Eliot Quataert

List of Publications by Year
in descending order

277 papers	33,199 citations	2322 98 h-index	4228 174 g-index
280 all docs	280 docs citations	280 times ranked	13189 citing authors

#	Article	IF	Citations
1	Numerical simulations of the random angular momentum in convection: Implications for supergiant collapse to form black holes. Monthly Notices of the Royal Astronomical Society, 2022, 511, 176-197.	4.4	28
2	The Effects of Tilt on the Time Variability of Millimeter and Infrared Emission from Sagittarius A*. Astrophysical Journal, 2022, 926, 136.	4.5	3
3	Galaxies lacking dark matter produced by close encounters in a cosmological simulation. Nature Astronomy, 2022, 6, 496-502.	10.1	31
4	High-frequency heating of the solar wind triggered by low-frequency turbulence. Nature Astronomy, 2022, 6, 715-723.	10.1	41
5	Optical to X-Ray Signatures of Dense Circumstellar Interaction in Core-collapse Supernovae. Astrophysical Journal, 2022, 928, 122.	4.5	12
6	The impact of r-process heating on the dynamics of neutron star merger accretion disc winds and their electromagnetic radiation. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2968-2979.	4.4	11
7	Reconciling cosmic ray transport theory with phenomenological models motivated by Milky-Way data. Monthly Notices of the Royal Astronomical Society, 2022, 514, 657-674.	4.4	28
8	Hot-mode accretion and the physics of thin-discÂgalaxyÂformation. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5056-5073.	4.4	32
9	The In Situ Origins of Dwarf Stellar Outskirts in FIRE-2. Astrophysical Journal, 2022, 931, 152.	4.5	9
10	First predicted cosmic ray spectra, primary-to-secondary ratios, and ionization rates from MHD galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3470-3514.	4.4	22
11	Characterizing mass, momentum, energy, and metal outflow rates of multiphase galactic winds in the FIRE-2 cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2979-3008.	4.4	56
12	The effect of jetâ€“ejecta interaction on the viewing angle dependence of kilonova light curves. Monthly Notices of the Royal Astronomical Society, 2021, 502, 865-875.	4.4	20
13	The impact of astrophysical dust grains on the confinement of cosmic rays. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2630-2644.	4.4	21
14	Exploring the epoch of hydrogen reionization using FRBs. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5134-5146.	4.4	21
15	Magnetically modified spherical accretion in GRMHD: reconnection-driven convection and jet propagation. Monthly Notices of the Royal Astronomical Society, 2021, 504, 6076-6095.	4.4	21
16	A stripped-companion origin for Be stars: clues from the putative black holes HR 6819 and LB-1. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3436-3455.	4.4	40
17	Suppressed heat conductivity in the intracluster medium: implications for the magneto-thermal instability. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3435-3454.	4.4	9
18	Virialization of the Inner CGM in the FIRE Simulations and Implications for Galaxy Disks, Star Formation, and Feedback. Astrophysical Journal, 2021, 911, 88.	4.5	66

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19	The contribution of globular clusters to cosmic reionization. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4062-4071.	4.4	9
20	Virial shocks are suppressed in cosmic ray-dominated galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2021, 505, 259-273.	4.4	23
21	The bursty origin of the Milky Way thick disc. Monthly Notices of the Royal Astronomical Society, 2021, 505, 889-902.	4.4	32
22	LAMOST J0140355Â+Â392651: an evolved cataclysmic variable donor transitioning to become an extremely low-mass white dwarf. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2051-2073.	4.4	18
23	Thermal instability in the CGM of Lâ‹† galaxies: testing â€˜precipitationâ€™ models with the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1841-1862.	4.4	19
24	A model for the formation of stellar associations and clusters from giant molecular clouds. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3239-3258.	4.4	48
25	Neutral CGM as damped Lyâ€‰Î± absorbers at high redshift. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2869-2884.	4.4	17
26	Cosmological Simulations of Quasar Fueling to Subparsec Scales Using Lagrangian Hyper-refinement. Astrophysical Journal, 2021, 917, 53.	4.5	49
27	Surface manifestation of stochastically excited internal gravity waves. Monthly Notices of the Royal Astronomical Society, 2021, 508, 132-143.	4.4	8
28	Cosmic ray driven outflows to Mpc scales from L* galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3640-3662.	4.4	52
29	Testing physical models for cosmic ray transport coefficients on galactic scales: self-confinement and extrinsic turbulence at âˆ¼GeV energies. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4184-4213.	4.4	64
30	Effects of different cosmic ray transport models on galaxy formation. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3663-3669.	4.4	41
31	The physics of galactic winds driven by cosmic rays I: Diffusion. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1184-1203.	4.4	28
32	Gas infall and radial transport in cosmological simulations of milky way-mass discs. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4149-4170.	4.4	30
33	The physics of galactic winds driven by cosmic rays â€“ II. Isothermal streaming solutions. Monthly Notices of the Royal Astronomical Society, 2021, 510, 920-945.	4.4	28
34	Adaptive Critical Balance and Firehose Instability in an Expanding, Turbulent, Collisionless Plasma. Astrophysical Journal Letters, 2021, 922, L35.	8.3	14
35	Thermal Electrons in Mildly Relativistic Synchrotron Blast Waves. Astrophysical Journal Letters, 2021, 923, L14.	8.3	18
36	The surprisingly small impact of magnetic fields on the inner accretion flow of Sagittarius A* fueled by stellar winds. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3272-3293.	4.4	44

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37	Properties of the circumgalactic medium in cosmic ray-dominated galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4221-4238.	4.4	99
38	No missing photons for reionization: moderate ionizing photon escape fractions from the FIRE-2 simulations. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2001-2017.	4.4	75
39	Pressure balance in the multiphase ISM of cosmologically simulated disc galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3664-3683.	4.4	35
40	The impact of AGN wind feedback in simulations of isolated galaxies with a multiphase ISM. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5292-5308.	4.4	30
41	The Effects of Tilt on the Images of Black Hole Accretion Flows. Astrophysical Journal, 2020, 894, 14.	4.5	20
42	The Impact of Type Ia Supernovae in Quiescent Galaxies. I. Formation of the Multiphase Interstellar Medium. Astrophysical Journal, 2020, 894, 44.	4.5	13
43	Sound-wave instabilities in dilute plasmas with cosmic rays: implications for cosmic ray confinement and the Perseus X-ray ripples. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5323-5335.	4.4	13
44	Ab Initio Horizon-scale Simulations of Magnetically Arrested Accretion in Sagittarius A* Fed by Stellar Winds. Astrophysical Journal Letters, 2020, 896, L6.	8.3	59
45	Black widow evolution: magnetic braking by an ablated wind. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3656-3665.	4.4	22
46	Large-scale poloidal magnetic field dynamo leads to powerful jets in GRMHD simulations of black hole accretion with toroidal field. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3656-3662.	4.4	82
47	The maximum accretion rate of hot gas in dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2020, 492, 6042-6058.	4.4	42
48	Synthetic Gaia Surveys from the FIRE Cosmological Simulations of Milky Way-mass Galaxies. Astrophysical Journal, Supplement Series, 2020, 246, 6.	7.7	77
49	On the comparison of AGN with GRMHD simulations: I. Sgr A*. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1404-1418.	4.4	26
50	But what about...: cosmic rays, magnetic fields, conduction,Âand viscosity in galaxy formation. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3465-3498.	4.4	107
51	Not so fast: LB-1 is unlikely to contain a 70ÂMâŠ™ black hole. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 493, L22-L27.	3.3	57
52	Direct Detection of Black Hole-driven Turbulence in the Centers of Galaxy Clusters. Astrophysical Journal Letters, 2020, 889, L1.	8.3	48
53	Thermal instability of halo gas heated by streaming cosmic rays. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1801-1817.	4.4	29
54	Self-consistent proto-globular cluster formation in cosmological simulations of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4315-4332.	4.4	59

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55	The Structure of Radiatively Inefficient Black Hole Accretion Flows. Astrophysical Journal, 2020, 891, 63.	4.5	26
56	Black widow formation by pulsar irradiation and sustained magnetic braking. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1592-1603.	4.4	17
57	The Impact of Type Ia Supernovae in Quiescent Galaxies. II. Energetics and Turbulence. Astrophysical Journal, 2020, 898, 23.	4.5	20
58	The Zwicky Transient Facility Census of the Local Universe. I. Systematic Search for Calcium-rich Gap Transients Reveals Three Related Spectroscopic Subclasses. Astrophysical Journal, 2020, 905, 58.	4.5	57
59	Self-sustaining sound in collisionless, high-Î² plasma. Journal of Plasma Physics, 2020, 86, .	2.1	15
60	Tilted Disks around Black Holes: A Numerical Parameter Survey for Spin and Inclination Angle. Astrophysical Journal, 2019, 878, 51.	4.5	25
61	Hybrid-kinetic Simulations of Ion Heating in AlfvÃ©nic Turbulence. Astrophysical Journal, 2019, 879, 53.	4.5	66
62	Evolution of supernovae-driven superbubbles with conduction and cooling. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1961-1990.	4.4	49
63	The role of magnetic field geometry in the evolution of neutron star merger accretion discs. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4811-4825.	4.4	102
64	Be it therefore resolved: cosmological simulations of dwarf galaxies with 30 solar mass resolution. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4447-4463.	4.4	139
65	Cosmic ray feedback in the FIRE simulations: constraining cosmic ray propagation with GeV Î³-ray emission. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3716-3744.	4.4	106
66	On the dust temperatures of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1397-1422.	4.4	97
67	A predicted correlation between age gradient and star formation history in FIRE dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1186-1201.	4.4	20
68	Cooling flow solutions for the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2549-2572.	4.4	61
69	Multiphase gas in the circumgalactic medium: relative role of tcool/tff and density fluctuations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3195-3210.	4.4	34
70	Shearing-box simulations of MRI-driven turbulence in weakly collisional accretion discs. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4013-4029.	4.4	16
71	The Local Group on FIRE: dwarf galaxy populations across a suite of hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1380-1399.	4.4	137
72	A Resolution Study of Magnetically Arrested Disks. Astrophysical Journal, 2019, 874, 168.	4.5	29

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73	Dust attenuation, dust emission, and dust temperature in galaxies at z â‰¥ 5: a view from the FIRE-2 simulations. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1844-1864.	4.4	87
74	Black hole accretion discs and luminous transients in failed supernovae from non-rotating supergiants. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L83-L88.	3.3	66
75	Simulations of jet heating in galaxy clusters: successes and challenges. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2465-2486.	4.4	41
76	The maximum stellar surface density due to the failure of stellar feedback. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5548-5553.	4.4	12
77	Accretion of magnetized stellar winds in the Galactic centre: implications for Sgr A* and PSR J1745â˜2900. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 482, L123-L128.	3.3	11
78	Weak Shock Propagation with Accretion. II. Stability of Self-similar Solutions to Radial Perturbations. Astrophysical Journal, 2019, 874, 58.	4.5	12
79	Magneto-immutable turbulence in weakly collisional plasmas. Journal of Plasma Physics, 2019, 85, .	2.1	20
80	The Fate of Asymptotic Giant Branch Winds in Massive Galaxies and the Intracluster Medium. Astrophysical Journal, 2019, 887, 41.	4.5	14
81	The Progenitors of Calcium-strong Transients. Astrophysical Journal, 2019, 887, 180.	4.5	32
82	Low-frequency Variability in Massive Stars: Core Generation or Surface Phenomenon?. Astrophysical Journal Letters, 2019, 886, L15.	8.3	39
83	Gravitational interactions of stars with supermassive black hole binaries â€“ II. Hypervelocity stars. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2132-2148.	4.4	12
84	Long-term GRMHD simulations of neutron star merger accretion discs: implications for electromagnetic counterparts. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3373-3393.	4.4	207
85	The formation and hierarchical assembly of globular cluster populations. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4528-4552.	4.4	107
86	Weak Shock Propagation with Accretion. III. A Numerical Study on Shock Propagation and Stability. Astrophysical Journal, 2019, 878, 150.	4.5	7
87	Gravitational interactions of stars with supermassive black hole binaries â€“ I. Tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4009-4034.	4.4	15
88	When feedback fails: the scaling and saturation of star formation efficiency. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3511-3528.	4.4	120
89	On the deuterium abundance and the importance of stellar mass loss in the interstellar and intergalactic medium. Monthly Notices of the Royal Astronomical Society, 2018, 477, 80-92.	4.4	9
90	An Empirical Study of Contamination in Deep, Rapid, and Wide-field Optical Follow-up of Gravitational Wave Events. Astrophysical Journal, 2018, 858, 18.	4.5	10

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91	Mass ejection in failed supernovae: variation with stellar progenitor. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2366-2383.	4.4	76
92	PIC Simulations of Velocity-space Instabilities in a Decreasing Magnetic Field: Viscosity and Thermal Conduction. Astrophysical Journal, 2018, 854, 132.	4.5	15
93	Fast winds drive slow shells: a model for the circumgalactic medium as galactic wind-driven bubbles. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1873-1896.	4.4	36
94	Stellar feedback strongly alters the amplification and morphology of galactic magnetic fields. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 473, L111-L115.	3.3	23
95	Submillimetre flux as a probe of molecular ISM mass in high-z galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 478, L83-L88.	3.3	37
96	Two-temperature GRRMHD Simulations of M87. Astrophysical Journal, 2018, 864, 126.	4.5	63
97	A physical model of mass ejection in failed supernovae. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1225-1238.	4.4	27
98	Inefficient angular momentum transport in accretion disc boundary layers: angular momentum belt in the boundary layer. Monthly Notices of the Royal Astronomical Society, 2018, 479, 1528-1541.	4.4	7
99	Clustered supernovae drive powerful galactic winds after superbubble breakout. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3325-3347.	4.4	105
100	The origin of the diverse morphologies and kinematics of Milky Way-mass galaxies in the FIRE-2 simulations. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4133-4157.	4.4	91
101	Outbursts of luminous blue variable stars from variations in the helium opacity. Nature, 2018, 561, 498-501.	27.8	62
102	Jet Dynamics in Compact Object Mergers: GW170817 Likely Had a Successful Jet. Astrophysical Journal, 2018, 866, 3.	4.5	55
103	No assembly required: mergers are mostly irrelevant for the growth of low-mass dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 479, 319-331.	4.4	48
104	Simulating galaxies in the reionization era with FIRE-2: morphologies and sizes. Monthly Notices of the Royal Astronomical Society, 2018, 477, 219-229.	4.4	48
105	FIRE-2 simulations: physics versus numerics in galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 480, 800-863.	4.4	676
106	Gas kinematics, morphology and angular momentum in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1930-1955.	4.4	131
107	Modelling chemical abundance distributions for dwarf galaxies in the Local Group: the impact of turbulent metal diffusion. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2194-2211.	4.4	111
108	Discovery and characterization of 3000+ main-sequence binaries from APOGEE spectra. Monthly Notices of the Royal Astronomical Society, 2018, 476, 528-553.	4.4	82

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109	A Magnetar Origin for the Kilonova Ejecta in GW170817. Astrophysical Journal, 2018, 856, 101.	4.5	168
110	What FIREs up star formation: the emergence of the Kennicuttâ€“Schmidt law from feedback. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3653-3673.	4.4	91
111	Gas kinematics in FIRE simulated galaxies compared to spatially unresolved Hâ€‰i observations. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1536-1548.	4.4	37
112	Hydrodynamic simulations of the inner accretion flow of Sagittarius A* fuelled by stellar winds. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3544-3563.	4.4	60
113	How to model supernovae in simulations of star and galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1578-1603.	4.4	140
114	Where are the most ancient stars in the Milky Way?. Monthly Notices of the Royal Astronomical Society, 2018, 480, 652-668.	4.4	96
115	Predicting the binary black hole population of the Milky Way with cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2704-2718.	4.4	64
116	Stellar Binaries Incident on Supermassive Black Hole Binaries: Implications for Double Tidal Disruption Events, Calcium-rich Transients, and Hypervelocity Stars. Astrophysical Journal Letters, 2018, 863, L24.	8.3	12
117	Weak Shock Propagation with Accretion. I. Self-similar Solutions and Application to Failed Supernovae. Astrophysical Journal, 2018, 863, 158.	4.5	23
118	Simulating galaxies in the reionization era with FIRE-2: galaxy scaling relations, stellar mass functions, and luminosity functions. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1694-1715.	4.4	106
119	When the Jeans Do Not Fit: How Stellar Feedback Drives Stellar Kinematics and Complicates Dynamical Modeling in Low-mass Galaxies. Astrophysical Journal, 2017, 835, 193.	4.5	41
120	How important is non-ideal physics in simulations of sub-Eddington accretion on to spinning black holes?. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2240-2252.	4.4	38
121	Kinetic Simulations of the Interruption of Large-Amplitude Shear-AlfvÃ©n Waves in a High- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math> Plasma. Physical Review Letters, 2017, 119, 155101.	7.8	31
122	Origin of the heavy elements in binary neutron-star mergers from a gravitational-wave event. Nature, 2017, 551, 80-84.	27.8	814
123	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. Astrophysical Journal Letters, 2017, 848, L17.	8.3	656
124	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. Astrophysical Journal Letters, 2017, 848, L19.	8.3	390
125	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. Astrophysical Journal Letters, 2017, 848, L16.	8.3	392
126	The structure and dynamical evolution of the stellar disc of a simulated Milky Way-mass galaxy. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2430-2444.	4.4	125

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127	The cosmic baryon cycle and galaxy mass assembly in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4698-4719.	4.4	289
128	Not so lumpy after all: modelling the depletion of dark matter subhaloes by Milky Way-like galaxiesÂ. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1709-1727.	4.4	242
129	The Radiative Efficiency and Spectra of Slowly Accreting Black Holes from Two-temperature GRRMHD Simulations. Astrophysical Journal Letters, 2017, 844, L24.	8.3	56
130	An instability of feedback-regulated star formation in galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2301-2314.	4.4	42
131	Stochastic Electron Acceleration by the Whistler Instability in a Growing Magnetic Field. Astrophysical Journal, 2017, 850, 113.	4.5	8
132	Convection Destroys the Core/Mantle Structure in Hybrid C/O/Ne White Dwarfs. Astrophysical Journal Letters, 2017, 834, L9.	8.3	29
133	Amplitude limits and nonlinear damping of shear-AlfvÃ©n waves in high-beta low-collisionality plasmas. New Journal of Physics, 2017, 19, 055005.	2.9	19
134	Accretion-induced Collapse from Helium Star + White Dwarf Binaries. Astrophysical Journal, 2017, 843, 151.	4.5	32
135	The Effects of Magnetic Fields on the Dynamics of Radiation Pressureâ€“dominated Massive Star Envelopes. Astrophysical Journal, 2017, 843, 68.	4.5	15
136	A diagnostic for localizing red giant differential rotation. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 464, L16-L20.	3.3	18
137	Pressure-anisotropy-induced nonlinearities in the kinetic magnetorotational instability. Journal of Plasma Physics, 2017, 83, .	2.1	14
138	The statistical challenge of constraining the low-mass IMF in Local Group dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 468, 319-332.	4.4	26
139	Colours, star formation rates and environments of star-forming and quiescent galaxies at the cosmic noon. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1050-1072.	4.4	65
140	Metal flows of the circumgalactic medium, and the metal budget in galactic haloes. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4170-4188.	4.4	119
141	Fast and Luminous Transients from the Explosions of Long-lived Massive White Dwarf Merger Remnants. Astrophysical Journal, 2017, 850, 127.	4.5	13
142	Testing the Recovery of Intrinsic Galaxy Sizes and Masses of zÂâˆ¼Â2 Massive Galaxies Using Cosmological Simulations. Astrophysical Journal Letters, 2017, 844, L6.	8.3	25
143	How supernovae launch galactic winds?. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 470, L39-L43.	3.3	67
144	Super-Eddington stellar winds: unifying radiative-enthalpy versus flux-driven models. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3749-3760.	4.4	19

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145	Low-redshift Lyman limit systems as diagnostics of cosmological inflows and outflows. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2292-2304.	4.4	65
146	The impact of star formation feedback on the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3810-3826.	4.4	123
147	Black holes on FIRE: stellar feedback limits early feeding of galactic nuclei. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 472, L109-L114.	3.3	176
148	Entrainment in trouble: cool cloud acceleration and destruction in hot supernova-driven galactic winds. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4801-4814.	4.4	69
149	The disc-jet symbiosis emerges: modelling the emission of Sagittarius A* with electron thermodynamics. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3604-3619.	4.4	102
150	COLLISIONLESS ISOTROPIZATION OF THE SOLAR-WIND PROTONS BY COMPRESSIVE FLUCTUATIONS AND PLASMA INSTABILITIES. Astrophysical Journal, 2016, 831, 128.	4.5	53
151	Magnetorotational Turbulence and Dynamo in a Collisionless Plasma. Physical Review Letters, 2016, 117, 235101.	7.8	81
152	TURBULENT CHEMICAL DIFFUSION IN CONVECTIVELY BOUNDED CARBON FLAMES. Astrophysical Journal, 2016, 832, 71.	4.5	39
153	A DARK ENERGY CAMERA SEARCH FOR AN OPTICAL COUNTERPART TO THE FIRST ADVANCED LIGO GRAVITATIONAL WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 823, L33.	8.3	55
154	Supernova feedback in a local vertically stratified medium: interstellar turbulence and galactic winds. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2311-2326.	4.4	89
155	Binary stars can provide the â€˜missing photonsâ€™ needed for reionization. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3614-3619.	4.4	115
156	The impact of stellar feedback on hot gas in galaxy haloes: the Sunyaevâ€“Zel'dovich effect and soft X-ray emission. Monthly Notices of the Royal Astronomical Society, 2016, 463, 4533-4544.	4.4	47
157	A DECAM SEARCH FOR AN OPTICAL COUNTERPART TO THE LIGO GRAVITATIONAL-WAVE EVENT GW151226. Astrophysical Journal Letters, 2016, 826, L29.	8.3	38
158	RECONCILING DWARF GALAXIES WITH Î›CDM COSMOLOGY: SIMULATING A REALISTIC POPULATION OF SATELLITES AROUND A MILKY WAYâ€“MASS GALAXY. Astrophysical Journal Letters, 2016, 827, L23.	8.3	430
159	Strongly time-variable ultraviolet metal-line emission from the circum-galactic medium of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 463, 120-133.	4.4	15
160	The evolution and fate of super-Chandrasekhar mass white dwarf merger remnants. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3461-3475.	4.4	81
161	The FIELDS Instrument Suite for Solar Probe Plus. Space Science Reviews, 2016, 204, 49-82.	8.1	521
162	An origin for multiphase gas in galactic winds and haloes. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1830-1844.	4.4	160

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