F. Jiang, **M. Boylan-Kolchin**, A. Wetzel (2021), [MNRAS, 506, 4421](#)
132. *A Model for the Formation of Stellar Associations and Clusters from Giant Molecular Clouds*
M. Grudić, J. Diederik Kruijssen, C. Faucher-Giguère, P. Hopkins, X. Ma, E. Quataert, **M. Boylan-Kolchin** (2021), [MNRAS, 506, 3239](#)
131. *HETDEX [OIII] Emitters I: A spectroscopically selected low-redshift population of low-mass, low-metallicity galaxies*
B. Indahl, G. Zeimann, G. Hill, W. Bowman, R. Ciardullo, N. Drory, E. Gawiser, U. Hopp, S. Janowiecki, **M. Boylan-Kolchin**, E. Cooper, D. Davis, D. Farrow, S. Finkelstein, C. Gronwall, A. Kelz, K. McQuinn, D. Schneider, S. Tuttle (2021), [ApJ, 916, 11](#)
130. *Uncertain Times: The Redshift–Time Relation from Cosmology and Stars*
M. Boylan-Kolchin, D. Weisz (2021), [MNRAS, 505, 2764](#)
129. *The Contribution of Globular Clusters to Cosmic Reionization*
X. Ma, E. Quataert, A. Wetzel, C. Faucher-Giguère, **M. Boylan-Kolchin** (2021), [MNRAS, 504, 4062](#)
128. *Planes of Satellites Around Milky Way/M31-Mass Galaxies in the FIRE Simulations and Comparisons with the Local Group*
J. Samuel, A. Wetzel, S. Chapman, E. Tollerud, P. Hopkins, **M. Boylan-Kolchin**, J. Bailin, C. Faucher-Giguère (2021), [MNRAS, 504, 1379](#)
127. *Out of Sight, Out of Mind? The Impact of Correlated Clustering in Substructure Lensing*
A. Lazar, J. Bullock, **M. Boylan-Kolchin**, R. Feldmann, O. Çatmabacak, L. Moustakas (2021), [MNRAS, 502, 6064](#)
126. *A Relationship Between Stellar Metallicity Gradients and Galaxy Age in Dwarf Galaxies*
F. Mercado, J. Bullock, **M. Boylan-Kolchin**, J. Moreno, A. Wetzel, K. El-Badry, A. Graus, A. Fitts, P. Hopkins, C. Faucher-Giguère (2021), [MNRAS, 501, 5121](#)
125. *NGC 6822 as a Probe of Dwarf Galactic Evolution*
B. Belland, E. Kirby, **M. Boylan-Kolchin**, C. Wheeler (2020), [ApJ, 903, 10](#)
124. *A Dark Matter Profile to Model Diverse Feedback-Induced Core Sizes of Λ CDM Halos*
A. Lazar, J. Bullock, **M. Boylan-Kolchin**, T. Chan, P. Hopkins, A. Graus, A. Wetzel, K. El-Badry, C. Wheeler, M. Straight, D. Kereš, C. Faucher-Giguère, A. Fitts, S. Garrison-Kimmel (2020), [MNRAS, 497, 2393](#)
123. *Growing Pains: The Formation Times and Building Blocks of Milky Way-mass Galaxies in the FIRE Simulations*
I. Santistevan, A. Wetzel, K. El-Badry, J. Bland-Hawthorn, **M. Boylan-Kolchin**, J. Bailin, C. Faucher-Giguère, S. Benincasa (2020), [MNRAS, 497, 747](#)
122. *Stellar Feedback Sets the Universal Acceleration Scale in Galaxies*
M. Grudić, **M. Boylan-Kolchin**, C. Faucher-Giguère, P. Hopkins (2020), [MNRAS, 496, L127](#)
121. *Galaxy Formation with BECDM - II. Cosmic Filaments and First Galaxies*
P. Mocz, A. Fialkov, M. Vogelsberger, F. Becerra, X. Shen, V. Robles, M. Amin, J. Zavala, **M. Boylan-Kolchin**, S. Bose, F. Marinacci, P. Chavanis, L. Lancaster, L. Hernquist (2020), [MNRAS, 494, 2027](#)

120. *Stars Made in Outflows May Populate the Outer Stellar Halo of the Milky Way*
S. Yu, J. Bullock, A. Wetzel, R. Sanderson, A. Graus, **M. Boylan-Kolchin**, A. Nierenberg, M. Grudić, P. Hopkins, D. Kereš, C. Faucher-Giguère (2020), [MNRAS, 494, 1539](#)
119. *The Orbital Histories of Magellanic Satellites Using Gaia DR2 Proper Motions*
E. Patel, N. Kallivayalil, N. Garavito-Camargo, G. Besla, D. Weisz, R. Van Der Marel, **M. Boylan-Kolchin**, M. Pawlowski, F. Gómez (2020), [ApJ, 893, 121](#)
118. *Self-consistent Proto-globular Cluster Formation in Cosmological Simulations of High-redshift Galaxies*
X. Ma, M. Grudić, E. Quataert, P. Hopkins, C. Faucher-Giguère, **M. Boylan-Kolchin**, A. Wetzel, J. Kim, N. Murray, D. Kereš (2020), [MNRAS, 493, 4315](#)
117. *Evolution of Giant Molecular Clouds Across Cosmic Time*
D. Guszejnov, M. Grudić, S. Offner, **M. Boylan-Kolchin**, C. Faucher-Giguère, A. Wetzel, S. Benincasa, S. Loebman (2020), [MNRAS, 492, 488](#)
116. *A Profile in FIRE: Resolving the Radial Distributions of Satellite Galaxies in the Local Group with Simulations*
J. Samuel, A. Wetzel, E. Tollerud, S. Garrison-Kimmel, S. Loebman, K. El-Badry, P. Hopkins, **M. Boylan-Kolchin**, C. Faucher-Giguère, J. Bullock, S. Benincasa, J. Bailin (2020), [MNRAS, 491, 1471](#)
115. *Star Formation at the Edge of the Local Group: A Rising Star Formation History in the Isolated Galaxy WLM*
S. Albers, D. Weisz, A. Cole, A. Dolphin, E. Skillman, B. Williams, **M. Boylan-Kolchin**, J. Bullock, J. Dalcanton, P. Hopkins, R. Leaman, A. McConnachie, M. Vogelsberger, A. Wetzel (2019), [MNRAS, 490, 5538](#)
114. *Be it therefore resolved: Cosmological Simulations of Dwarf Galaxies with Extreme Resolution*
C. Wheeler, P. Hopkins, A. Pace, S. Garrison-Kimmel, **M. Boylan-Kolchin**, A. Wetzel, J. Bullock, D. Kereš, C. Faucher-Giguère, E. Quataert (2019), [MNRAS, 490, 4447](#)
113. *A Predicted Correlation Between Age Gradient and Star Formation History in FIRE Dwarf Galaxies*
A. Graus, J. Bullock, A. Fitts, M. Cooper, **M. Boylan-Kolchin**, D. Weisz, A. Wetzel, R. Feldmann, C. Faucher-Giguère, E. Quataert, P. Hopkins, D. Kereš (2019), [MNRAS, 490, 1186](#)
112. *Dwarf Galaxies in CDM, WDM, and SIDM: Disentangling Baryons and Dark Matter Physics*
A. Fitts, **M. Boylan-Kolchin**, B. Bozek, J. Bullock, A. Graus, V. Robles, P. Hopkins, K. El-Badry, S. Garrison-Kimmel, C. Faucher-Giguère, A. Wetzel, D. Kereš (2019), [MNRAS, 490, 962](#)
111. *Star Formation Histories of Dwarf Galaxies in the FIRE Simulations: Dependence on Mass and Local Group Environment*
S. Garrison-Kimmel, A. Wetzel, P. Hopkins, R. Sanderson, K. El-Badry, A. Graus, T.K. Chan, R. Feldmann, **M. Boylan-Kolchin**, C. Hayward, J. Bullock, A. Fitts, J. Samuel, C. Wheeler, D. Kereš, C. Faucher-Giguère (2019), [MNRAS, 489, 4574](#)
110. *First Star-forming Structures in Fuzzy Cosmic Filaments*
P. Mocz, A. Fialkov, M. Vogelsberger, F. Becerra, M. Amin, S. Bose, **M. Boylan-Kolchin**, P. Chavanis, L. Hernquist, L. Lancaster, F. Marinacci, V. Robles, J. Zavala (2019), [Physical Review Letters, 123, 14130](#)
109. *Dark and Luminous Satellites of LMC-mass Galaxies in the FIRE Simulations*
E. Jahn, L. Sales, A. Wetzel, **M. Boylan-Kolchin**, T. Chan, K. El-Badry, A. Lazar, J. Bullock (2019), [MNRAS, 489, 5348](#)
108. *How Low Does It Go? Too Few Galactic Satellites with Standard Reionization Quenching*
A. Graus, J. Bullock, T. Kelley, **M. Boylan-Kolchin**, S. Garrison-Kimmel, Y. Qi (2019), [MNRAS, 488, 4585](#)

107. *Phat ELVIS: The inevitable effect of the Milky Way's disk on its dark matter subhaloes*
T. Kelley, J. Bullock, S. Garrison-Kimmel, **M. Boylan-Kolchin**, M. Pawlowski, A. Graus (2019), [MNRAS, 487, 4409](#)
106. *The Local Group on Fire: Dwarf Galaxy Populations Across a Suite of Hydrodynamic Simulations*
S. Garrison-Kimmel, P. Hopkins, A. Wetzel, J. Bullock, **M. Boylan-Kolchin**, C. Faucher-Giguère, D. Kereš, K. El-Badry, A. Lamberts, E. Quataert, R. Sanderson (2019), [MNRAS, 487, 1380](#)
105. *Warm FIRE: Simulating Galaxy Formation with Resonant Sterile Neutrino Dark Matter*
B. Bozek, A. Fitts, **M. Boylan-Kolchin**, S. Garrison-Kimmel, K. Abazajian, J. Bullock, D. Kereš, C. Faucher-Giguère, A. Wetzel, R. Feldmann, P. Hopkins (2019), [MNRAS, 483, 4086](#)
104. *The Suppression of Star Formation on the Smallest Scales: What Role Does Environment Play?*
M. Rodriguez Wimberly, M. Cooper, S. Fillingham, **M. Boylan-Kolchin**, J. Bullock, S. Garrison-Kimmel (2019), [MNRAS, 483, 4031](#)
103. *Statistics of Two-point Correlation and Network Topology for Lyman Alpha Emitters at $z \approx 2.67$*
S. Hong, A. Dey, K. Lee, A. Orsi, K. Gebhardt, M. Vogelsberger, L. Hernquist, R. Xue, I. Jung, S. Finkelstein, S. Tuttle, **M. Boylan-Kolchin** (2019), [MNRAS, 483, 3950](#)
102. *Scalar Field Dark Matter: Helping or Hurting Small-Scale Problems in Cosmology?*
V. Robles, J. Bullock, **M. Boylan-Kolchin** (2019), [MNRAS, 483, 289](#)
101. *What Drives the Kinematic Evolution of Star-forming Galaxies?*
C. Hung, C. Hayward, T. Yuan, **M. Boylan-Kolchin**, C. Faucher-Giguère, P. Hopkins, D. Kereš, N. Murray, A. Wetzel (2019), [MNRAS, 482, 5125](#)
100. *The Formation and Hierarchical Assembly of Globular Cluster Populations*
K. El-Badry, E. Quataert, D. Weisz, N. Choksi, **M. Boylan-Kolchin** (2019), [MNRAS, 482, 4528](#)
99. *The Origin of the Diverse Morphologies and Kinematics of Milky Way-Mass Galaxies in the FIRE-2 Simulations*
S. Garrison-Kimmel, P. Hopkins, A. Wetzel, R. Sanderson, J. Bullock, X. Ma, F. van de Voort, Z. Hafen, C. Faucher-Giguère, C. Hayward, E. Quataert, D. Kereš, **M. Boylan-Kolchin** (2018), [MNRAS, 481, 4133](#)
98. *From the Top Down and Back Up Again: Star Cluster Structure from Hierarchical Star Formation*
M. Grudić, D. Guszejnov, P. Hopkins, A. Lamberts, **M. Boylan-Kolchin**, N. Murray, D. Schmitz (2018), [MNRAS, 481, 688](#)
97. *Discrete Effects in Stellar Feedback: Individual Supernovae, Hypernovae, and IMF Sampling in Dwarf Galaxies*
K. Su, P. Hopkins, C. Hayward, X. Ma, **M. Boylan-Kolchin**, D. Kasen, D. Kereš, C. Faucher-Giguère, M. Orr (2018), [MNRAS, 480, 1666](#)
96. *Through a Smoother Lens: An Expected Absence of LCDM Substructure Mass Detections in Hydrodynamic and Dark Matter Only Simulations*
A. Graus, J. Bullock, **M. Boylan-Kolchin**, A. Nierenberg (2018), [MNRAS, 480, 1322](#)
95. *The FIRE-2 Simulations: Physics versus Numerics in Galaxy Formation*
P. Hopkins and 27 co-authors, including **M. Boylan-Kolchin** (2018), [MNRAS, 480, 800](#)
94. *Where Are the Most Ancient Stars in the Milky Way?*
K. El-Badry, J. Bland-Hawthorn, A. Wetzel, E. Quataert, D. Weisz, **M. Boylan-Kolchin**, P. Hopkins, C. Faucher-Giguère, D. Kereš, S. Garrison-Kimmel (2018), [MNRAS, 480, 652](#)

93. *The Little Engines That Could? Globular Clusters Contribute Significantly to Reionization-era Star Formation*
M. Boylan-Kolchin (2018), [MNRAS, 479, 332](#)
92. *No Assembly Required: Mergers are Mostly Irrelevant for the Growth of Low-mass Dwarf Galaxies*
A. Fitts, M. Boylan-Kolchin, J. Bullock, D. Weisz, K. El-Badry, C. Wheeler, C. Faucher-Giguère, E. Quataert, P. Hopkins, D. Kereš, A. Wetzel (2018), [MNRAS, 479, 319](#)
91. *Simulating Galaxies in the Reionization Era with FIRE-2: the Stellar Mass–Halo Mass Relation, Stellar Mass Function, and Luminosity Functions at $z \geq 5$*
X. Ma, P. Hopkins, S. Garrison-Kimmel, C. Faucher-Giguère, E. Quataert, M. Boylan-Kolchin, C. Hayward, R. Feldmann, D. Kereš (2018), [MNRAS, 478, 1694](#)
90. *The Origin of Ultra-diffuse Galaxies: Stellar Feedback and Quenching*
T. Chan, D. Kereš, A. Wetzel, P. Hopkins, C. Faucher-Giguère, K. El-Badry, S. Garrison-Kimmel, M. Boylan-Kolchin (2018), [MNRAS, 478, 906](#)
89. *Environmental Quenching of Low-Mass Field Galaxies*
S. Fillingham, M. Cooper, M. Boylan-Kolchin, J. Bullock, S. Garrison-Kimmel, C. Wheeler (2018), [MNRAS, 477, 4491](#)
88. *ETHOS - An Effective Theory of Structure Formation: Predictions for the High-redshift Universe – Abundance of Galaxies and Reionization*
M. Lovell, J. Zavala, M. Vogelsberger, X. Shen, F. Cyr-Racine, C. Pfrommer, K. Sigurdson, M. Boylan-Kolchin, A. Pillepich (2018), [MNRAS, 477, 2886](#)
87. *How to Model Supernovae in Simulations of Star and Galaxy Formation*
P. Hopkins, A. Wetzel, D. Kereš, C. Faucher-Giguère, E. Quataert, M. Boylan-Kolchin, N. Murray, C. Hayward, D. Martizzi, K. El-Badry (2018), [MNRAS, 477, 1578](#)
86. *Gas Kinematics in Simulated FIRE Galaxies Compared to Spatially Unresolved HI Observations*
K. El-Badry, J. Bradford, E. Quataert, M. Geha, M. Boylan-Kolchin, D. Weisz, A. Wetzel, P. Hopkins, T. Chan, A. Fitts, D. Kereš, C. Faucher-Giguère (2018), [MNRAS, 477, 1536](#)
85. *Globular Clusters in High-Redshift Dwarf Galaxies: A Case Study from the Local Group*
T. Zick, D. Weisz, M. Boylan-Kolchin (2018), [MNRAS, 477, 480](#)
84. *Simulating Galaxies in the Reionization Era with FIRE-2: Morphologies and Sizes*
X. Ma, P. Hopkins, M. Boylan-Kolchin, C. Faucher-Giguère, E. Quataert, R. Feldmann, S. Garrison-Kimmel, C. Hayward, D. Kereš, A. Wetzel (2018), [MNRAS, 477, 219](#)
83. *Galaxy Motions Cause Trouble for Cosmology*
M. Boylan-Kolchin (2018), [Science, 359, 520](#)
82. *Gas Kinematics, Morphology, and Angular Momentum in the FIRE Simulations*
K. El-Badry, E. Quataert, A. Wetzel, P. Hopkins, T. Chan, A. Fitts, M. Boylan-Kolchin, D. Kereš, C. Faucher-Giguère, S. Garrison-Kimmel (2018), [MNRAS, 473, 1930](#)
81. *The ISLANDS Project. III. Variable Stars in Six Andromeda Dwarf Spheroidal Galaxies*
C. Martinez-Vazquez and 17 coauthors, including M. Boylan-Kolchin (2017), [ApJ, 850, 137](#)
80. *Dwarf Galaxy Mass Estimators vs. Cosmological Simulations*
A. Gonzalez-Samaniego, J. Bullock, M. Boylan-Kolchin, A. Fitts, O. Elbert, P. Hopkins, D. Kereš, C. Faucher-Giguère, E. Quataert (2017), [MNRAS, 472, 4786](#)
79. *The Globular Cluster – Dark Matter Halo Connection*
M. Boylan-Kolchin (2017), [MNRAS, 472, 3120](#)

78. *SIDM on FIRE: Hydrodynamical Self-Interacting Dark Matter Simulations of Low-mass Dwarf Galaxies*
V. Robles, J. Bullock, O. Elbert, A. Fitts, A. Gonzalez-Samaniego, **M. Boylan-Kolchin**, P. Hopkins, C. Faucher-Giguère, D. Kereš, C. Hayward (2017), [MNRAS, 472, 2945](#)
77. *The Importance of Preventive Feedback: Inference from Observations of the Stellar Masses and Metallicities for Milky Way Dwarf Galaxies*
Y. Lu, A. Benson, A. Wetzel, Y. Mao, S. Tonnesen, A. Peter, **M. Boylan-Kolchin**, R. Wechsler (2017), [ApJ, 846, 66](#)
76. *Galaxy Formation with BECDM - I. Turbulence and Relaxation of Idealized Haloes*
P. Mocz, M. Vogelsberger, V. Robles, J. Zavala, **M. Boylan-Kolchin**, A. Fialkov, L. Hernquist (2017) [MNRAS, 471, 4559](#)
75. *FIRE in the Field: Simulating the Threshold of Galaxy Formation*
A. Fitts, **M. Boylan-Kolchin**, O. Elbert, J. Bullock, J. Oñorbe, C. Wheeler, P. Hopkins, C. Faucher-Giguère, D. Kereš, E. Skillman, D. Weisz (2017), [MNRAS, 471, 3547](#)
74. *Not So Lumpy After All: Modeling the Depletion of Dark Matter Subhalos by Milky Way-like Galaxies*
S. Garrison-Kimmel, A. Wetzel, J. Bullock, P. Hopkins, **M. Boylan-Kolchin**, C. Faucher-Giguère, D. Kereš, E. Quataert, R. Sanderson, T. Kelley (2017), [MNRAS, 471, 1709](#)
73. *Small-Scale Challenges to the Λ CDM Paradigm*
J. Bullock & **M. Boylan-Kolchin** (2017), [ARAA, 55, 343](#)
72. *Local Group Ultra-Faint Dwarf Galaxies in the Reionization Era*
D. Weisz & **M. Boylan-Kolchin** (2017), [MNRAS, 469, L83](#)
71. *The Proper Motion of Pyxis: the First Use of Adaptive Optics in Tandem with HST on a Faint Halo Object*
T. Fritz and 15 co-authors, including **M. Boylan-Kolchin** (2017), [ApJ, 840, 30](#)
70. *UVUDF: UV Luminosity Functions at Cosmic High Noon*
V. Mehta and 15 co-authors, including **M. Boylan-Kolchin** (2017), [ApJ, 838, 29](#)
69. *The ISLANDS Project II: The Lifetime Star Formation Histories of Six Andromeda dSphs*
E. Skillman and 19 co-authors, including **M. Boylan-Kolchin** (2017), [ApJ, 837, 102](#)
68. *DDO216-A1: A Central Globular Cluster in a Low-Luminosity Transition Type Galaxy*
A. Cole and 13 co-authors, including **M. Boylan-Kolchin** (2017), [ApJ, 837, 54](#)
67. *The No-Spin Zone: Rotation versus Dispersion Support in Observed and Simulated Dwarf Galaxies*
C. Wheeler, A. Pace, J. Bullock, **M. Boylan-Kolchin**, J. Oñorbe, A. Fitts, P. Hopkins, D. Kereš (2017), [MNRAS, 465, 2420](#)
66. *Organized Chaos: Scatter in the Relation Between Stellar Mass and Halo Mass in Small Galaxies*
S. Garrison-Kimmel, J. Bullock, **M. Boylan-Kolchin**, E. Bardwell (2016), [MNRAS, 464, 3120](#)
65. *The Connection Between the Host Halo and the Satellite Galaxies of the Milky Way*
Y. Lu, A. Benson, Y. Mao, S. Tonnesen, A. Peter, A. Wetzel, **M. Boylan-Kolchin**, R. Wechsler (2016), [ApJ, 830, 59](#)
64. *Testing DARKexp against energy and density distributions of Millennium-II halos*
C. Nolting, L. Williams, **M. Boylan-Kolchin**, J. Hjorth (2016), [JCAP, 09, 42](#)
63. *Under Pressure: Quenching Star Formation in Low-Mass Satellite Galaxies via Stripping*
S. Fillingham, M. Cooper, A. Pace, **M. Boylan-Kolchin**, J. Bullock, S. Garrison-Kimmel, C. Wheeler (2016), [MNRAS, 463, 1916](#)

62. *The Local Group: The Ultimate Deep Field*
M. Boylan-Kolchin, D. Weisz, J. Bullock, M. Cooper (2016), [MNRAS, 462, L51](#)
61. *The Mass Profile of the Milky Way to the Virial Radius from the Illustris Simulation*
C. Taylor, M. Boylan-Kolchin, P. Torrey, M. Vogelsberger, L. Hernquist (2016), [MNRAS, 461, 3483](#)
60. *Resonant Sterile Neutrino Dark Matter in the Local and High- z Universe*
B. Bozek, M. Boylan-Kolchin, S. Horiuchi, S. Garrison-Kimmel, K. Abazajian, J. Bullock (2016), [MNRAS, 459, 1489](#)
59. *The ISLANDS Project I: Andromeda XVI, an Extremely Low-Mass Galaxy Not Quenched by Reionization*
M. Monelli and 15 co-authors, including M. Boylan-Kolchin (2016), [ApJ, 819, 147](#)
58. *Properties of Resonantly Produced Sterile Neutrino Dark Matter Subhalos*
S. Horiuchi, B. Bozek, K. Abazajian, M. Boylan-Kolchin, J. Bullock, S. Garrison-Kimmel, J. Oñorbe (2016), [MNRAS, 456, 4346](#)
57. *Push It to The Limit: Local Group Constraints on High-redshift Stellar Mass Functions to $M_{\star} \geq 10^5 M_{\odot}$*
A. Graus, J. Bullock, M. Boylan-Kolchin, D. Weisz (2016), [MNRAS, 456, 477](#)
56. *Forged in FIRE: Cusps, Cores, and Baryons in Low-Mass Dwarf Galaxies*
J. Oñorbe, M. Boylan-Kolchin, J. Bullock, P. Hopkins, D. Kereš, C. Faucher-Giguère, E. Quataert, N. Murray (2015), [MNRAS, 454, 2092](#)
55. *Taking Care of Business in a Flash ‡: Constraining the Timescale for Low-Mass Satellite Quenching with ELVIS*
S. Fillingham, M. Cooper, C. Wheeler, S. Garrison-Kimmel, M. Boylan-Kolchin, J. Bullock (2015), [MNRAS, 454, 2039](#)
54. *Are Rotating Planes of Satellite Galaxies Ubiquitous?*
J. Phillips, M. Cooper, J. Bullock, M. Boylan-Kolchin (2015), [MNRAS, 453, 3839](#)
53. *The Local Group as a Time Machine: Studying the High-Redshift Universe with Nearby Galaxies*
M. Boylan-Kolchin, D. Weisz, B. Johnson, J. Bullock, C. Conroy, A. Fitts (2015), [MNRAS, 453, 1503](#)
52. *Sweating the Small Stuff: Simulating Dwarf Galaxies, Ultra-Faint Dwarf Galaxies, and Their Own Tiny Satellites*
C. Wheeler, J. Oñorbe, J. Bullock, M. Boylan-Kolchin, O. Elbert, S. Garrison-Kimmel, P. Hopkins, D. Kereš (2015), [MNRAS, 453, 1305](#)
51. *The Mass Dependence of Satellite Quenching in Milky Way-like Haloes*
J. Phillips, C. Wheeler, M. Cooper, M. Boylan-Kolchin, J. Bullock, E. Tollerud (2015), [MNRAS, 447, 702](#)
50. *Too Big to Fail in the Local Group*
S. Garrison-Kimmel, M. Boylan-Kolchin, J. Bullock, E. Kirby (2014), [MNRAS, 444, 222](#)
49. *Near-Field Limits on the Role of Faint Galaxies in Cosmic Reionization*
M. Boylan-Kolchin, J. Bullock, S. Garrison-Kimmel (2014), [MNRAS, 443, L44](#)
48. *The Surprising Inefficiency of Dwarf Satellite Quenching*
C. Wheeler, J. Phillips, M. Cooper, M. Boylan-Kolchin, J. Bullock (2014), [MNRAS, 442, 1396](#)
47. *Comparing M31 and Milky Way Satellites: The Extended Star Formation Histories of Andromeda II and Andromeda XVI*
D. Weisz and 18 co-authors, including M. Boylan-Kolchin (2014), [ApJ, 789, 24](#)
46. *A Semi-Analytic Model Comparison: Testing Cooling Models Against Hydrodynamical Simulations*
P. Monaco, A. Benson, G. De Lucia, F. Fontanot, S. Borgani, M. Boylan-Kolchin (2014), [MNRAS, 441, 2058](#)

45. *The Mass-Concentration-Redshift Relation of Cold Dark Matter Haloes*
A. Ludlow, J. Navarro, R. Angulo, **M. Boylan-Kolchin**, V. Springel, C. Frenk, S. D. M. White (2014), [MNRAS, 441, 378](#)
44. *M31 Satellite Masses Compared to Λ CDM Subhaloes*
E. Tollerud, **M. Boylan-Kolchin**, J. Bullock (2014), [MNRAS, 440, 3511](#)
43. *Cosmology: A Virtual Universe*
M. Boylan-Kolchin (2014), [Nature, 509, 170](#)
42. *The ACS LCID Project. X. The Star Formation History of IC 1613: Revisiting the Over-Cooling Problem*
E. D. Skillman and 15 co-authors, including **M. Boylan-Kolchin** (2014), [ApJ, 786, 44](#)
41. *The Dynamics of Isolated Local Group Galaxies*
E. Kirby, J. Bullock, **M. Boylan-Kolchin**, M. Kaplinghat, J. Cohen (2014), [MNRAS, 439, 1015](#)
40. *On the Stark Difference in the Radial Distribution of Satellite Galaxies around the Milky Way and Andromeda*
B. Yniguez, S. Garrison-Kimmel, **M. Boylan-Kolchin**, J. Bullock (2014), [MNRAS, 439, 73](#)
39. *ELVIS: Exploring the Local Volume in Simulations*
S. Garrison-Kimmel, **M. Boylan-Kolchin**, J. Bullock, K. Lee (2014), [MNRAS, 438, 2578](#)
38. *A Dichotomy in Satellite Quenching Around L^* Galaxies*
J. Phillips, C. Wheeler, **M. Boylan-Kolchin**, J. Bullock, M. Cooper, E. Tollerud (2014), [MNRAS, 437, 1930](#)
37. *Galactic Accretion and the Outer Structure of Galaxies in the CDM Model*
A. Cooper, R. D'Souza, G. Kauffmann, J. Wang, **M. Boylan-Kolchin**, Q. Guo, C. Frenk, S. D. M. White (2013), [MNRAS, 434, 3348](#)
36. *Can Feedback Solve the Too Big To Fail Problem?*
S. Garrison-Kimmel, M. Rocha, **M. Boylan-Kolchin**, J. Bullock, J. Lally (2013), [MNRAS, 433, 3539](#)
35. *The Rapid Assembly of an Elliptical Galaxy of 400 Billion Solar Masses at a Redshift of 2.3*
H. Fu and 43 co-authors, including **M. Boylan-Kolchin** (2013), [Nature, 498, 338](#)
34. *The Mass Profile and Accretion History of Cold Dark Matter Haloes*
A. Ludlow, J. Navarro, **M. Boylan-Kolchin**, P. Bett, R. Angulo, M. Li, S. D. M. White, C. Frenk, V. Springel (2013), [MNRAS, 432, 1103](#)
33. *Segue 2: The Least Massive Galaxy*
E. Kirby, **M. Boylan-Kolchin**, J. Cohen, M. Geha, J. Bullock, M. Kaplinghat (2013), [ApJ, 770, 16](#)
32. *The Space Motion of Leo I: The Mass of the Milky Way's Dark Matter Halo*
M. Boylan-Kolchin, J. Bullock, S. T. Sohn, G. Besla, R. van der Marel (2013), [ApJ, 768, 140](#)
31. *The Space Motion of Leo I: Hubble Space Telescope Proper Motion and Implied Orbit*
S. T. Sohn, G. Besla, R. van der Marel, **M. Boylan-Kolchin**, S. Majewski, J. Bullock (2013), [ApJ, 768, 139](#)
30. *Galaxy Formation in WMAP1 and WMAP7 Cosmologies*
Q. Guo, S. D. M. White, R. Angulo, B. Henriques, G. Lemson, **M. Boylan-Kolchin**, P. Thomas, C. Short (2013), [MNRAS, 428, 1351](#)
29. *On the Hot Gas Content of the Milky Way Halo*
T. Fang, J. Bullock, **M. Boylan-Kolchin** (2013), [ApJ, 762, 20](#)
28. *The Growth of Galactic Bulges Through Mergers in Λ CDM Haloes Revisited. I. Present-day Properties*
J. Zavala, V. Avila-Reese, C. Firmani, **M. Boylan-Kolchin** (2012), [MNRAS, 427, 1503](#)

27. *The Dynamical State and Mass-Concentration Relation of Galaxy Clusters*
A. Ludlow, J. Navarro, M. Li, R. Angulo, **M. Boylan-Kolchin**, P. Bett (2012), [MNRAS, 427, 1322](#)
26. *The Milky Way's Bright Satellites as an Apparent Failure of Λ CDM*
M. Boylan-Kolchin, J. Bullock, M. Kaplinghat (2012), [MNRAS, 422, 1203](#)
25. *The Effects of Patchy Reionization on Satellite Galaxies of the Milky Way*
R. Lunnan, M. Vogelsberger, A. Frebel, L. Hernquist, A. Lidz, **M. Boylan-Kolchin** (2012), [ApJ, 746, 109](#)
24. *Convergence of Galaxy Properties with Merger Tree Temporal Resolution*
A. J. Benson, S. Borgani, G. De Lucia, **M. Boylan-Kolchin**, P. Monaco (2012), [MNRAS, 419, 3590](#)
23. *A Tale of Two Populations: The Stellar Mass of Central and Satellite Galaxies*
E. Neistein, C. Li, S. Khochfar, S. Weinmann, F. Shankar, **M. Boylan-Kolchin** (2011), [MNRAS, 416, 1486](#)
22. *Small Scale Structure in the SDSS and Λ CDM: Isolated $\sim L_*$ Galaxies with Bright Satellites*
E. Tollerud, **M. Boylan-Kolchin**, E. Barton, J. Bullock, C. Trinh (2011), [ApJ, 738, 102](#)
21. *The Density and Pseudo-Phase-Space Density Profiles of CDM Haloes*
A. Ludlow, J. Navarro, S. D. M. White, **M. Boylan-Kolchin**, V. Springel, A. Jenkins, C. Frenk (2011), [MNRAS, 415, 3895](#)
20. *Too Big to Fail? The Puzzling Darkness of Massive Milky Way Subhaloes*
M. Boylan-Kolchin, J. Bullock, M. Kaplinghat (2011), [MNRAS, 415, L40](#)
19. *Dynamics of the Magellanic Clouds in a Λ CDM Universe*
M. Boylan-Kolchin, G. Besla, L. Hernquist (2011), [MNRAS, 414, 1560](#)
18. *Linking Haloes to Galaxies: How Many Halo Properties Are Needed?*
E. Neistein, S. Weinmann, C. Li, **M. Boylan-Kolchin** (2011), [MNRAS, 414, 1405](#)
17. *From Dwarf Spheroidals to cDs: Simulating the Galaxy Population in a Λ CDM Cosmology*
Q. Guo, S. D. M. White, **M. Boylan-Kolchin**, G. De Lucia, G. Kauffmann, G. Lemson, C. Li, V. Springel, S. Weinmann (2011), [MNRAS, 413, 101](#)
16. *The Statistics of the Subhalo Abundance of Dark Matter Haloes*
L. Gao, C. S. Frenk, **M. Boylan-Kolchin**, A. Jenkins, V. Springel, S. D. M. White (2011), [MNRAS, 410, 2309](#)
15. *The Merger Rates & Mass Assembly Histories of Dark Matter Haloes in the Two Millennium Simulations*
O. Fakhouri, C.-P. Ma, **M. Boylan-Kolchin** (2010), [MNRAS, 406, 2267](#)
14. *A Semi-Analytic Comparison - Gas Cooling and Galaxy Mergers*
G. De Lucia, **M. Boylan-Kolchin**, A. J. Benson, F. Fontanot, P. Monaco (2010), [MNRAS, 406, 1533](#)
13. *There's No Place Like Home? Statistics of Milky Way-Mass Dark Matter Haloes*
M. Boylan-Kolchin, V. Springel, S. D. M. White, A. Jenkins (2010), [MNRAS, 406, 896](#)
12. *Further Constraining Galaxy Evolution Models Through the Size Function of SDSS Early-Type Galaxies*
F. Shankar, F. Marulli, M. Bernardi, **M. Boylan-Kolchin**, X. Dai, S. Khochfar (2010), [MNRAS, 405, 948](#)
11. *Extragalactic Gamma-Ray Background Radiation from Dark Matter Annihilation*
J. Zavala, V. Springel, **M. Boylan-Kolchin** (2010), [MNRAS, 405, 593](#)
10. *How Do Galaxies Populate Dark Matter Haloes?*
Q. Guo, S. D. M. White, C. Li, **M. Boylan-Kolchin** (2010), [MNRAS, 404, 1111](#)
9. *Resolving Cosmic Structure Formation with the Millennium-II Simulation*
M. Boylan-Kolchin, V. Springel, S. D. M. White, A. Jenkins, G. Lemson (2009), [MNRAS, 398, 1150](#)

8. *Dynamical Friction and Galaxy Merging Timescales*
M. Boylan-Kolchin, C.-P. Ma, E. Quataert (2008), [MNRAS, 383, 93](#)
7. *Satellite Accretion on to Massive Galaxies with Central Black Holes*
M. Boylan-Kolchin & C.-P. Ma (2007), [MNRAS, 374, 1227](#)
6. *Red Mergers & the Assembly of Massive Elliptical Galaxies: The Fundamental Plane & Its Projections*
M. Boylan-Kolchin, C.-P. Ma, E. Quataert (2006), [MNRAS, 369, 1081](#)
5. *Dissipationless Mergers of Elliptical Galaxies and the Evolution of the Fundamental Plane*
M. Boylan-Kolchin, C.-P. Ma, E. Quataert (2005), [MNRAS, 362, 184](#)
4. *Core Formation in Galactic Nuclei Due To Recoiling Black Holes*
M. Boylan-Kolchin, C.-P. Ma, E. Quataert (2004), [ApJ, 613, L37](#)
3. *Are Haloes of Collisionless Cold Dark Matter Collisionless?*
C.-P. Ma & M. Boylan-Kolchin (2004), [Physical Review Letters, 93, 021301](#)
2. *Major Mergers of Galaxy Haloes: Cuspy or Cored Inner Density Profile?*
M. Boylan-Kolchin & C.-P. Ma (2004), [MNRAS, 349, 1117](#)
1. *A 700 Year-old Pulsar in the Supernova Remnant Kesteven 75*
E.V. Gotthelf, G. Vasisht, M. Boylan-Kolchin, K. Torii (2000), [ApJ, 542, L37](#)