

Eliot Quataert

List of Publications by Year in descending order

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277
papers

33,199
citations

2311

98
h-index

4203

174
g-index

280
all docs

280
docs citations

280
times ranked

13189
citing authors

#	ARTICLE	IF	CITATIONS
1	Galaxies on FIRE (Feedback In Realistic Environments): stellar feedback explains cosmologically inefficient star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 581-603.	1.6	1,068
2	Electromagnetic counterparts of compact object mergers powered by the radioactive decay of r-process nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 406, 2650-2662.	1.6	881
3	On the Maximum Luminosity of Galaxies and Their Central Black Holes: Feedback from Momentum-driven Winds. <i>Astrophysical Journal</i> , 2005, 618, 569-585.	1.6	860
4	Origin of the heavy elements in binary neutron-star mergers from a gravitational-wave event. <i>Nature</i> , 2017, 551, 80-84.	13.7	814
5	ASTROPHYSICAL GYROKINETICS: KINETIC AND FLUID TURBULENT CASCADES IN MAGNETIZED WEAKLY COLLISIONAL PLASMAS. <i>Astrophysical Journal, Supplement Series</i> , 2009, 182, 310-377.	3.0	697
6	FIRE-2 simulations: physics versus numerics in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 800-863.	1.6	676
7	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> , 2017, 848, L17.	3.0	656
8	Radiation Pressure-supported Starburst Disks and Active Galactic Nucleus Fueling. <i>Astrophysical Journal</i> , 2005, 630, 167-185.	1.6	616
9	Nonthermal Electrons in Radiatively Inefficient Accretion Flow Models of Sagittarius A*. <i>Astrophysical Journal</i> , 2003, 598, 301-312.	1.6	576
10	The FIELDS Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 49-82.	3.7	521
11	The protomagnetar model for gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 2031-2056.	1.6	493
12	Gusty, gaseous flows of FIRE: galactic winds in cosmological simulations with explicit stellar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 2691-2713.	1.6	478
13	A Possible Relativistic Jetted Outburst from a Massive Black Hole Fed by a Tidally Disrupted Star. <i>Science</i> , 2011, 333, 203-206.	6.0	448
14	RECONCILING DWARF GALAXIES WITH Λ CDM COSMOLOGY: SIMULATING A REALISTIC POPULATION OF SATELLITES AROUND A MILKY WAY-MASS GALAXY. <i>Astrophysical Journal Letters</i> , 2016, 827, L23.	3.0	430
15	Stellar feedback in galaxies and the origin of galaxy-scale winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 3522-3537.	1.6	425
16	How do massive black holes get their gas?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 1529-1564.	1.6	415
17	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> , 2017, 848, L16.	3.0	392
18	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> , 2017, 848, L19.	3.0	390

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19	Self-regulated star formation in galaxies via momentum input from massive stars. Monthly Notices of the Royal Astronomical Society, 2011, 417, 950-973.	1.6	389
20	The physics of galactic winds driven by active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2012, 425, 605-622.	1.6	375
21	THE DISRUPTION OF GIANT MOLECULAR CLOUDS BY RADIATION PRESSURE & THE EFFICIENCY OF STAR FORMATION IN GALAXIES. Astrophysical Journal, 2010, 709, 191-209.	1.6	373
22	Magnetic Fluctuation Power Near Proton Temperature Anisotropy Instability Thresholds in the Solar Wind. Physical Review Letters, 2009, 103, 211101.	2.9	371
23	Convection-dominated Accretion Flows. Astrophysical Journal, 2000, 539, 809-814.	1.6	347
24	Short-duration gamma-ray bursts with extended emission from protomagnetar spin-down. Monthly Notices of the Royal Astronomical Society, 2008, 385, 1455-1460.	1.6	310
25	The origin and evolution of the galaxy mass-metallicity relation. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2140-2156.	1.6	307
26	Magnetar Spin-Down, Hyperenergetic Supernovae, and Gamma-Ray Bursts. Astrophysical Journal, 2004, 611, 380-393.	1.6	296
27	Forged in fire: cusps, cores and baryons in low-mass dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2092-2106.	1.6	291
28	The cosmic baryon cycle and galaxy mass assembly in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4698-4719.	1.6	289
29	A model of turbulence in magnetized plasmas: Implications for the dissipation range in the solar wind. Journal of Geophysical Research, 2008, 113, .	3.3	281
30	The Distribution and Cosmic Evolution of Massive Black Hole Spins. Astrophysical Journal, 2005, 620, 69-77.	1.6	277
31	A faint type of supernova from a white dwarf with a helium-rich companion. Nature, 2010, 465, 322-325.	13.7	273
32	Wave-driven mass loss in the last year of stellar evolution: setting the stage for the most luminous core-collapse supernovae. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 423, L92-L96.	1.2	272
33	Thermal instability and the feedback regulation of hot haloes in clusters, groups and galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 420, 3174-3194.	1.6	271
34	Astrophysical Gyrokinetics: Basic Equations and Linear Theory. Astrophysical Journal, 2006, 651, 590-614.	1.6	265
35	Thermal instability in gravitationally stratified plasmas: implications for multiphase structure in clusters and galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2012, 419, 3319-3337.	1.6	265
36	The impact of baryonic physics on the structure of dark matter haloes: the view from the FIRE cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2981-3001.	1.6	260

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37	Kinetic Simulations of Magnetized Turbulence in Astrophysical Plasmas. <i>Physical Review Letters</i> , 2008, 100, 065004.	2.9	254
38	PERPENDICULAR ION HEATING BY LOW-FREQUENCY ALFVÉN-WAVE TURBULENCE IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2010, 720, 503-515.	1.6	248
39	The structure of the interstellar medium of star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 3488-3521.	1.6	248
40	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> , 2017, 471, 1709-1727.	1.6	242
41	Supernova feedback in an inhomogeneous interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 504-522.	1.6	216
42	Short gamma-ray bursts with extended emission from magnetar birth: jet formation and collimation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 1537-1545.	1.6	212
43	The diversity of transients from magnetar birth in core collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3311-3316.	1.6	209
44	Long-term GRMHD simulations of neutron star merger accretion discs: implications for electromagnetic counterparts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 3373-3393.	1.6	207
45	Gyrokinetic Simulations of Solar Wind Turbulence from Ion to Electron Scales. <i>Physical Review Letters</i> , 2011, 107, 035004.	2.9	205
46	An analytic model of angular momentum transport by gravitational torques: from galaxies to massive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 1027-1050.	1.6	199
47	Particle Heating by Alfvénic Turbulence in Hot Accretion Flows. <i>Astrophysical Journal</i> , 1998, 500, 978-991.	1.6	183
48	Red mergers and the assembly of massive elliptical galaxies: the fundamental plane and its projections. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 1081-1089.	1.6	180
49	THE PHYSICS OF THE FAR-INFRARED-RADIO CORRELATION. I. CALORIMETRY, CONSPIRACY, AND IMPLICATIONS. <i>Astrophysical Journal</i> , 2010, 717, 1-28.	1.6	179
50	Turbulence and Particle Heating in Advection-dominated Accretion Flows. <i>Astrophysical Journal</i> , 1999, 520, 248-255.	1.6	177
51	Black holes on FIRE: stellar feedback limits early feeding of galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 472, L109-L114.	1.2	176
52	THE LONG-TERM EVOLUTION OF DOUBLE WHITE DWARF MERGERS. <i>Astrophysical Journal</i> , 2012, 748, 35.	1.6	174
53	Magnetized gas clouds can survive acceleration by a hot wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 2-7.	1.6	174
54	Electron Heating in Hot Accretion Flows. <i>Astrophysical Journal</i> , 2007, 667, 714-723.	1.6	170

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55	A Magnetar Origin for the Kilonova Ejecta in GW170817. <i>Astrophysical Journal</i> , 2018, 856, 101.	1.6	168
56	Shearing Box Simulations of the MRI in a Collisionless Plasma. <i>Astrophysical Journal</i> , 2006, 637, 952-967.	1.6	163
57	An origin for multiphase gas in galactic winds and haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1830-1844.	1.6	160
58	Feedback-regulated star formation in molecular clouds and galactic discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 1970-1990.	1.6	152
59	Ion heating resulting from pickup in magnetic reconnection exhausts. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	151
60	On the Nature of the Variable Infrared Emission from Sagittarius A*. <i>Astrophysical Journal</i> , 2004, 606, 894-899.	1.6	148
61	Magnetized relativistic jets and long-duration GRBs from magnetar spin-down during core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 396, 2038-2050.	1.6	148
62	Galactic r-process enrichment by neutron star mergers in cosmological simulations of a Milky Way-mass galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 140-148.	1.6	148
63	ON THE GeV AND TeV DETECTIONS OF THE STARBURST GALAXIES M82 AND NGC 253. <i>Astrophysical Journal</i> , 2011, 734, 107.	1.6	147
64	Buoyancy Instabilities in Weakly Magnetized Low- β Collisionality Plasmas. <i>Astrophysical Journal</i> , 2008, 673, 758-762.	1.6	146
65	Stellar and quasar feedback in concert: effects on AGN accretion, obscuration, and outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 816-831.	1.6	143
66	Constraining the Accretion Rate onto Sagittarius A* Using Linear Polarization. <i>Astrophysical Journal</i> , 2000, 545, 842-846.	1.6	142
67	How to model supernovae in simulations of star and galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 1578-1603.	1.6	140
68	Neutral hydrogen in galaxy haloes at the peak of the cosmic star formation history. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 987-1003.	1.6	139
69	Be it therefore resolved: cosmological simulations of dwarf galaxies with 30 solar mass resolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4447-4463.	1.6	139
70	The Local Group on FIRE: dwarf galaxy populations across a suite of hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1380-1399.	1.6	137
71	The Starburst Contribution to the Extragalactic γ -Ray Background. <i>Astrophysical Journal</i> , 2007, 654, 219-225.	1.6	135
72	Dynamics of dusty radiation-pressure-driven shells and clouds: fast outflows from galaxies, star clusters, massive stars, and AGN. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 147-161.	1.6	132

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73	Proto-Neutron Star Winds with Magnetic Fields and Rotation. <i>Astrophysical Journal</i> , 2007, 659, 561-579.	1.6	131
74	Gas kinematics, morphology and angular momentum in the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1930-1955.	1.6	131
75	The difficulty of getting high escape fractions of ionizing photons from high-redshift galaxies: a view from the FIRE cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 960-975.	1.6	126
76	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> , 2017, 467, 2430-2444.	1.6	125
77	The impact of star formation feedback on the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3810-3826.	1.6	123
78	When feedback fails: the scaling and saturation of star formation efficiency. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 3511-3528.	1.6	120
79	Stellar feedback and bulge formation in clumpy discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 968-978.	1.6	119
80	Metal flows of the circumgalactic medium, and the metal budget in galactic haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4170-4188.	1.6	119
81	Relativistic magnetohydrodynamics winds from rotating neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 368, 1717-1734.	1.6	118
82	A Dynamical Model for Hot Gas in the Galactic Center. <i>Astrophysical Journal</i> , 2004, 613, 322-325.	1.6	117
83	Electron thermodynamics in GRMHD simulations of low-luminosity black hole accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1848-1870.	1.6	117
84	Time-dependent models of accretion discs formed from compact object mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, , .	1.6	115
85	Outflows from accretion discs formed in neutron star mergers: effect of black hole spin. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 750-758.	1.6	115
86	Binary stars can provide the "missing photons" needed for reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3614-3619.	1.6	115
87	The nuclear stellar disc in Andromeda: a fossil from the era of black hole growth. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 405, L41-L45.	1.2	111
88	NONLINEAR TIDES IN CLOSE BINARY SYSTEMS. <i>Astrophysical Journal</i> , 2012, 751, 136.	1.6	111
89	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> , 2018, 474, 2194-2211.	1.6	111
90	LOCAL RADIATION HYDRODYNAMIC SIMULATIONS OF MASSIVE STAR ENVELOPES AT THE IRON OPACITY PEAK. <i>Astrophysical Journal</i> , 2015, 813, 74.	1.6	108

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91	The formation and hierarchical assembly of globular cluster populations. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4528-4552.	1.6	107
92	But what about...: cosmic rays, magnetic fields, conduction, and viscosity in galaxy formation. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3465-3498.	1.6	107
93	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.	1.6	106
94	Cosmic ray feedback in the FIRE simulations: constraining cosmic ray propagation with GeV γ -ray emission. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3716-3744.	1.6	106
95	Relativistic jets and long-duration gamma-ray bursts from the birth of magnetars. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 383, L25-L29.	1.2	105
96	THERMAL INSTABILITY WITH ANISOTROPIC THERMAL CONDUCTION AND ADIABATIC COSMIC RAYS: IMPLICATIONS FOR COLD FILAMENTS IN GALAXY CLUSTERS. Astrophysical Journal, 2010, 720, 652-665.	1.6	105
97	Clustered supernovae drive powerful galactic winds after superbubble breakout. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3325-3347.	1.6	105
98	Tidal asteroseismology: Kepler's KOI-54. Monthly Notices of the Royal Astronomical Society, 2012, 421, 983-1006.	1.6	104
99	Galaxy-scale outflows driven by active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2221-2231.	1.6	102
100	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.	1.6	102
101	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.	1.6	102
102	Properties of the circumgalactic medium in cosmic ray-dominated galaxy haloes. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4221-4238.	1.6	99
103	Neutron-rich freeze-out in viscously spreading accretion discs formed from compact object mergers. Monthly Notices of the Royal Astronomical Society, 2009, 396, 304-314.	1.6	97
104	On the dust temperatures of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1397-1422.	1.6	97
105	A physical model of FeLoBALS: implications for quasar feedback. Monthly Notices of the Royal Astronomical Society, 2012, 420, 1347-1354.	1.6	96
106	Observational signatures of galactic winds powered by active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3612-3622.	1.6	96
107	Where are the most ancient stars in the Milky Way?. Monthly Notices of the Royal Astronomical Society, 2018, 480, 652-668.	1.6	96
108	Magnetar-driven bubbles and the origin of collimated outflows in gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2007, 380, 1541-1553.	1.6	93

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109	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> , 2018, 481, 4133-4157.	1.6	91
110	What FIREs up star formation: the emergence of the Kennicutt-Schmidt law from feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 3653-3673.	1.6	91
111	Supernova feedback in a local vertically stratified medium: interstellar turbulence and galactic winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 2311-2326.	1.6	89
112	A stellar feedback origin for neutral hydrogen in high-redshift quasar-mass haloes. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 461, L32-L36.	1.2	89
113	On the Conditions for Neutron-rich Gamma-Ray Burst Outflows. <i>Astrophysical Journal</i> , 2008, 676, 1130-1150.	1.6	88
114	A maximum stellar surface density in dense stellar systems. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 401, L19-L23.	1.2	88
115	Internal gravity wave excitation by turbulent convection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 2363-2376.	1.6	87
116	Dust attenuation, dust emission, and dust temperature in galaxies at $z \approx 5$: a view from the FIRE-2 simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1844-1864.	1.6	87
117	Are Particles in Advection-dominated Accretion Flows Thermal?. <i>Astrophysical Journal</i> , 1997, 490, 605-618.	1.6	86
118	Thermal runaway during the evolution of ONeMg cores towards accretion-induced collapse. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1910-1927.	1.6	84
119	The viscous evolution of white dwarf merger remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 190-203.	1.6	82
120	Discovery and characterization of 3000+ main-sequence binaries from APOGEE spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 528-553.	1.6	82
121	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> , 2020, 494, 3656-3662.	1.6	82
122	ELECTRON HEAT CONDUCTION IN THE SOLAR WIND: TRANSITION FROM SPITZER-HÄRM TO THE COLLISIONLESS LIMIT. <i>Astrophysical Journal Letters</i> , 2013, 769, L22.	3.0	81
123	Magnetorotational Turbulence and Dynamo in a Collisionless Plasma. <i>Physical Review Letters</i> , 2016, 117, 235101.	2.9	81
124	The evolution and fate of super-Chandrasekhar mass white dwarf merger remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 3461-3475.	1.6	81
125	The effects of $\langle i \rangle r / i \rangle$ -process heating on fallback accretion in compact object mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 2771-2777.	1.6	78
126	The formation of massive, quiescent galaxies at cosmic noon. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 458, L14-L18.	1.2	78

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127	Synthetic Gaia Surveys from the FIRE Cosmological Simulations of Milky Way-mass Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 6.	3.0	77
128	PARTICLE-IN-CELL SIMULATIONS OF CONTINUOUSLY DRIVEN MIRROR AND ION CYCLOTRON INSTABILITIES IN HIGH BETA ASTROPHYSICAL AND HELIOSPHERIC PLASMAS. <i>Astrophysical Journal</i> , 2015, 800, 27.	1.6	76
129	Mass ejection in failed supernovae: variation with stellar progenitor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2366-2383.	1.6	76
130	No missing photons for reionization: moderate ionizing photon escape fractions from the FIRE-2 simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2001-2017.	1.6	75
131	Radiatively Inefficient Accretion Flow Models of Sgr A*. <i>Astronomische Nachrichten</i> , 2003, 324, 435-443.	0.6	69
132	Nickel-rich outflows from accretion discs formed by the accretion-induced collapse of white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 396, 1659-1664.	1.6	69
133	Entrainment in trouble: cool cloud acceleration and destruction in hot supernova-driven galactic winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4801-4814.	1.6	69
134	LOCAL TWO-DIMENSIONAL PARTICLE-IN-CELL SIMULATIONS OF THE COLLISIONLESS MAGNETOROTATIONAL INSTABILITY. <i>Astrophysical Journal</i> , 2012, 755, 50.	1.6	67
135	Swift 1644+57: the longest gamma-ray burst?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 419, L1-L5.	1.2	67
136	How supernovae launch galactic winds?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 470, L39-L43.	1.2	67
137	Hybrid-kinetic Simulations of Ion Heating in Alfvénic Turbulence. <i>Astrophysical Journal</i> , 2019, 879, 53.	1.6	66
138	Black hole accretion discs and luminous transients in failed supernovae from non-rotating supergiants. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 485, L83-L88.	1.2	66
139	Virialization of the Inner CGM in the FIRE Simulations and Implications for Galaxy Disks, Star Formation, and Feedback. <i>Astrophysical Journal</i> , 2021, 911, 88.	1.6	66
140	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> , 2017, 470, 1050-1072.	1.6	65
141	Low-redshift Lyman limit systems as diagnostics of cosmological inflows and outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 2292-2304.	1.6	65
142	Predicting the binary black hole population of the Milky Way with cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2704-2718.	1.6	64
143	Testing physical models for cosmic ray transport coefficients on galactic scales: self-confinement and extrinsic turbulence at $\sim 1/4$ GeV energies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4184-4213.	1.6	64
144	Two-temperature GRRMHD Simulations of M87. <i>Astrophysical Journal</i> , 2018, 864, 126.	1.6	63

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145	Nickel-rich outflows produced by the accretion-induced collapse of white dwarfs: light curves and spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 846-854.	1.6	62
146	Outbursts of luminous blue variable stars from variations in the helium opacity. <i>Nature</i> , 2018, 561, 498-501.	13.7	62
147	BUOYANCY INSTABILITIES IN GALAXY CLUSTERS: CONVECTION DUE TO ADIABATIC COSMIC RAYS AND ANISOTROPIC THERMAL CONDUCTION. <i>Astrophysical Journal</i> , 2009, 699, 348-361.	1.6	61
148	Cooling flow solutions for the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2549-2572.	1.6	61
149	Hydrodynamic simulations of the inner accretion flow of Sagittarius A* fuelled by stellar winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 3544-3563.	1.6	60
150	Ab Initio Horizon-scale Simulations of Magnetically Arrested Accretion in Sagittarius A* Fed by Stellar Winds. <i>Astrophysical Journal Letters</i> , 2020, 896, L6.	3.0	59
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