

J Xavier Prochaska

List of Publications by Year in descending order

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399
papers

29,845
citations

4146

87
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6836

155
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402
all docs

402
docs citations

402
times ranked

13900
citing authors

#	ARTICLE	IF	CITATIONS
1	The Astropy Project: Building an Open-science Project and Status of the v2.0 Core Package[*]. <i>Astronomical Journal</i> , 2018, 156, 123.	4.7	4,142
2	Swope Supernova Survey 2017a (SSS17a), the optical counterpart to a gravitational wave source. <i>Science</i> , 2017, 358, 1556-1558.	12.6	811
3	Further Evidence for Cosmological Evolution of the Fine Structure Constant. <i>Physical Review Letters</i> , 2001, 87, 091301.	7.8	663
4	Light curves of the neutron star merger GW170817/SSS17a: Implications for r-process nucleosynthesis. <i>Science</i> , 2017, 358, 1570-1574.	12.6	517
5	THE COS-HALOS SURVEY: PHYSICAL CONDITIONS AND BARYONIC MASS IN THE LOW-REDSHIFT CIRCUMGALACTIC MEDIUM. <i>Astrophysical Journal</i> , 2014, 792, 8.	4.5	464
6	The Large, Oxygen-Rich Halos of Star-Forming Galaxies Are a Major Reservoir of Galactic Metals. <i>Science</i> , 2011, 334, 948-952.	12.6	442
7	A census of baryons in the Universe from localized fast radio bursts. <i>Nature</i> , 2020, 581, 391-395.	27.8	341
8	An empirical relation between sodium absorption and dust extinction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 1465-1474.	4.4	330
9	LOW-RESOLUTION SPECTROSCOPY OF GAMMA-RAY BURST OPTICAL AFTERGLOWS: BIASES IN THE <i>SWIFT</i> SAMPLE AND CHARACTERIZATION OF THE ABSORBERS. <i>Astrophysical Journal, Supplement Series</i> , 2009, 185, 526-573.	7.7	295
10	A single fast radio burst localized to a massive galaxy at cosmological distance. <i>Science</i> , 2019, 365, 565-570.	12.6	295
11	METALLICITY EVOLUTION OF DAMPED Ly α SYSTEMS OUT TO <i>z</i> 5. <i>Astrophysical Journal</i> , 2012, 755, 89.	4.5	292
12	Possible evidence for a variable fine-structure constant from QSO absorption lines: motivations, analysis and results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, 1208-1222.	4.4	290
13	THE COS-HALOS SURVEY: RATIONALE, DESIGN, AND A CENSUS OF CIRCUMGALACTIC NEUTRAL HYDROGEN. <i>Astrophysical Journal</i> , 2013, 777, 59.	4.5	285
14	A cosmic web filament revealed in Lyman- α emission around a luminous high-redshift quasar. <i>Nature</i> , 2014, 506, 63-66.	27.8	284
15	ON THE (NON)EVOLUTION OF H I GAS IN GALAXIES OVER COSMIC TIME. <i>Astrophysical Journal</i> , 2009, 696, 1543-1547.	4.5	280
16	THE COS-HALOS SURVEY: AN EMPIRICAL DESCRIPTION OF METAL-LINE ABSORPTION IN THE LOW-REDSHIFT CIRCUMGALACTIC MEDIUM. <i>Astrophysical Journal, Supplement Series</i> , 2013, 204, 17.	7.7	273
17	EVIDENCE FOR UBIQUITOUS COLLIMATED GALACTIC-SCALE OUTFLOWS ALONG THE STAR-FORMING SEQUENCE AT <i>z</i> 0.5. <i>Astrophysical Journal</i> , 2014, 794, 156.	4.5	268
18	Closing in on a Shortâ€Hard Burst Progenitor: Constraints from Earlyâ€Time Optical Imaging and Spectroscopy of a Possible Host Galaxy of GRB 050509b. <i>Astrophysical Journal</i> , 2006, 638, 354-368.	4.5	258

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19	Absorption-line systems in simulated galaxies fed by cold streams. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 1796-1821.	4.4	257
20	A BUDGET AND ACCOUNTING OF METALS AT $z \approx 0$: RESULTS FROM THE COS-HALOS SURVEY. <i>Astrophysical Journal</i> , 2014, 786, 54.	4.5	256
21	PROBING THE INTERGALACTIC MEDIUM/GALAXY CONNECTION. V. ON THE ORIGIN OF Ly α AND O VI ABSORPTION AT $z < 0.2$. <i>Astrophysical Journal</i> , 2011, 740, 91.	4.5	247
22	Early spectra of the gravitational wave source GW170817: Evolution of a neutron star merger. <i>Science</i> , 2017, 358, 1574-1578.	12.6	240
23	FROM SHOCK BREAKOUT TO PEAK AND BEYOND: EXTENSIVE PANCHROMATIC OBSERVATIONS OF THE TYPE Ib SUPERNOVA 2008D ASSOCIATED WITH SWIFT X-RAY TRANSIENT 080109. <i>Astrophysical Journal</i> , 2009, 702, 226-248.	4.5	216
24	The low density and magnetization of a massive galaxy halo exposed by a fast radio burst. <i>Science</i> , 2019, 366, 231-234.	12.6	204
25	The COS-Halos Survey: Metallicities in the Low-redshift Circumgalactic Medium. <i>Astrophysical Journal</i> , 2017, 837, 169.	4.5	203
26	Electromagnetic evidence that SSS17a is the result of a binary neutron star merger. <i>Science</i> , 2017, 358, 1583-1587.	12.6	203
27	The first ultraviolet quasar-stacked spectrum at $z \approx 2.4$ from WFC3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 4204-4220.	4.4	197
28	THE COS-DWARFS SURVEY: THE CARBON RESERVOIR AROUND SUB-L* GALAXIES. <i>Astrophysical Journal</i> , 2014, 796, 136.	4.5	196
29	Quasar quartet embedded in giant nebula reveals rare massive structure in distant universe. <i>Science</i> , 2015, 348, 779-783.	12.6	187
30	THE BIMODAL METALLICITY DISTRIBUTION OF THE COOL CIRCUMGALACTIC MEDIUM AT $z \approx 1$. <i>Astrophysical Journal</i> , 2013, 770, 138.	4.5	179
31	THE CIRCUMGALACTIC MEDIUM OF MASSIVE GALAXIES AT $z \approx 3$: A TEST FOR STELLAR FEEDBACK, GALACTIC OUTFLOWS, AND COLD STREAMS. <i>Astrophysical Journal</i> , 2013, 765, 89.	4.5	168
32	GRB 080503: IMPLICATIONS OF A NAKED SHORT GAMMA-RAY BURST DOMINATED BY EXTENDED EMISSION. <i>Astrophysical Journal</i> , 2009, 696, 1871-1885.	4.5	167
33	WHAT DRIVES THE EXPANSION OF GIANT H II REGIONS?: A STUDY OF STELLAR FEEDBACK IN 30 DORADUS. <i>Astrophysical Journal</i> , 2011, 731, 91.	4.5	167
34	THE HOST GALAXIES OF SWIFT DARK GAMMA-RAY BURSTS: OBSERVATIONAL CONSTRAINTS ON HIGHLY OBSCURED AND VERY HIGH REDSHIFT GRBs. <i>Astronomical Journal</i> , 2009, 138, 1690-1708.	4.7	163
35	A POPULATION OF MASSIVE, LUMINOUS GALAXIES HOSTING HEAVILY DUST-OBSCURED GAMMA-RAY BURSTS: IMPLICATIONS FOR THE USE OF GRBs AS TRACERS OF COSMIC STAR FORMATION. <i>Astrophysical Journal</i> , 2013, 778, 128.	4.5	160
36	THE PERSISTENCE OF COOL GALACTIC WINDS IN HIGH STELLAR MASS GALAXIES BETWEEN $z \approx 1.4$ AND $z \approx 1$. <i>Astrophysical Journal</i> , 2010, 719, 1503-1525.	4.5	159

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37	THE FIRST POSITIVE DETECTION OF MOLECULAR GAS IN A GRB HOST GALAXY. <i>Astrophysical Journal</i> , 2009, 691, L27-L32.	4.5	154
38	Detection of Pristine Gas Two Billion Years After the Big Bang. <i>Science</i> , 2011, 334, 1245-1249.	12.6	148
39	Host Galaxy Properties and Offset Distributions of Fast Radio Bursts: Implications for Their Progenitors. <i>Astrophysical Journal</i> , 2020, 903, 152.	4.5	148
40	THE DIRECT DETECTION OF COOL, METAL-ENRICHED GAS ACCRETION ONTO GALAXIES AT $z \approx 0.5$. <i>Astrophysical Journal Letters</i> , 2012, 747, L26.	8.3	146
41	The Giant Gemini GMOS survey of $z \approx 4.4$ quasars. I. Measuring the mean free path across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1745-1760.	4.4	146
42	AFTERGLOW OBSERVATIONS OF FERMI-LARGE AREA TELESCOPE GAMMA-RAY BURSTS AND THE EMERGING CLASS OF HYPER-ENERGETIC EVENTS. <i>Astrophysical Journal</i> , 2011, 732, 29.	4.5	145
43	A DEFINITIVE SURVEY FOR LYMAN LIMIT SYSTEMS AT $z \approx 3.5$ WITH THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal</i> , 2010, 718, 392-416.	4.5	144
44	THE COS-HALOS SURVEY: ORIGINS OF THE HIGHLY IONIZED CIRCUMGALACTIC MEDIUM OF STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2016, 833, 54.	4.5	141
45	A refined measurement of the mean transmitted flux in the Ly α forest over $2 < z < 5$ using composite quasar spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 2067-2081.	4.4	137
46	The Hidden Mass and Large Spatial Extent of a Post-Starburst Galaxy Outflow. <i>Science</i> , 2011, 334, 952-955.	12.6	136
47	Reconciling the Metallicity Distributions of Gamma-Ray Burst, Damped Ly α , and Lyman Break Galaxies at $z \approx 3$. <i>Astrophysical Journal</i> , 2008, 683, 321-328.	4.5	136
48	The neutral hydrogen cosmological mass density at $z = 5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 217-234.	4.4	135
49	OBSERVATIONS OF THE NAKED-EYE GRB 080319B: IMPLICATIONS OF NATURE'S BRIGHTEST EXPLOSION. <i>Astrophysical Journal</i> , 2009, 691, 723-737.	4.5	133
50	Correcting Λ -based virial black hole masses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2120-2142.	4.4	131
51	DUST EXTINCTION IN HIGH- z GALAXIES WITH GAMMA-RAY BURST AFTERGLOW SPECTROSCOPY: THE 2175 Å... FEATURE AT $z = 2.45$. <i>Astrophysical Journal</i> , 2009, 697, 1725-1740.	4.5	130
52	NOT DEAD YET: COOL CIRCUMGALACTIC GAS IN THE HALOS OF EARLY-TYPE GALAXIES. <i>Astrophysical Journal Letters</i> , 2012, 758, L41.	8.3	128
53	Pypelt: The Python Spectroscopic Data Reduction Pipeline. <i>Journal of Open Source Software</i> , 2020, 5, 2308.	4.6	128
54	Probing Galactic Halos with Fast Radio Bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, ,.	4.4	123

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55	A DIRECT MEASUREMENT OF THE INTERGALACTIC MEDIUM OPACITY TO H I IONIZING PHOTONS. <i>Astrophysical Journal</i> , 2009, 705, L113-L117.	4.5	122
56	Implications of $z \sim 6$ Quasar Proximity Zones for the Epoch of Reionization and Quasar Lifetimes. <i>Astrophysical Journal</i> , 2017, 840, 24.	4.5	122
57	QUASARS PROBING QUASARS. VI. EXCESS H I ABSORPTION WITHIN ONE PROPER Mpc OF $z \sim 2$ QUASARS. <i>Astrophysical Journal</i> , 2013, 776, 136.	4.5	120
58	magicc haloes: confronting simulations with observations of the circumgalactic medium at $z=0$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 1270-1277.	4.4	119
59	SIMPLE MODELS OF METAL-LINE ABSORPTION AND EMISSION FROM COOL GAS OUTFLOWS. <i>Astrophysical Journal</i> , 2011, 734, 24.	4.5	117
60	Further constraints on variation of the fine-structure constant from alkali-doublet QSO absorption lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, 1237-1243.	4.4	114
61	The Host Galaxies and Progenitors of Fast Radio Bursts Localized with the Australian Square Kilometre Array Pathfinder. <i>Astrophysical Journal Letters</i> , 2020, 895, L37.	8.3	113
62	Discovery of an Enormous Ly α Nebula in a Massive Galaxy Overdensity at $z \sim 2.3$. <i>Astrophysical Journal</i> , 2017, 837, 71.	4.5	111
63	The survival of gas clouds in the circumgalactic medium of Milky Way-like galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 114-125.	4.4	110
64	THE ROLE OF STELLAR FEEDBACK IN THE DYNAMICS OF H II REGIONS. <i>Astrophysical Journal</i> , 2014, 795, 121.	4.5	109
65	THE RAPID DECLINE IN METALLICITY OF DAMPED Ly α SYSTEMS AT $z \sim 5$. <i>Astrophysical Journal Letters</i> , 2014, 782, L29.	8.3	108
66	Possible evidence for a variable fine-structure constant from QSO absorption lines: systematic errors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, 1223-1236.	4.4	107
67	Large Excess of Heavy Nitrogen in Both Hydrogen Cyanide and Cyanogen from Comet 17P/Holmes. <i>Astrophysical Journal</i> , 2008, 679, L49-L52.	4.5	106
68	QSO MUSEUM I: a sample of 61 extended Ly α -emission nebulae surrounding $z \sim 3$ quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 3162-3205.	4.4	106
69	QUASARS PROBING QUASARS. III. NEW CLUES TO FEEDBACK, QUENCHING, AND THE PHYSICS OF MASSIVE GALAXY FORMATION. <i>Astrophysical Journal</i> , 2009, 690, 1558-1584.	4.5	104
70	Metal-enriched, subkiloparsec gas clumps in the circumgalactic medium of a faint $z \sim 2.5$ galaxy... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 18-37.	4.4	104
71	The Troublesome Broadband Evolution of GRB 061126: Does a Gray Burst Imply Gray Dust?. <i>Astrophysical Journal</i> , 2008, 672, 449-464.	4.5	103
72	MOLECULAR HYDROGEN DEFICIENCY IN H I-POOR GALAXIES AND ITS IMPLICATIONS FOR STAR FORMATION. <i>Astrophysical Journal</i> , 2009, 697, 1811-1821.	4.5	101

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73	A Neutron Star Binary Merger Model for GW170817/GRB 170817A/SSS17a. <i>Astrophysical Journal Letters</i> , 2017, 848, L34.	8.3	101
74	THE FUNDAMENTAL PLANE OF DAMPED Ly α SYSTEMS. <i>Astrophysical Journal</i> , 2013, 769, 54.	4.5	100
75	The Galaxy Hosts and Large-scale Environments of Short-Hard Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2006, 642, 989-994.	4.5	99
76	EVIDENCE FOR COLD ACCRETION: PRIMITIVE GAS FLOWING ONTO A GALAXY AT $z \approx 0.274$. <i>Astrophysical Journal</i> , 2011, 743, 207.	4.5	98
77	QUASARS PROBING QUASARS. VII. THE PINNACLE OF THE COOL CIRCUMGALACTIC MEDIUM SURROUNDS MASSIVE $z \approx 2$ GALAXIES. <i>Astrophysical Journal</i> , 2014, 796, 140.	4.5	98
78	A UNIVERSAL DENSITY STRUCTURE FOR CIRCUMGALACTIC GAS. <i>Astrophysical Journal</i> , 2016, 830, 87.	4.5	98
79	MASE: A New Data-Reduction Pipeline for the Magellan Echellette Spectrograph. <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 1409-1418.	3.1	96
80	An infrared flash contemporaneous with the $\dot{\Gamma}$ -rays of GRB 041219a. <i>Nature</i> , 2005, 435, 181-184.	27.8	95
81	The spin temperature of high-redshift damped Lyman $\dot{\Gamma}$ systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 2131-2166.	4.4	95
82	LOW-IONIZATION LINE EMISSION FROM A STARBURST GALAXY: A NEW PROBE OF A GALACTIC-SCALE OUTFLOW. <i>Astrophysical Journal</i> , 2011, 728, 55.	4.5	93
83	Significant and variable linear polarization during the prompt optical flash of GRB 160625B. <i>Nature</i> , 2017, 547, 425-427.	27.8	93
84	QUASARS PROBING QUASARS. IV. JOINT CONSTRAINTS ON THE CIRCUMGALACTIC MEDIUM FROM ABSORPTION AND EMISSION. <i>Astrophysical Journal</i> , 2013, 766, 58.	4.5	92
85	GALACTIC AND CIRCUMGALACTIC O VI AND ITS IMPACT ON THE COSMOLOGICAL METAL AND BARYON BUDGETS AT $z \approx 3.5$. <i>Astrophysical Journal</i> , 2014, 788, 119.	4.5	92
86	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. <i>Astronomical Journal</i> , 2022, 163, 69.	4.7	91
87	EARLY AND EXTENDED HELIUM REIONIZATION OVER MORE THAN 600 MILLION YEARS OF COSMIC TIME*. <i>Astrophysical Journal</i> , 2016, 825, 144.	4.5	90
88	Keck telescope constraint on cosmological variation of the proton-to-electron mass ratio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 1541-1555.	4.4	89
89	THE END OF HELIUM REIONIZATION AT $z \approx 2.7$ INFERRED FROM COSMIC VARIANCE IN $\langle \text{HST} \rangle / \text{COS He II Ly}\alpha$ ABSORPTION SPECTRA. <i>Astrophysical Journal Letters</i> , 2011, 733, L24.	8.3	88
90	A new comprehensive set of elemental abundances in DLAs. <i>Astronomy and Astrophysics</i> , 2006, 445, 93-113.	5.1	86

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91	GRB 090426: the environment of a rest-frame 0.35-s gamma-ray burst at a redshift of 2.609. Monthly Notices of the Royal Astronomical Society, 2010, 401, 963-972.	4.4	86
92	Mapping the Most Massive Overdensities through Hydrogen (MAMMOTH). II. Discovery of the Extremely Massive Overdensity BOSS1441 at $z=2.32$. Astrophysical Journal, 2017, 839, 131.	4.5	84
93	The physical properties of $z > 2$ Lyman limit systems: new constraints for feedback and accretion models. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4100-4121.	4.4	83
94	Hypernova Signatures in the Late Rebrightening of GRB 050525A. Astrophysical Journal, 2006, 642, L103-L106.	4.5	82
95	A SUBSTANTIAL MASS OF COOL, METAL-ENRICHED GAS SURROUNDING THE PROGENITORS OF MODERN-DAY ELLIPTICALS. Astrophysical Journal Letters, 2013, 762, L19.	8.3	82
96	DISSECTING THE PROPERTIES OF OPTICALLY THICK HYDROGEN AT THE PEAK OF COSMIC STAR FORMATION HISTORY. Astrophysical Journal, 2013, 775, 78.	4.5	82
97	Spectropolarimetric Analysis of FRB 181112 at Microsecond Resolution: Implications for Fast Radio Burst Emission Mechanism. Astrophysical Journal Letters, 2020, 891, L38.	8.3	82
98	THE COS-HALOS SURVEY: KECK LRIS AND MAGELLAN MagE OPTICAL SPECTROSCOPY. Astrophysical Journal, Supplement Series, 2012, 198, 3.	7.7	80
99	First Data Release of the COSMOS Ly α Mapping and Tomography Observations: 3D Ly α Forest Tomography at $2.05 < z < 2.55$. Astrophysical Journal, Supplement Series, 2018, 237, 31.	7.7	80
100	THE HST/ACS+WFC3 SURVEY FOR LYMAN LIMIT SYSTEMS. II. SCIENCE. Astrophysical Journal, 2013, 765, 137.	4.5	79
101	A DEEP SEARCH FOR FAINT GALAXIES ASSOCIATED WITH VERY LOW REDSHIFT CIV ABSORBERS. III. THE MASS- AND ENVIRONMENT-DEPENDENT CIRCUMGALACTIC MEDIUM. Astrophysical Journal, 2016, 832, 124.	4.5	79
102	Inspiraling halo accretion mapped in Ly α emission around a $z \sim 4$ quasar. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3907-3940.	4.4	79
103	The large- and small-scale properties of the intergalactic gas in the Slug Ly α nebula revealed by MUSE He II emission observations. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5188-5204.	4.4	78
104	WAVELENGTH ACCURACY OF THE KECK HIRES SPECTROGRAPH AND MEASURING CHANGES IN THE FINE STRUCTURE CONSTANT. Astrophysical Journal, 2010, 708, 158-170.	4.5	77
105	A comprehensive set of elemental abundances in damped Ly α systems: Revealing the nature of these high-redshift galaxies. Astronomy and Astrophysics, 2004, 416, 79-110.	5.1	77
106	Evolution of the Cool Gas in the Circumgalactic Medium of Massive Halos: A Keck Cosmic Web Imager Survey of Ly α Emission around QSOs at $z \sim 2$. Astrophysical Journal, Supplement Series, 2019, 245, 23.	7.7	76
107	MULTIPHASE GAS IN GALAXY HALOS: THE O VI LYMAN-LIMIT SYSTEM TOWARD J1009+0713. Astrophysical Journal, 2011, 733, 111.	4.5	75
108	THE HI CONTENT OF THE UNIVERSE OVER THE PAST 10 GYR. Astrophysical Journal, 2016, 818, 113.	4.5	74

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109	A high-velocity narrow absorption line outflow in the quasar J212329.46 +005052.9. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	73
110	THE FIRST OBSERVATIONS OF LOW-REDSHIFT DAMPED Ly α SYSTEMS WITH THE COSMIC ORIGINS SPECTROGRAPH. Astrophysical Journal, 2011, 732, 35.	4.5	72
111	XQ-100: A legacy survey of one hundred 3.5 z 4.5 quasars observed with VLT/X-shooter. Astronomy and Astrophysics, 2016, 594, A91.	5.1	72
112	GALEX FAR-ULTRAVIOLET COLOR SELECTION OF UV-BRIGHT HIGH-REDSHIFT QUASARS. Astrophysical Journal, 2011, 728, 23.	4.5	71
113	THE FIRST DATA RELEASE OF THE KODIAQ SURVEY. Astronomical Journal, 2015, 150, 111.	4.7	71
114	A cold, massive, rotating disk galaxy 1.5 billion years after the Big Bang. Nature, 2020, 581, 269-272.	27.8	71
115	Evidence for supernova-synthesized dust from the rising afterglow of GRB 071025 at $z \approx 5$. Monthly Notices of the Royal Astronomical Society, 2010, 406, 2473-2487.	4.4	70
116	QSO ABSORPTION SYSTEMS DETECTED IN Ne VIII: HIGH-METALLICITY CLOUDS WITH A LARGE EFFECTIVE CROSS SECTION. Astrophysical Journal, 2013, 767, 49.	4.5	70
117	LY α FOREST TOMOGRAPHY FROM BACKGROUND GALAXIES: THE FIRST MEGAPARSEC-RESOLUTION LARGE-SCALE STRUCTURE MAP AT $z \geq 2$. Astrophysical Journal Letters, 2014, 795, L12.	8.3	70
118	A giant protogalactic disk linked to the cosmic web. Nature, 2015, 524, 192-195.	27.8	70
119	A Putative Early-Type Host Galaxy for GRB 060502B: Implications for the Progenitors of Short-Duration Hard-Spectrum Bursts. Astrophysical Journal, 2007, 654, 878-884.	4.5	68
120	KECK ECHELLETTE SPECTROGRAPH AND IMAGER OBSERVATIONS OF METAL-POOR DAMPED Ly α SYSTEMS. Astrophysical Journal, 2010, 721, 1-25.	4.5	68
121	METAL-POOR, COOL GAS IN THE CIRCUMGALACTIC MEDIUM OF A $z = 2.4$ STAR-FORMING GALAXY: DIRECT EVIDENCE FOR COLD ACCRETION?. Astrophysical Journal Letters, 2013, 776, L18.	8.3	67
122	Directly imaging damped Ly α galaxies at $z \geq 2$. III. The star formation rates of neutral gas reservoirs at $z \approx 2.7$. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3178-3198.	4.4	66
123	MAPPING THE MOST MASSIVE OVERDENSITY THROUGH HYDROGEN (MAMMOTH). I. METHODOLOGY. Astrophysical Journal, 2016, 833, 135.	4.5	66
124	MUSE searches for galaxies near very metal-poor gas clouds at $z \approx 3$: new constraints for cold accretion models. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1978-1988.	4.4	66
125	Metal abundances and ionization conditions in a possibly dust-free damped Ly α system at $z = 2.3$. Astronomy and Astrophysics, 2002, 385, 778-792.	5.1	66
126	The Interstellar Medium of Gamma-Ray Burst Host Galaxies. I. Echelle Spectra of Swift GRB Afterglows. Astrophysical Journal, Supplement Series, 2007, 168, 231-267.	7.7	64

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127	CONFRONTING SIMULATIONS OF OPTICALLY THICK GAS IN MASSIVE HALOS WITH OBSERVATIONS AT $z = 2-3$. <i>Astrophysical Journal</i> , 2014, 780, 74.	4.5	64
128	DEEP HE II AND C IV SPECTROSCOPY OF A GIANT LY α NEBULA: DENSE COMPACT GAS CLUMPS IN THE CIRCUMGALACTIC MEDIUM OF A $z \approx 2$ QUASAR. <i>Astrophysical Journal</i> , 2015, 809, 163.	4.5	64
129	THE COSMIC EVOLUTION OF THE METALLICITY DISTRIBUTION OF IONIZED GAS TRACED BY LYMAN LIMIT SYSTEMS. <i>Astrophysical Journal</i> , 2016, 833, 283.	4.5	64
130	The evolution of neutral gas in damped Lyman α systems from the XQ-100 survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 4488-4505.	4.4	64
131	THE LAST EIGHT-BILLION YEARS OF INTERGALACTIC C IV EVOLUTION. <i>Astrophysical Journal</i> , 2010, 708, 868-908.	4.5	63
132	SHADOW OF A COLOSSUS: A $z = 2.44$ GALAXY PROTOCLUSTER DETECTED IN 3D Ly α FOREST TOMOGRAPHIC MAPPING OF THE COSMOS FIELD. <i>Astrophysical Journal</i> , 2016, 817, 160.	4.5	63
133	THE FIRM REDSHIFT LOWER LIMIT OF THE MOST DISTANT TeV-DETECTED BLAZAR PKS 1424+240. <i>Astrophysical Journal Letters</i> , 2013, 768, L31.	8.3	62
134	A trio of gamma-ray burst supernovae. <i>Astronomy and Astrophysics</i> , 2014, 568, A19.	5.1	62
135	LOW-METALLICITY ABSORBERS ACCOUNT FOR HALF OF THE DENSE CIRCUMGALACTIC GAS AT $z \approx 1$. <i>Astrophysical Journal</i> , 2016, 831, 95.	4.5	62
136	A Distant Fast Radio Burst Associated with Its Host Galaxy by the Very Large Array. <i>Astrophysical Journal</i> , 2020, 899, 161.	4.5	62
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