

Eliot Quataert

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270
papers

25,456
citations

86
h-index

154
g-index

280
ext. papers

29,276
ext. citations

5.2
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7.56
L-index

#	Paper	IF	Citations
270	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	4.3	872
269	On the Maximum Luminosity of Galaxies and Their Central Black Holes: Feedback from Momentum-driven Winds. <i>Astrophysical Journal</i> , 2005 , 618, 569-585	4.7	765
268	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	4.3	687
267	ASTROPHYSICAL GYROKINETICS: KINETIC AND FLUID TURBULENT CASCADES IN MAGNETIZED WEAKLY COLLISIONAL PLASMAS. <i>Astrophysical Journal, Supplement Series</i> , 2009 , 182, 310-377	8	575
266	Nonthermal Electrons in Radiatively Inefficient Accretion Flow Models of Sagittarius A*. <i>Astrophysical Journal</i> , 2003 , 598, 301-312	4.7	530
265	Radiation Pressure-Supported Starburst Disks and Active Galactic Nucleus Fueling. <i>Astrophysical Journal</i> , 2005 , 630, 167-185	4.7	520
264	Origin of the heavy elements in binary neutron-star mergers from a gravitational-wave event. <i>Nature</i> , 2017 , 551, 80-84	50.4	513
263	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	7.9	468
262	FIRE-2 simulations: physics versus numerics in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 800-863	4.3	413
261	The protomagnetar model for gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 413, 2031-2056	4.3	401
260	A possible relativistic jetted outburst from a massive black hole fed by a tidally disrupted star. <i>Science</i> , 2011 , 333, 203-6	33.3	380
259	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	4.3	370
258	Stellar feedback in galaxies and the origin of galaxy-scale winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 421, 3522-3537	4.3	362
257	How do massive black holes get their gas?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 407, 1529-1564	4.3	352
256	Self-regulated star formation in galaxies via momentum input from massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 417, 950-973	4.3	348
255	THE DISRUPTION OF GIANT MOLECULAR CLOUDS BY RADIATION PRESSURE & THE EFFICIENCY OF STAR FORMATION IN GALAXIES. <i>Astrophysical Journal</i> , 2010 , 709, 191-209	4.7	341
254	Convection-dominated Accretion Flows. <i>Astrophysical Journal</i> , 2000 , 539, 809-814	4.7	327

253	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	7.9	323
252	Magnetic fluctuation power near proton temperature anisotropy instability thresholds in the solar wind. <i>Physical Review Letters</i> , 2009 , 103, 211101	7.4	316
251	The physics of galactic winds driven by active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 425, 605-622	4.3	312
250	The FIELDS Instrument Suite for Solar Probe Plus: Measuring the Coronal Plasma and Magnetic Field, Plasma Waves and Turbulence, and Radio Signatures of Solar Transients. <i>Space Science Reviews</i> , 2016 , 204, 49-82	7.5	303
249	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	7.9	295
248	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	7.9	274
247	Magnetar Spin-Down, Hyperenergetic Supernovae, and Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2004 , 611, 380-393	4.7	260
246	Short-duration gamma-ray bursts with extended emission from protomagnetar spin-down. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 385, 1455-1460	4.3	254
245	A model of turbulence in magnetized plasmas: Implications for the dissipation range in the solar wind. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		251
244	Forged in fire: cusps, cores and baryons in low-mass dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 2092-2106	4.3	249
243	The Distribution and Cosmic Evolution of Massive Black Hole Spins. <i>Astrophysical Journal</i> , 2005 , 620, 69-77	4.7	249
242	A faint type of supernova from a white dwarf with a helium-rich companion. <i>Nature</i> , 2010 , 465, 322-5	50.4	240
241	Astrophysical Gyrokinetics: Basic Equations and Linear Theory. <i>Astrophysical Journal</i> , 2006 , 651, 590-614	4.7	233
240	Kinetic simulations of magnetized turbulence in astrophysical plasmas. <i>Physical Review Letters</i> , 2008 , 100, 065004	7.4	223
239	Wave-driven mass loss in the last year of stellar evolution: setting the stage for the most luminous core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012 , 423, L92-L96	4.3	220
238	The origin and evolution of the galaxy mass-metallicity relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 456, 2140-2156	4.3	219
237	The structure of the interstellar medium of star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 421, 3488-3521	4.3	219
236	Thermal instability and the feedback regulation of hot haloes in clusters, groups and galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 420, 3174-3194	4.3	215

235	Thermal instability in gravitationally stratified plasmas: implications for multiphase structure in clusters and galaxy haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 419, 3319-3337	4-3	213
234	The impact of baryonic physics on the structure of dark matter haloes: the view from the FIRE cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 2981-3001	4-3	212
233	PERPENDICULAR ION HEATING BY LOW-FREQUENCY ALFVÉN-WAVE TURBULENCE IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2010 , 720, 503-515	4-7	205
232	The cosmic baryon cycle and galaxy mass assembly in the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 470, 4698-4719	4-3	188
231	The diversity of transients from magnetar birth in core collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 3311-3316	4-3	179
230	Gyrokinetic simulations of solar wind turbulence from ion to electron scales. <i>Physical Review Letters</i> , 2011 , 107, 035004	7-4	177
229	Supernova feedback in an inhomogeneous interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 504-522	4-3	174
228	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	4-3	173
227	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	4-3	169
226	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	4-3	166
225	Particle Heating by Alfvénic Turbulence in Hot Accretion Flows. <i>Astrophysical Journal</i> , 1998 , 500, 978-991	4-7	166
224	Turbulence and Particle Heating in Advection-dominated Accretion Flows. <i>Astrophysical Journal</i> , 1999 , 520, 248-255	4-7	159
223	THE LONG-TERM EVOLUTION OF DOUBLE WHITE DWARF MERGERS. <i>Astrophysical Journal</i> , 2012 , 748, 35	4-7	151
222	Shearing Box Simulations of the MRI in a Collisionless Plasma. <i>Astrophysical Journal</i> , 2006 , 637, 952-967	4-7	149
221	Magnetized gas clouds can survive acceleration by a hot wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 449, 2-7	4-3	147
220	THE PHYSICS OF THE FAR-INFRARED-RADIO CORRELATION. I. CALORIMETRY, CONSPIRACY, AND IMPLICATIONS. <i>Astrophysical Journal</i> , 2010 , 717, 1-28	4-7	147
219	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	4-3	146
218	Electron Heating in Hot Accretion Flows. <i>Astrophysical Journal</i> , 2007 , 667, 714-723	4-7	146

217	On the Nature of the Variable Infrared Emission from Sagittarius A*. <i>Astrophysical Journal</i> , 2004 , 606, 894-899	4.7	144
216	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	4.3	137
215	Ion heating resulting from pickup in magnetic reconnection exhausts. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		135
214	An origin for multiphase gas in galactic winds and haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 455, 1830-1844	4.3	134
213	Buoyancy Instabilities in Weakly Magnetized Low-Collisionality Plasmas. <i>Astrophysical Journal</i> , 2008 , 673, 758-762	4.7	132
212	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	4.3	131
211	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	4.3	130
210	Constraining the Accretion Rate onto Sagittarius A* Using Linear Polarization. <i>Astrophysical Journal</i> , 2000 , 545, 842-846	4.7	129
209	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	4.3	127
208	Feedback-regulated star formation in molecular clouds and galactic discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 433, 1970-1990	4.3	126
207	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	4.3	120
206	ON THE GeV AND TeV DETECTIONS OF THE STARBURST GALAXIES M82 AND NGC 253. <i>Astrophysical Journal</i> , 2011 , 734, 107	4.7	120
205	The Starburst Contribution to the Extragalactic E-Ray Background. <i>Astrophysical Journal</i> , 2007 , 654, 219-225	4.7	118
204	Proto-Neutron Star Winds with Magnetic Fields and Rotation. <i>Astrophysical Journal</i> , 2007 , 659, 561-579	4.7	116
203	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	4.3	109
202	Relativistic magnetohydrodynamics winds from rotating neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 368, 1717-1734	4.3	107
201	A Magnetar Origin for the Kilonova Ejecta in GW170817. <i>Astrophysical Journal</i> , 2018 , 856, 101	4.7	107
200	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	4.3	106

199	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	4-3	104
198	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	4-3	101
197	A Dynamical Model for Hot Gas in the Galactic Center. <i>Astrophysical Journal</i> , 2004 , 613, 322-325	4-7	101
196	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	4-3	100
195	Stellar feedback and bulge formation in clumpy discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 427, 968-978	4-3	98
194	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	4-3	94
193	Relativistic jets and long-duration gamma-ray bursts from the birth of magnetars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008 , 383, L25-L29	4-3	94
192	Gas kinematics, morphology and angular momentum in the FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 1930-1955	4-3	94
191	Electron thermodynamics in GRMHD simulations of low-luminosity black hole accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 1848-1870	4-3	93
190	Galaxy-scale outflows driven by active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 420, 2221-2231	4-3	91
189	Binary stars can provide the missing photons needed for reionization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 459, 3614-3619	4-3	90
188	The impact of star formation feedback on the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 466, 3810-3826	4-3	89
187	How to model supernovae in simulations of star and galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 1578-1603	4-3	88
186	THERMAL INSTABILITY WITH ANISOTROPIC THERMAL CONDUCTION AND ADIABATIC COSMIC RAYS: IMPLICATIONS FOR COLD FILAMENTS IN GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2010 , 720, 652-665	4-7	88
185	NONLINEAR TIDES IN CLOSE BINARY SYSTEMS. <i>Astrophysical Journal</i> , 2012 , 751, 136	4-7	86
184	A physical model of FeLoBALs: implications for quasar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 420, 1347-1354	4-3	85
183	Neutron-rich freeze-out in viscously spreading accretion discs formed from compact object mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 396, 304-314	4-3	84
182	Time-dependent models of accretion discs formed from compact object mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 ,	4-3	84

181	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	4.3	83
180	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	4.3	83
179	LOCAL RADIATION HYDRODYNAMIC SIMULATIONS OF MASSIVE STAR ENVELOPES AT THE IRON OPACITY PEAK. <i>Astrophysical Journal</i> , 2015 , 813, 74	4.7	82
178	When feedback fails: the scaling and saturation of star formation efficiency. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 3511-3528	4.3	80
177	Magnetar-driven bubbles and the origin of collimated outflows in gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 380, 1541-1553	4.3	80
176	Tidal asteroseismology: Kepler KOI-54. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 421, 983-1006	4.3	79
175	The disc-jet symbiosis emerges: modelling the emission of Sagittarius A* with electron thermodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 467, 3604-3619	4.3	79
174	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	4.3	75
173	The viscous evolution of white dwarf merger remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 427, 190-203	4.3	75
172	Observational signatures of galactic winds powered by active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 447, 3612-3622	4.3	74
171	Are Particles in Advection-dominated Accretion Flows Thermal?. <i>Astrophysical Journal</i> , 1997 , 490, 605-614	4.7	74
170	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	4.3	72
169	A maximum stellar surface density in dense stellar systems. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010 , 401, L19-L23	4.3	72
168	On the Conditions for Neutron-rich Gamma-Ray Burst Outflows. <i>Astrophysical Journal</i> , 2008 , 676, 1130-1150	4.5	72
167	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	4.3	72
166	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	4.3	71
165	The effects of r-process heating on fallback accretion in compact object mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 402, 2771-2777	4.3	69
164	The formation and hierarchical assembly of globular cluster populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 4528-4552	4.3	69

163	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> , 2018 , 478, 1694-1715	4.3	68
162	Clustered supernovae drive powerful galactic winds after superbubble breakout. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 3325-3347	4.3	66
161	Internal gravity wave excitation by turbulent convection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 430, 2363-2376	4.3	65
160	Radiatively Inefficient Accretion Flow Models of Sgr A*. <i>Astronomische Nachrichten</i> , 2003 , 324, 435-443	0.7	65
159	Where are the most ancient stars in the Milky Way?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 652-668	4.3	63
158	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	4.3	63
157	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	4.3	63
156	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	4.3	62
155	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	4.3	62
154	The formation of massive, quiescent galaxies at cosmic noon. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016 , 458, L14-L18	4.3	61
153	On the dust temperatures of high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 1397-1422	4.3	61
152	LOCAL TWO-DIMENSIONAL PARTICLE-IN-CELL SIMULATIONS OF THE COLLISIONLESS MAGNETOROTATIONAL INSTABILITY. <i>Astrophysical Journal</i> , 2012 , 755, 50	4.7	61
151	Magnetorotational Turbulence and Dynamo in a Collisionless Plasma. <i>Physical Review Letters</i> , 2016 , 117, 235101	7.4	59
150	Cosmic ray feedback in the FIRE simulations: constraining cosmic ray propagation with GeV γ -ray emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 3716-3744	4.3	58
149	Swift 1644+57: the longest gamma-ray burst?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012 , 419, L1-L5	4.3	58
148	ELECTRON HEAT CONDUCTION IN THE SOLAR WIND: TRANSITION FROM SPITZER-H ν M TO THE COLLISIONLESS LIMIT. <i>Astrophysical Journal Letters</i> , 2013 , 769, L22	7.9	58
147	Mass ejection in failed supernovae: variation with stellar progenitor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 476, 2366-2383	4.3	56
146	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	4.3	56

145	BUOYANCY INSTABILITIES IN GALAXY CLUSTERS: CONVECTION DUE TO ADIABATIC COSMIC RAYS AND ANISOTROPIC THERMAL CONDUCTION. <i>Astrophysical Journal</i> , 2009 , 699, 348-361	4.7	55
144	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	4.7	54
143	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> , 2019 , 487, 1844-1864	4.3	53
142	A DARK ENERGY CAMERA SEARCH FOR AN OPTICAL COUNTERPART TO THE FIRST ADVANCED LIGO GRAVITATIONAL WAVE EVENT GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 823, L33	7.9	53
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	4.3	52
140	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	4.3	51
139	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	4.3	51
138	Discovery and characterization of 3000+ main-sequence binaries from APOGEE spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 476, 528-553	4.3	51
137	The role of magnetic field geometry in the evolution of neutron star merger accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 4811-4825	4.3	50
136	The observational signatures of convectively excited gravity modes in main-sequence stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 430, 1736-1745	4.3	49
135	On the structure of hot gas in haloes: implications for the $L_{\text{X}}-M$ relation and missing baryons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 427, 1219-1228	4.3	48
134	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	4.3	47
133	But what about...: cosmic rays, magnetic fields, conduction, and viscosity in galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 492, 3465-3498	4.3	47
132	How supernovae launch galactic winds?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017 , 470, L39-L43	4.3	47
131	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	4.3	45
130	Properties of the circumgalactic medium in cosmic ray-dominated galaxy haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 4221-4238	4.3	45
129	The Radiative Efficiency and Spectra of Slowly Accreting Black Holes from Two-temperature GRMHD Simulations. <i>Astrophysical Journal Letters</i> , 2017 , 844, L24	7.9	44
128	ACCELERATION OF RELATIVISTIC ELECTRONS BY MAGNETOHYDRODYNAMIC TURBULENCE: IMPLICATIONS FOR NON-THERMAL EMISSION FROM BLACK HOLE ACCRETION DISKS. <i>Astrophysical Journal</i> , 2014 , 791, 71	4.7	44

127	Two-temperature GRRMHD Simulations of M87. <i>Astrophysical Journal</i> , 2018 , 864, 126	4.7	44
126	Synthetic Gaia Surveys from the FIRE Cosmological Simulations of Milky Way-mass Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 6	8	43
125	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	4.3	42
124	The Cooling Flow to Accretion Flow Transition. <i>Astrophysical Journal</i> , 2000 , 528, 236-242	4.7	42
123	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> , 2020 , 493, L22-L27	4.3	41
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