Naoki Yoshida

List of Publications by Year
in descending order

229 papers	22,605 citations	16451 64 h-index	8167 148 g-index
232 all docs	232 docs citations	232 times ranked	9033 citing authors

#	Article	IF	Citations
1	Simulations of the formation, evolution and clustering of galaxies and quasars. Nature, 2005, 435, 629-636.	27.8	3,801
2	The many lives of active galactic nuclei: cooling flows, black holes and the luminosities and colours of galaxies. Monthly Notices of the Royal Astronomical Society, 2006, 365, 11-28.	4.4	2,994
3	GADGET: a code for collisionless and gasdynamical cosmological simulations. New Astronomy, 2001, 6, 79-117.	1.8	1,337
4	The mass function of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2001, 321, 372-384.	4.4	1,335
5	A Merger-driven Scenario for Cosmological Disk Galaxy Formation. Astrophysical Journal, 2006, 645, 986-1000.	4.5	443
6	Simulations of Early Structure Formation: Primordial Gas Clouds. Astrophysical Journal, 2003, 592, 645-663.	4.5	441
7	*ONE HUNDRED FIRST STARS*: PROTOSTELLAR EVOLUTION AND THE FINAL MASSES. Astrophysical Journal, 2014, 781, 60.	4.5	415
8	Formation of Primordial Stars in a ΛCDM Universe. Astrophysical Journal, 2006, 652, 6-25.	4.5	384
9	The First Galaxies. Annual Review of Astronomy and Astrophysics, 2011, 49, 373-407.	24.3	361
10	Protostellar Feedback Halts the Growth of the First Stars in the Universe. Science, 2011, 334, 1250-1253.	12.6	315
11	Galaxy Clusters in Hubble Volume Simulations: Cosmological Constraints from Sky Survey Populations. Astrophysical Journal, 2002, 573, 7-36.	4.5	305
12	Protostar Formation in the Early Universe. Science, 2008, 321, 669-671.	12.6	301
13	The formation of the first stars and galaxies. Nature, 2009, 459, 49-54.	27.8	275
14	Formation and evolution of primordial protostellar systems. Monthly Notices of the Royal Astronomical Society, 2012, 424, 399-415.	4.4	271
15	The onset of star formation 250 million years after the Big Bang. Nature, 2018, 557, 392-395.	27.8	261
16	Formation of *z* ~46 Quasars from Hierarchical Galaxy Mergers. Astrophysical Journal, 2007, 665, 187-208.	4.5	253
17	Substructures in cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2004, 348, 333-344.	4.4	251
18	Primordial star formation under the influence of far ultraviolet radiation: 1540 cosmological haloes and the stellar mass distribution. Monthly Notices of the Royal Astronomical Society, 2015, 448, 568-587.	4.4	226

#	ARTICLE	IF	CITATIONS
19	The Structure and Evolution of Early Cosmological HiiRegions. Astrophysical Journal, 2004, 613, 631-645.	4.5	220
20	Weakly Self-interacting Dark Matter and the Structure of Dark Halos. Astrophysical Journal, 2000, 544, L87-L90.	4.5	210
21	Disk Galaxy Formation in a Î› Cold Dark Matter Universe. Astrophysical Journal, 2004, 606, 32-45.	4.5	205
22	FORMATION OF PRIMORDIAL SUPERMASSIVE STARS BY RAPID MASS ACCRETION. Astrophysical Journal, 2013, 778, 178.	4.5	201
23	Early Cosmological H<scp>ii</scp>/He<scp>iii</scp>Regions and Their Impact on Secondâ€Generation Star Formation. Astrophysical Journal, 2007, 663, 687-707.	4.5	173
24	Detection of an oxygen emission line from a high-redshift galaxy in the reionization epoch. Science, 2016, 352, 1559-1562.	12.6	173
25	The Subaru FMOS galaxy redshift survey (FastSound). IV. New constraint on gravity theory from redshift space distortions at <i>z</i> â¼ 1.4. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	171
26	SIMULATIONS OF WIDE-FIELD WEAK LENSING SURVEYS. I. BASIC STATISTICS AND NON-GAUSSIAN EFFECTS. Astrophysical Journal, 2009, 701, 945-954.	4.5	170
27	FORMATION OF MASSIVE PRIMORDIAL STARS: INTERMITTENT UV FEEDBACK WITH EPISODIC MASS ACCRETION. Astrophysical Journal, 2016, 824, 119.	4.5	169
28	Dark matter annihilation in the halo of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2003, 345, 1313-1322.	4.4	167
29	The First Supernova Explosions in the Universe. Astrophysical Journal, 2003, 596, L135-L138.	4.5	159
30	Detection of the Far-infrared [O iii] and Dust Emission in a Galaxy at Redshift 8.312: Early Metal Enrichment in the Heart of the Reionization Era. Astrophysical Journal, 2019, 874, 27.	4.5	144
31	Shape and position of the shadow in the Î´ = 2 Tomimatsuâ€"Sato spacetime. Classical and Quantum Gravity, 2010, 27, 205006.	4.0	141
32	Light-curve modelling of superluminous supernova 2006gy: collision between supernova ejecta and a dense circumstellar medium. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1020-1035.	4.4	140
33	Cosmic reionization by stellar sources: population III stars. Monthly Notices of the Royal Astronomical Society, 2004, 350, 47-65.	4.4	139
34	Searching for massive clusters in weak lensing surveys. Monthly Notices of the Royal Astronomical Society, 2004, 350, 893-913.	4.4	137
35	Toward First-Principle Simulations of Galaxy Formation: I. How Should We Choose Star-Formation Criteria in High-Resolution Simulations of Disk Galaxies?. Publication of the Astronomical Society of Japan, 2008, 60, 667-681.	2.5	131
36	Dark Quest. I. Fast and Accurate Emulation of Halo Clustering Statistics and Its Application to Galaxy Clustering. Astrophysical Journal, 2019, 884, 29.	4.5	126

#	Article	IF	Citations
37	Voids in a ΛCDM universe. Monthly Notices of the Royal Astronomical Society, 2005, 360, 216-226.	4.4	125
38	The Era of Massive Population III Stars: Cosmological Implications and Self-Termination. Astrophysical Journal, 2004, 605, 579-590.	4.5	123
39	Supernova Explosions in the Early Universe: Evolution of Radiative Remnants and the Halo Destruction Efficiency. Astrophysical Journal, 2005, 630, 675-688.	4.5	121
40	Early Structure Formation and Reionization in a Warm Dark Matter Cosmology. Astrophysical Journal, 2003, 591, L1-L4.	4.5	119
41	Modeling Nonlinear Evolution of Baryon Acoustic Oscillations: Convergence Regime of N-body Simulations and Analytic Models. Publication of the Astronomical Society of Japan, 2009, 61, 321-332.	2.5	117
42	Titans of the early Universe: The Prato statement on the origin of the first supermassive black holes. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	114
43	SIMULATIONS OF BARYON ACOUSTIC OSCILLATIONS. II. COVARIANCE MATRIX OF THE MATTER POWER SPECTRUM. Astrophysical Journal, 2009, 700, 479-490.	4.5	113
44	Non-Gaussian cosmic microwave background temperature fluctuations from peculiar velocities of clusters. Monthly Notices of the Royal Astronomical Society, 2001, 328, 669-677.	4.4	109
45	Properties of cluster satellites in hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2004, 350, 1397-1408.	4.4	102
46	The first generation of stars in the Λ cold dark matter cosmology. Monthly Notices of the Royal Astronomical Society, 2007, 378, 449-468.	4.4	102
47	Supersonic gas streams enhance the formation of massive black holes in the early universe. Science, 2017, 357, 1375-1378.	12.6	99
48	Toward First-Principle Simulations of Galaxy Formation: II. Shock-Induced Starburst at a Collision Interface during the First Encounter of Interacting Galaxies. Publication of the Astronomical Society of Japan, 2009, 61, 481-486.	2.5	98
49	ALMA uncovers the [C ii] emission and warm dust continuum in a z = 8.31 Lyman break galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4294-4307.	4.4	95
50	EVOLUTION OF VERY MASSIVE POPULATION III STARS WITH MASS ACCRETION FROM PRE-MAIN SEQUENCE TO COLLAPSE. Astrophysical Journal, 2009, 706, 1184-1193.	4.5	89
51	LOW-METALLICITY STAR FORMATION: PRESTELLAR COLLAPSE AND PROTOSTELLAR ACCRETION IN THE SPHERICAL SYMMETRY. Astrophysical Journal, 2010, 722, 1793-1815.	4.5	88
52	Gas cooling in simulations of the formation of the galaxy population. Monthly Notices of the Royal Astronomical Society, 2002, 335, 762-772.	4.4	87
53	Collisional Dark Matter and the Structure of Dark Halos. Astrophysical Journal, 2000, 535, L103-L106.	4.5	86
54	THE FINAL FATES OF ACCRETING SUPERMASSIVE STARS. Astrophysical Journal Letters, 2016, 830, L34.	8.3	84

#	Article	IF	Citations
55	SIMULATIONS OF EARLY BARYONIC STRUCTURE FORMATION WITH STREAM VELOCITY. II. THE GAS FRACTION. Astrophysical Journal, 2013, 763, 27.	4.5	83
56	Giant cluster arcs as a constraint on the scattering cross-section of dark matter. Monthly Notices of the Royal Astronomical Society, 2001, 325, 435-442.	4.4	82
57	Formation of Massive Primordial Stars in a Reionized Gas. Astrophysical Journal, 2007, 667, L117-L120.	4.5	79
58	Descendants of the first stars: the distinct chemical signature of second-generation stars. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1795-1810.	4.4	77
59	SIMULATIONS OF EARLY BARYONIC STRUCTURE FORMATION WITH STREAM VELOCITY. I. HALO ABUNDANCE. Astrophysical Journal, 2012, 747, 128.	4.5	75
60	COSMOLOGICAL SIMULATIONS OF EARLY BLACK HOLE FORMATION: HALO MERGERS, TIDAL DISRUPTION, AND THE CONDITIONS FOR DIRECT COLLAPSE. Astrophysical Journal, 2016, 832, 134.	4.5	70
61	Formation of intermediate-mass black holes through runaway collisions in the first star clusters. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1677-1684.	4.4	69
62	Early Structure Formation and Reionization in a Cosmological Model with a Running Primordial Power Spectrum. Astrophysical Journal, 2003, 598, 73-85.	4.5	68
63	Formation of primordial supermassive stars by burst accretion. Monthly Notices of the Royal Astronomical Society, 2015, 452, 755-764.	4.4	65
64	IMPACT OF BARYONIC PROCESSES ON WEAK-LENSING COSMOLOGY: POWER SPECTRUM, NONLOCAL STATISTICS, AND PARAMETER BIAS. Astrophysical Journal, 2015, 806, 186.	4.5	59
65	Modeling the Dust Properties of z â~¼ 6 Quasars with ART^{2}â€"Allâ€"Wavelength Radiative Transfer with Adaptive Refinement Tree. Astrophysical Journal, 2008, 678, 41-63.	4.5	57
66	PROTOSTELLAR FEEDBACK AND FINAL MASS OF THE SECOND-GENERATION PRIMORDIAL STARS. Astrophysical Journal Letters, 2012, 760, L37.	8.3	56
67	Matter power spectrum in hidden neutrino interacting dark matter models: a closer look at the collision term. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 043-043.	5.4	55
68	Supermassive star formation via episodic accretion: protostellar disc instability and radiative feedback efficiency. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1137-1145.	4.4	54
69	Galaxy clustering constraints on deviations from Newtonian gravity at cosmological scales. Physical Review D, 2005, 71, .	4.7	53
70	The nature of dark matter from the global high-redshift Hâ€‰i 21â€‰cm signal. Monthly Notices of the Royal Astronomical Society, 2013, 429, 1705-1716.	4.4	52
71	Radiation hydrodynamics simulations of the formation of direct-collapse supermassive stellar systems. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4104-4121.	4.4	52
72	STATISTICAL AND SYSTEMATIC ERRORS IN THE MEASUREMENT OF WEAK-LENSING MINKOWSKI FUNCTIONALS: APPLICATION TO THE CANADA-FRANCE-HAWAII LENSING SURVEY. Astrophysical Journal, 2014, 786, 43.	4.5	51

#	Article	IF	Citations
73	Radiation Hydrodynamics Simulations of Photoevaporation of Protoplanetary Disks by Ultraviolet Radiation: Metallicity Dependence. Astrophysical Journal, 2018, 857, 57.	4.5	51
74	Detectability of high-redshift superluminous supernovae with upcoming optical and near-infrared surveys. Monthly Notices of the Royal Astronomical Society, 2012, 422, 2675-2684.	4.4	49
75	Constraints on warm dark matter models from high-redshift long gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2013, 432, 3218-3227.	4.4	49
76	First sources in infrared light: stars, supernovae and miniquasars. Monthly Notices of the Royal Astronomical Society, 2004, 351, L71-L77.	4.4	48
77	Cross correlation of cosmic shear and extragalactic gamma-ray background: Constraints on the dark matter annihilation cross section. Physical Review D, 2014, 90, .	4.7	48
78	Radiation Hydrodynamics Simulations of Photoevaporation of Protoplanetary Disks. II. Metallicity Dependence of UV and X-Ray Photoevaporation. Astrophysical Journal, 2018, 865, 75.	4.5	46
79	Early structure formation in quintessence models and its implications for cosmic reionization from first stars. Monthly Notices of the Royal Astronomical Society, 2006, 373, 869-878.	4.4	45
80	DIRECT INTEGRATION OF THE COLLISIONLESS BOLTZMANN EQUATION IN SIX-DIMENSIONAL PHASE SPACE: SELF-GRAVITATING SYSTEMS. Astrophysical Journal, 2013, 762, 116.	4.5	45
81	NON-GAUSSIAN ERROR CONTRIBUTION TO LIKELIHOOD ANALYSIS OF THE MATTER POWER SPECTRUM. Astrophysical Journal, 2011, 726, 7.	4.5	43
82	Gravitational collapse and the thermal evolution of low-metallicity gas clouds in the early Universe. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2781-2798.	4.4	42
83	THE ORIGIN OF THE MOST IRON-POOR STAR. Astrophysical Journal, 2014, 794, 100.	4.5	41
84	Probing cosmology with weak lensing selected clusters â€" I. Halo approach and all-sky simulations. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3044-3068.	4.4	40
85	The evolution of baryon density fluctuations in multicomponent cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2003, 344, 481-491.	4.4	39
86	Accretion process onto super-spinning objects. Physical Review D, 2009, 80, .	4.7	39
87	Submillimetre galaxies in cosmological hydrodynamic simulations: source number counts and the spatial clustering. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2866-2875.	4.4	37
88	Structure of dark matter halos in warm dark matter models and in models with long-lived charged massive particles. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 008-008.	5.4	37
89	LOW-MASS STAR FORMATION TRIGGERED BY EARLY SUPERNOVA EXPLOSIONS. Astrophysical Journal, 2013, 762, 50.	4.5	37
90	Supernova dust formation and the grain growth in the early universe: the critical metallicity for low-mass star formation. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2659-2672.	4.4	37

#	Article	IF	Citations
91	Simulations of deep pencil-beam redshift surveys. Monthly Notices of the Royal Astronomical Society, 2001, 325, 803-816.	4.4	35
92	Energy deposition by weakly interacting massive particles: a comprehensive study. Monthly Notices of the Royal Astronomical Society, 2012, 422, 420-433.	4.4	35
93	Modelling colour-dependent galaxy clustering in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2286-2300.	4.4	35
94	Physical properties of UDF12 galaxies in cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2014, 440, 731-745.	4.4	35
95	The distribution and physical properties of high-redshift [Oâ€°<scp>iii</scp>] emitters in a cosmological hydrodynamics simulation. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 481, L84-L88.	3.3	35
96	Reliability of the Dark Matter Clustering in CosmologicalNâ€Body Simulations on Scales below the Mean Separation Length of Particles. Astrophysical Journal, 2002, 568, 455-462.	4.5	34
97	Simulations of baryon acoustic oscillations - I. Growth of large-scale density fluctuations. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1675-1682.	4.4	33
98	THE HYDRODYNAMIC FEEDBACK OF COSMIC REIONIZATION ON SMALL-SCALE STRUCTURES AND ITS IMPACT ON PHOTON CONSUMPTION DURING THE EPOCH OF REIONIZATION. Astrophysical Journal, 2016, 831, 86.	4.5	33
99	The Temperature Structure of the Warm-Hot Intergalactic Medium. Astrophysical Journal, 2005, 618, L91-L94.	4.5	32
100	Detectability of high-redshift superluminous supernovae with upcoming optical and near-infrared surveys â€" II. Beyond zÂ=Â6. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2483-2493.	4.4	32
101	Reproducing cosmic evolution of galaxy population from <i>z</i>Â=Â4 to 0. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	32
102	From the first stars to the first galaxies. New Astronomy Reviews, 2006, 50, 19-23.	12.8	31
103	Formation of the First Star Clusters and Massive Star Binaries by Fragmentation of Filamentary Primordial Gas Clouds. Astrophysical Journal, 2018, 855, 17.	4.5	31
104	The three-year shear catalog of the Subaru Hyper Suprime-Cam SSP Survey. Publication of the Astronomical Society of Japan, 2022, 74, 421-459.	2.5	31
105	WEAKLY INTERACTING MASSIVE PARTICLE DARK MATTER AND FIRST STARS: SUPPRESSION OF FRAGMENTATION IN PRIMORDIAL STAR FORMATION. Astrophysical Journal, 2012, 761, 154.	4.5	30
106	RADIATIVE COOLING IMPLEMENTATIONS IN SIMULATIONS OF PRIMORDIAL STAR FORMATION. Astrophysical Journal, 2013, 763, 52.	4.5	30
107	Can non-Gaussian cosmological models explain theWMAPhigh optical depth for reionization?. Monthly Notices of the Royal Astronomical Society, 2003, 346, L31-L35.	4.4	29
108	Cosmological constraint on the light gravitino mass from CMB lensing and cosmic shear. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 004-004.	5.4	29

#	Article	IF	Citations
109	Dust grain growth and the formation of the extremely primitive star SDSS J102915+172927. Monthly Notices of the Royal Astronomical Society, 2014, 439, 3121-3127.	4.4	28
110	Machine-learning selection of optical transients in the Subaru/Hyper Suprime-Cam survey. Publication of the Astronomical Society of Japan, 0, , .	2.5	28
111	Clustering of Dark Matter Halos on the Light Cone: Scale, Time, and Mass Dependence of the Halo Biasing in the Hubble Volume Simulations. Astrophysical Journal, 2001, 561, L143-L146.	4.5	27
112	Galaxy clustering constraints on deviations from Newtonian gravity at cosmological scales. II. Perturbative and numerical analyses of power spectrum and bispectrum. Physical Review D, 2007, 76, .	4.7	26
113	Growth of intermediate mass black holes by tidal disruption events in the first star clusters. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4665-4677.	4.4	26
114	Cross-correlation of the thermal Sunyaev–Zel'dovich effect and weak gravitational lensing: Planck and Subaru Hyper Suprime-Cam first-year data. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4780-4804.	4.4	26
115	Modelling peculiar velocities of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2003, 343, 1312-1318.	4.4	25
116	Outflows from accreting super-spinars. Physical Review D, 2010, 81, .	4.7	25
117	Nebular line emission from $z > 7$ galaxies in a cosmological simulation: rest-frame UV to optical lines. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3563-3575.	4.4	25
118	Investigating cluster astrophysics and cosmology with cross-correlation of the thermal Sunyaev–Zel'dovich effect and weak lensing. Monthly Notices of the Royal Astronomical Society, 2018, 475, 532-542.	4.4	25
119	Tidal disruption of a white dwarf by a black hole: the diversity of nucleosynthesis, explosion energy, and the fate of debris streams. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3449-3460.	4.4	24
120	Fingerprint of the first stars: multi-enriched extremely metal-poor stars in the TOPoS survey. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1204-1210.	4.4	24
121	R-process enrichment in ultrafaint dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 494, 120-128.	4.4	24
122	Lyman α emitters in cosmological simulations - I. Lyman α escape fraction and statistical properties at z = 3.1. Monthly Notices of the Royal Astronomical Society, 2011, 418, 2273-2282.	4.4	23
123	Particle splitting in smoothed particle hydrodynamics based on Voronoi diagram. Monthly Notices of the Royal Astronomical Society, 2015, 451, 3955-3963.	4.4	23
124	Multidimensional Vlasov–Poisson Simulations with High-order Monotonicity- and Positivity-preserving Schemes. Astrophysical Journal, 2017, 849, 76.	4.5	23
125	Spiral-arm instability: giant clump formation via fragmentation of a galactic spiral arm. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3466-3487.	4.4	23
126	The Hyper Suprime-Cam SSP transient survey in COSMOS: Overview. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	22

#	Article	IF	Citations
127	ALMA deep field in SSA22: Blindly detected CO emitters and [Câ€‰<scp>ii</scp>] emitter candidates. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	21
128	Formation of an Extended Stellar Halo around an Ultra-faint Dwarf Galaxy Following One of the Earliest Mergers from Galactic Building Blocks. Astrophysical Journal Letters, 2021, 914, L10.	8.3	21
129	GROWTH OF DUST GRAINS IN A LOW-METALLICITY GAS AND ITS EFFECT ON THE CLOUD FRAGMENTATION. Astrophysical Journal Letters, 2013, 765, L3.	8.3	20
130	Formation of Carbon-enhanced Metal-poor Stars As a Consequence of Inhomogeneous Metal Mixing. Astrophysical Journal Letters, 2019, 870, L3.	8.3	20
131	Radiation Hydrodynamics Simulations of Protoplanetary Disks: Stellar Mass Dependence of the Disk Photoevaporation Rate. Astrophysical Journal, 2021, 910, 51.	4.5	19
132	Early Black Hole formation by accretion of gas and dark matter. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 024-024.	5.4	18
133	Three-dimensional simulations of the accretion process in Kerr space-time with arbitrary value of the spin parameter. Physical Review D, 2010, 82, .	4.7	18
134	ORIGIN OF MULTIPLE NUCLEI IN ULTRALUMINOUS INFRARED GALAXIES. Astrophysical Journal, 2012, 746, 26.	4.5	18
135	On the systematic errors of cosmological-scale gravity tests using redshift-space distortion: non-linear effects and the halo bias. Monthly Notices of the Royal Astronomical Society, 2014, 443, 3359-3367.	4.4	18
136	Effects of electrically charged dark matter on cosmic microwave background anisotropies. Physical Review D, 2017, 95, .	4.7	18
137	Dromion can be remote-controlled. Journal of Physics A, 1998, 31, 3325-3336.	1.6	17
138	The non-linear evolution of baryonic overdensities in the early universe: initial conditions of numerical simulations. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	17
139	EARLY STRUCTURE FORMATION FROM PRIMORDIAL DENSITY FLUCTUATIONS WITH A BLUE, TILTED POWER SPECTRUM. Astrophysical Journal, 2015, 814, 18.	4.5	17
140	Denoising weak lensing mass maps with deep learning. Physical Review D, 2019, 100, .	4.7	17
141	Formation of massive stars under protostellar radiation feedback: very metal-poor stars. Monthly Notices of the Royal Astronomical Society, 2020, 497, 829-845.	4.4	17
142	Cosmological Vlasovâ€"Poisson Simulations of Structure Formation with Relic Neutrinos: Nonlinear Clustering and the Neutrino Mass. Astrophysical Journal, 2020, 904, 159.	4.5	17
143	Large-scale clustering as a probe of the origin and the host environment of fast radio bursts. Physical Review D, 2017, 95, .	4.7	16
144	Cross-correlation of the extragalactic gamma-ray background with luminous red galaxies. Physical Review D, 2015, 92, .	4.7	15

#	Article	IF	Citations
145	Deep learning for intensity mapping observations: component extraction. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L54-L58.	3.3	15
146	Noise reduction for weak lensing mass mapping: an application of generative adversarial networks to Subaru Hyper Suprime-Cam first-year data. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1825-1839.	4.4	15
147	MATTER DISTRIBUTION AROUND GALAXIES. Astrophysical Journal, 2012, 746, 38.	4.5	14
148	Cosmological constraints on dark matter annihilation and decay: Cross-correlation analysis of the extragalactic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math> -ray background and cosmic shear. Physical Review D, 2016, 94, .	4.7	14
149	EVOLUTION OF PRIMORDIAL STARS POWERED BY DARK MATTER ANNIHILATION UP TO THE MAIN-SEQUENCE STAGE. Astrophysical Journal, 2011, 736, 58.	4.5	13
150	PROBING PRIMORDIAL NON-GAUSSIANITY WITH WEAK-LENSING MINKOWSKI FUNCTIONALS. Astrophysical Journal, 2012, 760, 45.	4.5	13
151	EFFECT OF MASKED REGIONS ON WEAK-LENSING STATISTICS. Astrophysical Journal, 2013, 774, 111.	4.5	13
152	Photometric classification of Hyper Suprime-Cam transients using machine learning. Publication of the Astronomical Society of Japan, 2020, 72, .	2.5	13
153	Large-scale Variation in Reionization History Caused by Baryonâ€"Dark Matter Streaming Velocity. Astrophysical Journal, 2021, 908, 96.	4.5	13
154	Deep Learning for Line Intensity Mapping Observations: Information Extraction from Noisy Maps. Astrophysical Journal Letters, 2021, 906, L1.	8.3	13
155	Disc fragmentation and oligarchic growth of protostellar systems in low-metallicity gas clouds. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5199-5219.	4.4	13
156	Cosmic Microwave Background-Weak Lensing Correlation: Analytical and Numerical Study of Nonlinearity and Implications for Dark Energy. Astrophysical Journal, 2008, 676, L93-L96.	4.5	12
157	Thick disk accretion in Kerr space-time with arbitrary spin parameters. Physical Review D, 2010, 82, .	4.7	12
158	Cross-correlation between the 21-cm signal and [Oâ€°iii] emitters during early cosmic reionization. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2471-2477.	4.4	12
159	Clumpy galaxies in cosmological simulations: the effect of ISM model. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4400-4412.	4.4	12
160	Spiral-arm instability â€" II. Magnetic destabilization. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3024-3041.	4.4	12
161	Spiral-arm instability â€" III. Fragmentation of primordial protostellar discs. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 491, L24-L28.	3.3	12
162	First Structure Formation under the Influence of Gasâ€"Dark Matter Streaming Velocity and Density: Impact of the â€œBaryons Trace Dark Matterâ€•Approximation. Astrophysical Journal, 2020, 900, 30.	4.5	12

#	Article	IF	Citations
163	Superclusters with thermal Sunyaev--Zel'dovich effect surveys. Monthly Notices of the Royal Astronomical Society, 2003, 338, 433-442.	4.4	11
164	Photoevaporation of Molecular Gas Clumps Illuminated by External Massive Stars: Clump Lifetimes and Metallicity Dependence. Astrophysical Journal, 2019, 883, 127.	4.5	11
165	Probing cosmology with weak lensing selected clusters. II. Dark energy and $f(R)$ gravity models. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	10
166	Distribution of dust around galaxies: an analytic model. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 423, L117-L121.	3.3	9
167	Rapid Transients Originating from Thermonuclear Explosions in Helium White Dwarf Tidal Disruption Events. Astrophysical Journal Letters, 2020, 890, L26.	8.3	9
168	Photoevaporation of Minihalos During Cosmic Reionization: Primordial and Metal-enriched Halos. Astrophysical Journal, 2020, 905, 151.	4.5	9
169	Statistical distribution of gravitational-lensing excursion angles: winding ways to us from the deep Universe. Monthly Notices of the Royal Astronomical Society, 2005, 356, 829-838.	4.4	8
170	The pairwise velocity probability density function in models with local primordial non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2011, 414, 289-303.	4.4	8
171	Formation and evolution of primordial protostellar systems. AIP Conference Proceedings, 2012, , .	0.4	8
172	On de Sitter geometry in cosmic void statistics. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1603-1610.	4.4	8
173	Correlation of extragalactic γ rays with cosmic matter density distributions from weak gravitational lensing. Physical Review D, 2018, 97, .	4.7	8
174	The CO universe: modelling CO emission and H2 abundance in cosmological galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5960-5971.	4.4	8
175	Weighing the light gravitino mass with weak lensing surveys. Journal of High Energy Physics, 2014, 2014, 1.	4.7	7
176	Possible Systematic Rotation in the Mature Stellar Population of a z = 9.1 Galaxy. Astrophysical Journal Letters, 2022, 933, L19.	8.3	7
177	The 21-cm signature of early relic H$f$ii regions. Monthly Notices of the Royal Astronomical Society, 2009, 395, 777-780.	4.4	6
178	Single-Epoch Supernova Classification with Deep Convolutional Neural Networks. , 2017, , .		6
179	Stellar wind effect on the atmospheric escape of hot Jupiters and their Lyα and Hα transits. Monthly Notices of the Royal Astronomical Society, 2022, 512, 855-860.	4.4	6
180	H_2 Cooling and Gravitational Collapse of Supersonically Induced Gas Objects. Astrophysical Journal Letters, 2022, 927, L12.	8.3	6

#	Article	IF	Citations
181	Detecting Preheating in Protoclusters with LyÎ± Forest Tomography. Astrophysical Journal, 2022, 927, 53.	4.5	5
182	<i>s-</i>process enrichment of ultrafaint dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3755-3766.	4.4	4
183	ADF22: Blind Detections of [Câ€‰II] Line Emitters Shown to be Spurious. Research Notes of the AAS, 2019, 3, 97.	0.7	4
184	A 400 trillion-grid Vlasov simulation on Fugaku supercomputer. , 2021, , .		4
185	Deep-learning Reconstruction of Three-dimensional Galaxy Distributions with Intensity Mapping Observations. Astrophysical Journal Letters, 2021, 923, L7.	8.3	4
186	Deep-learning real/bogus classification for the Tomo-e Gozen transient survey. Publication of the Astronomical Society of Japan, 0, , .	2.5	4
187	Cosmic Structure Formation at Low and High Redshifts. Progress of Theoretical Physics Supplement, 2005, 158, 117-143.	0.1	3
188	Interaction-Powered Supernovae as Probes of the High-Redshift Universe. , 2010, , .		3
189	Formation of the first generation of stars and blackholes in the Universe. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2019, 95, 17-28.	3.8	3
190	Cross-correlation of the extragalactic gamma-ray background with the thermal Sunyaev-Zelâ€™dovich effect in the cosmic microwave background. Physical Review D, 2020, 101, .	4.7	3
191	Large format imaging spectrograph for the Large Submillimeter Telescope (LST). , 2020, , .		3
192	Protostar formation in the early universe. Proceedings of the International Astronomical Union, 2008, 4, 18-23.	0.0	2
193	Shock-induced star cluster formation in colliding galaxies. Proceedings of the International Astronomical Union, 2010, 6, 483-486.	0.0	2
194	Three-dimensional Reconstruction of Weak-lensing Mass Maps with a Sparsity Prior. I. Cluster Detection. Astrophysical Journal, 2021, 916, 67.	4.5	2
195	Fragmentation of ring galaxies and transformation to clumpy galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 507, 6140-6147.	4.4	2
196	Internal R-process Abundance Spread of M15 and a Single Stellar Population Model. Astrophysical Journal Letters, 2021, 921, L11.	8.3	2
197	Dark Stars: Dark matter in the first stars leads to a new phase of stellar evolution. Proceedings of the International Astronomical Union, 2008, 4, 56-60.	0.0	1
198	Population III Gamma-Ray Burst. Proceedings of the International Astronomical Union, 2011, 7, 301-304.	0.0	1

#	ARTICLE	IF	CITATIONS
199	Radiative feedback from primordial protostars and final mass of the first stars. , 2012, , .		1
200	Probing the shape and internal structure of dark matter haloes with the halo-shearâ€"shear three-point correlation function. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1665-1679.	4.4	1
201	Spectral energy distribution of the first galaxies: contribution from pre-main-sequence stars. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 488, L64-L68.	3.3	1
202	Simulating the Formation of Primordial Protoâ€Stars. , 2008, , .		0
203	Formation of the first stars in the universe. AIP Conference Proceedings, 2008, , .	0.4	0
204	Supercomputer simulations of structure formation in the Universe. Computer Physics Communications, 2009, 180, 625-627.	7.5	0
205	Low-Metallicity Star Formation. , 2010, , .		0
206	The First Stars: Formation of Binaries and Small Multiples. , 2010, , .		0
207	Star Formation in a Low-Metallicity Gas. , 2010, , .		0
208	Laboratory Simulations of Molecular Hydrogen Formation in the Early Universe: A Progress Report. , 2010, , .		0
209	The First Stars. , 2010, , .		0
210	Formation of Primordial Stars. , 2010, , .		0
211	Physics of primordial star formation. , 2012, , .		0
212	Statistical properties of dark matter mini-halos. , 2012, , .		0
213	Radiative cooling implementations in simulations of primordial star formation. , 2012, , .		0
214	Lyman alpha emitters in cosmological simulations: Lyman alpha escape fraction and statistical properties. , 2012, , .		0
215	Dark matter annihilation feedback: Effects upon collapse and fragmentation. , 2012, , .		0
216	Light Curve Modeling of Superluminous Supernovae. Proceedings of the International Astronomical Union, 2013, 9, 86-89.	0.0	0

#	Article	IF	Citations
217	Preparation and Electrochemical Evaluation of LiCoO2Film Prepared with Cold Spraying for Development of Lithium-Ion Battery. ECS Transactions, 2017, 75, 191-199.	0.5	0
218	Electrochemical Degradation Caused by Mechanical Damage in Silicon Negative Electrodes. ECS Transactions, 2017, 75, 31-37.	0.5	0
219	Formation of the First Stars and Blackholes. Proceedings of the International Astronomical Union, 2017, 12, 209-215.	0.0	0
220	Detections of far-infrared [OIII] and dust emission in a galaxy at z = 8.312: Early metal enrichment in the heart of the reionization era. Proceedings of the International Astronomical Union, 2019, 15, 211-215.	0.0	0
221	First galaxy SED: Contribution from pre-main-sequence stars. Proceedings of the International Astronomical Union, 2019, 15, 287-288.	0.0	0
222	Growth of intermediate mass black holes in first star clusters. Proceedings of the International Astronomical Union, 2019, 14, 220-223.	0.0	0
223	Structure of Galactic Dark Halos and Observational Prospects for Identifying the Nature of Dark Matter. Thirty Years of Astronomical Discovery With UKIRT, 2008, , 302-306.	0.3	0
224	Structure Formation in the Early Universe. Advanced Science Letters, 2011, 4, 286-296.	0.2	0
225	A Large Sky Survey Project and the Related Big Data Analysis. Lecture Notes in Computer Science, 2015, , 228-230.	1.3	0
226	Preparation and Electrochemical Evaluation of LiCoO2 Film Prepared with Cold Spraying for Development of Lithium-Ion Battery. ECS Meeting Abstracts, 2016, , .	0.0	0
227	Electrochemical Degradations Caused By Mechanical Damages in Silicon Negative Electrode. ECS Meeting Abstracts, 2016, , .	0.0	0
228	Electrochemical Degradation Caused By Mechanical Damage in All Solid State Battery Based on Al2O3 doped Li7La3Zr2O12. ECS Meeting Abstracts, 2018, , .	0.0	0
229	A missing piece of the cosmic history. International Journal of Modern Physics D, 2021, 30, .	2.1	0