

# Eliot Quataert

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

270  
papers

25,456  
citations

86  
h-index

154  
g-index

280  
ext. papers

29,276  
ext. citations

5.2  
avg, IF

7.56  
L-index

#	Paper	IF	Citations
270	The Effects of Tilt on the Time Variability of Millimeter and Infrared Emission from Sagittarius A*. <i>Astrophysical Journal</i> , <b>2022</b> , 926, 136	4.7	3
269	Optical to X-Ray Signatures of Dense Circumstellar Interaction in Core-collapse Supernovae. <i>Astrophysical Journal</i> , <b>2022</b> , 928, 122	4.7	0
268	The impact of r-process heating on the dynamics of neutron star merger accretion disc winds and their electromagnetic radiation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 510, 2968-2979	4.3	3
267	Thermal Electrons in Mildly Relativistic Synchrotron Blast Waves. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 923, L14	7.9	4
266	Adaptive Critical Balance and Firehose Instability in an Expanding, Turbulent, Collisionless Plasma. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 922, L35	7.9	0
265	Testing physical models for cosmic ray transport coefficients on galactic scales: self-confinement and extrinsic turbulence at ~GeV energies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 501, 4184-4213	4.3	30
264	Virialization of the Inner CGM in the FIRE Simulations and Implications for Galaxy Disks, Star Formation, and Feedback. <i>Astrophysical Journal</i> , <b>2021</b> , 911, 88	4.7	21
263	The contribution of globular clusters to cosmic reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 4062-4071	4.3	3
262	Virial shocks are suppressed in cosmic ray-dominated galaxy haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 259-273	4.3	5
261	The bursty origin of the Milky Way thick disc. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 889-902	4.3	6
260	LAMOST J0140355 + 392651: an evolved cataclysmic variable donor transitioning to become an extremely low-mass white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 2051-2073	4.3	2
259	Thermal instability in the CGM of L? galaxies: testing precipitation models with the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 1841-1862	4.3	8
258	The effect of jet-object interaction on the viewing angle dependence of kilonova light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 865-875	4.3	9
257	The impact of astrophysical dust grains on the confinement of cosmic rays. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 2630-2644	4.3	4
256	Exploring the epoch of hydrogen reionization using FRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 5134-5146	4.3	12
255	Magnetically modified spherical accretion in GRMHD: reconnection-driven convection and jet propagation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 6076-6095	4.3	7
254	A stripped-companion origin for Be stars: clues from the putative black holes HR 6819 and LB-1. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 3436-3455	4.3	19

253	Suppressed heat conductivity in the intracluster medium: implications for the magneto-thermal instability. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 3435-3454	4-3	2
252	A model for the formation of stellar associations and clusters from giant molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 3239-3258	4-3	16
251	Neutral CGM as damped Ly $\alpha$ absorbers at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 2869-2884	4-3	2
250	Cosmological Simulations of Quasar Fueling to Subparsec Scales Using Lagrangian Hyper-refinement. <i>Astrophysical Journal</i> , <b>2021</b> , 917, 53	4-7	12
249	Surface manifestation of stochastically excited internal gravity waves. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 508, 132-143	4-3	1
248	The Effects of Tilt on the Images of Black Hole Accretion Flows. <i>Astrophysical Journal</i> , <b>2020</b> , 894, 14	4-7	12
247	The Impact of Type Ia Supernovae in Quiescent Galaxies. I. Formation of the Multiphase Interstellar Medium. <i>Astrophysical Journal</i> , <b>2020</b> , 894, 44	4-7	8
246	Sound-wave instabilities in dilute plasmas with cosmic rays: implications for cosmic ray confinement and the Perseus X-ray ripples. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 5323-5335	4-3	3
245	Ab Initio Horizon-scale Simulations of Magnetically Arrested Accretion in Sagittarius A* Fed by Stellar Winds. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 896, L6	7-9	24
244	Black widow evolution: magnetic braking by an ablated wind. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 3656-3665	4-3	8
243	Large-scale poloidal magnetic field dynamo leads to powerful jets in GRMHD simulations of black hole accretion with toroidal field. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 3656-3662	4-3	47
242	The maximum accretion rate of hot gas in dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 492, 6042-6058	4-3	19
241	Synthetic Gaia Surveys from the FIRE Cosmological Simulations of Milky Way-mass Galaxies. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 6	8	43
240	On the comparison of AGN with GRMHD simulations: I. Sgr A*. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 1404-1418	4-3	19
239	But what about...: cosmic rays, magnetic fields, conduction, and viscosity in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 492, 3465-3498	4-3	47
238	Not so fast: LB-1 is unlikely to contain a 70 M $\odot$ black hole. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2020</b> , 493, L22-L27	4-3	41
237	Direct Detection of Black Hole-driven Turbulence in the Centers of Galaxy Clusters. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 889, L1	7-9	25
236	Thermal instability of halo gas heated by streaming cosmic rays. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 1801-1817	4-3	14

235	Self-consistent proto-globular cluster formation in cosmological simulations of high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 4315-4332	4-3	35
234	The Structure of Radiatively Inefficient Black Hole Accretion Flows. <i>Astrophysical Journal</i> , <b>2020</b> , 891, 63	4-7	11
233	Self-sustaining sound in collisionless, high- $\beta$ plasma. <i>Journal of Plasma Physics</i> , <b>2020</b> , 86,	2-7	5
232	The Impact of Type Ia Supernovae in Quiescent Galaxies. II. Energetics and Turbulence. <i>Astrophysical Journal</i> , <b>2020</b> , 898, 23	4-7	11
231	The Zwicky Transient Facility Census of the Local Universe. I. Systematic Search for Calcium-rich Gap Transients Reveals Three Related Spectroscopic Subclasses. <i>Astrophysical Journal</i> , <b>2020</b> , 905, 58	4-7	27
230	Black widow formation by pulsar irradiation and sustained magnetic braking. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 500, 1592-1603	4-3	4
229	The surprisingly small impact of magnetic fields on the inner accretion flow of Sagittarius A* fueled by stellar winds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 492, 3272-3293	4-3	23
228	Properties of the circumgalactic medium in cosmic ray-dominated galaxy haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 4221-4238	4-3	45
227	No missing photons for reionization: moderate ionizing photon escape fractions from the FIRE-2 simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 2001-2017	4-3	34
226	Pressure balance in the multiphase ISM of cosmologically simulated disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 3664-3683	4-3	15
225	The impact of AGN wind feedback in simulations of isolated galaxies with a multiphase ISM. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 5292-5308	4-3	10
224	A predicted correlation between age gradient and star formation history in FIRE dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 1186-1201	4-3	12
223	Cooling flow solutions for the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 2549-2572	4-3	36
222	Multiphase gas in the circumgalactic medium: relative role of tcool/tff and density fluctuations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 3195-3210	4-3	22
221	Shearing-box simulations of MRI-driven turbulence in weakly collisional accretion discs.. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 4013-4029	4-3	7
220	The Local Group on FIRE: dwarf galaxy populations across a suite of hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 1380-1399	4-3	83
219	A Resolution Study of Magnetically Arrested Disks. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 168	4-7	22
218	Dust attenuation, dust emission, and dust temperature in galaxies at $z \lesssim 1$ : a view from the FIRE-2 simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 1844-1864	4-3	53

217	Black hole accretion discs and luminous transients in failed supernovae from non-rotating supergiants. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2019</b> , 485, L83-L88	4-3	40
216	Simulations of jet heating in galaxy clusters: successes and challenges. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 2465-2486	4-3	27
215	The maximum stellar surface density due to the failure of stellar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 5548-5553	4-3	7
214	Accretion of magnetized stellar winds in the Galactic centre: implications for Sgr A* and PSR J1745-0900. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2019</b> , 482, L123-L128	4-3	10
213	Weak Shock Propagation with Accretion. II. Stability of Self-similar Solutions to Radial Perturbations. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 58	4-7	10
212	Tilted Disks around Black Holes: A Numerical Parameter Survey for Spin and Inclination Angle. <i>Astrophysical Journal</i> , <b>2019</b> , 878, 51	4-7	16
211	Hybrid-kinetic Simulations of Ion Heating in Alfvénic Turbulence. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 53	4-7	40
210	Evolution of supernovae-driven superbubbles with conduction and cooling. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 1961-1990	4-3	32
209	The role of magnetic field geometry in the evolution of neutron star merger accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 4811-4825	4-3	50
208	Be it therefore resolved: cosmological simulations of dwarf galaxies with 30 solar mass resolution. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 4447-4463	4-3	71
207	Cosmic ray feedback in the FIRE simulations: constraining cosmic ray propagation with GeV $\gamma$ -ray emission. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 3716-3744	4-3	58
206	On the dust temperatures of high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 1397-1422	4-3	61
205	Weak Shock Propagation with Accretion. III. A Numerical Study on Shock Propagation and Stability. <i>Astrophysical Journal</i> , <b>2019</b> , 878, 150	4-7	5
204	Magneto-immutable turbulence in weakly collisional plasmas.. <i>Journal of Plasma Physics</i> , <b>2019</b> , 85,	2-7	15
203	The Fate of Asymptotic Giant Branch Winds in Massive Galaxies and the Intracluster Medium. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 41	4-7	13
202	The Progenitors of Calcium-strong Transients. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 180	4-7	18
201	Low-frequency Variability in Massive Stars: Core Generation or Surface Phenomenon?. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 886, L15	7-9	23
200	Gravitational interactions of stars with supermassive black hole binaries III. Hypervelocity stars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 2132-2148	4-3	10

199	Long-term GRMHD simulations of neutron star merger accretion discs: implications for electromagnetic counterparts. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 3373-3393	4.3	130
198	The formation and hierarchical assembly of globular cluster populations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 4528-4552	4.3	69
197	Gravitational interactions of stars with supermassive black hole binaries II. Tidal disruption events. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 4009-4034	4.3	13
196	When feedback fails: the scaling and saturation of star formation efficiency. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 3511-3528	4.3	80
195	On the deuterium abundance and the importance of stellar mass loss in the interstellar and intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 80-92	4.3	4
194	An Empirical Study of Contamination in Deep, Rapid, and Wide-field Optical Follow-up of Gravitational Wave Events. <i>Astrophysical Journal</i> , <b>2018</b> , 858, 18	4.7	10
193	Mass ejection in failed supernovae: variation with stellar progenitor. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 2366-2383	4.3	56
192	Hydrodynamic simulations of the inner accretion flow of Sagittarius A* fuelled by stellar winds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 3544-3563	4.3	37
191	How to model supernovae in simulations of star and galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 1578-1603	4.3	88
190	Where are the most ancient stars in the Milky Way?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 652-668	4.3	63
189	Predicting the binary black hole population of the Milky Way with cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 2704-2718	4.3	42
188	Stellar Binaries Incident on Supermassive Black Hole Binaries: Implications for Double Tidal Disruption Events, Calcium-rich Transients, and Hypervelocity Stars. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 863, L24	7.9	12
187	Weak Shock Propagation with Accretion. I. Self-similar Solutions and Application to Failed Supernovae. <i>Astrophysical Journal</i> , <b>2018</b> , 863, 158	4.7	19
186	Simulating galaxies in the reionization era with FIRE-2: galaxy scaling relations, stellar mass functions, and luminosity functions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 1694-1715	4.3	68
185	PIC Simulations of Velocity-space Instabilities in a Decreasing Magnetic Field: Viscosity and Thermal Conduction. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 132	4.7	10
184	Fast winds drive slow shells: a model for the circumgalactic medium as galactic wind-driven bubbles. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 1873-1896	4.3	23
183	Stellar feedback strongly alters the amplification and morphology of galactic magnetic fields. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2018</b> , 473, L111-L115	4.3	15
182	Submillimetre flux as a probe of molecular ISM mass in high-z galaxies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2018</b> , 478, L83-L88	4.3	29

181	Two-temperature GRRMHD Simulations of M87. <i>Astrophysical Journal</i> , <b>2018</b> , 864, 126	4.7	44
180	A physical model of mass ejection in failed supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 1225-1238	4.3	22
179	Inefficient angular momentum transport in accretion disc boundary layers: angular momentum belt in the boundary layer. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 1528-1541	4.3	6
178	Clustered supernovae drive powerful galactic winds after superbubble breakout. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 3325-3347	4.3	66
177	The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 4133-4157	4.3	62
176	Outbursts of luminous blue variable stars from variations in the helium opacity. <i>Nature</i> , <b>2018</b> , 561, 498-504	5.4	40
175	Jet Dynamics in Compact Object Mergers: GW170817 Likely Had a Successful Jet. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 3	4.7	38
174	No assembly required: mergers are mostly irrelevant for the growth of low-mass dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 319-331	4.3	34
173	Simulating galaxies in the reionization era with FIRE-2: morphologies and sizes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 219-229	4.3	29
172	FIRE-2 simulations: physics versus numerics in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 800-863	4.3	413
171	Gas kinematics, morphology and angular momentum in the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 1930-1955	4.3	94
170	Modelling chemical abundance distributions for dwarf galaxies in the Local Group: the impact of turbulent metal diffusion. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 2194-2211	4.3	72
169	Discovery and characterization of 3000+ main-sequence binaries from APOGEE spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 528-553	4.3	51
168	A Magnetar Origin for the Kilonova Ejecta in GW170817. <i>Astrophysical Journal</i> , <b>2018</b> , 856, 101	4.7	107
167	What FIREs up star formation: the emergence of the Kennicutt-Schmidt law from feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 3653-3673	4.3	63
166	Gas kinematics in FIRE simulated galaxies compared to spatially unresolved HI observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 1536-1548	4.3	23
165	When the Jeans do not Fit: How Stellar Feedback Drives Stellar Kinematics and Complicates Dynamical Modeling in Low-mass Galaxies. <i>Astrophysical Journal</i> , <b>2017</b> , 835, 193	4.7	29
164	How important is non-ideal physics in simulations of sub-Eddington accretion on to spinning black holes?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 2240-2252	4.3	25

163	Kinetic Simulations of the Interruption of Large-Amplitude Shear-Alfvén Waves in a High- $\beta$ Plasma. <i>Physical Review Letters</i> , <b>2017</b> , 119, 155101	7.4	18
162	Origin of the heavy elements in binary neutron-star mergers from a gravitational-wave event. <i>Nature</i> , <b>2017</b> , 551, 80-84	50.4	513
161	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-infrared Light Curves and Comparison to Kilonova Models. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L17	7.9	468
160	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. IV. Detection of Near-infrared Signatures of r -process Nucleosynthesis with Gemini-South. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L19	7.9	274
159	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L16	7.9	295
158	The impact of star formation feedback on the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 466, 3810-3826	4.3	89
157	Black holes on FIRE: stellar feedback limits early feeding of galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2017</b> , 472, L109-L114	4.3	120
156	Entrainment in trouble: cool cloud acceleration and destruction in hot supernova-driven galactic winds. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 4801-4814	4.3	51
155	The structure and dynamical evolution of the stellar disc of a simulated Milky Way-mass galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 467, 2430-2444	4.3	101
154	The cosmic baryon cycle and galaxy mass assembly in the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 4698-4719	4.3	188
153	Not so lumpy after all: modelling the depletion of dark matter subhaloes by Milky Way-like galaxies'. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 471, 1709-1727	4.3	173
152	The Radiative Efficiency and Spectra of Slowly Accreting Black Holes from Two-temperature GRRMHD Simulations. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 844, L24	7.9	44
151	An instability of feedback-regulated star formation in galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 467, 2301-2314	4.3	31
150	Stochastic Electron Acceleration by the Whistler Instability in a Growing Magnetic Field. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 113	4.7	7
149	Convection Destroys the Core/Mantle Structure in Hybrid C/O/Ne White Dwarfs. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 834, L9	7.9	25
148	Amplitude limits and nonlinear damping of shear-Alfvén waves in high-beta low-collisionality plasmas. <i>New Journal of Physics</i> , <b>2017</b> , 19, 055005	2.9	12
147	Accretion-induced Collapse from Helium Star + White Dwarf Binaries. <i>Astrophysical Journal</i> , <b>2017</b> , 843, 151	4.7	26
146	The Effects of Magnetic Fields on the Dynamics of Radiation Pressure-dominated Massive Star Envelopes. <i>Astrophysical Journal</i> , <b>2017</b> , 843, 68	4.7	11



145	A diagnostic for localizing red giant differential rotation. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2017</b> , 464, L16-L20	4.3	11
144	Pressure-anisotropy-induced nonlinearities in the kinetic magnetorotational instability. <i>Journal of Plasma Physics</i> , <b>2017</b> , 83,	2.7	9
143	The statistical challenge of constraining the low-mass IMF in Local Group dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 319-332	4.3	18
142	Colours, star formation rates and environments of star-forming and quiescent galaxies at the cosmic noon. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 1050-1072	4.3	45
141	Metal flows of the circumgalactic medium, and the metal budget in galactic haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 4170-4188	4.3	83
140	Fast and Luminous Transients from the Explosions of Long-lived Massive White Dwarf Merger Remnants. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 127	4.7	6
139	Testing the Recovery of Intrinsic Galaxy Sizes and Masses of $z \sim 2$ Massive Galaxies Using Cosmological Simulations. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 844, L6	7.9	18
138	How supernovae launch galactic winds?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2017</b> , 470, L39-L43	4.3	47
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1 Galaxies lacking dark matter produced by close encounters in a cosmological simulation. *Nature Astronomy*, 12.1 4