

# J Xavier Prochaska

## List of Publications by Citations

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391  
papers

22,433  
citations

80  
h-index

134  
g-index

402  
ext. papers

25,548  
ext. citations

6.5  
avg, IF

6.95  
L-index

#	Paper	IF	Citations
391	The Astropy Project: Building an Open-science Project and Status of the v2.0 Core Package. <i>Astronomical Journal</i> , <b>2018</b> , 156, 123	4.9	2084
390	Swope Supernova Survey 2017a (SSS17a), the optical counterpart to a gravitational wave source. <i>Science</i> , <b>2017</b> , 358, 1556-1558	33.3	616
389	Further evidence for cosmological evolution of the fine structure constant. <i>Physical Review Letters</i> , <b>2001</b> , 87, 091301	7.4	588
388	The large, oxygen-rich halos of star-forming galaxies are a major reservoir of galactic metals. <i>Science</i> , <b>2011</b> , 334, 948-52	33.3	380
387	THE COS-HALOS SURVEY: PHYSICAL CONDITIONS AND BARYONIC MASS IN THE LOW-REDSHIFT CIRCUMGALACTIC MEDIUM. <i>Astrophysical Journal</i> , <b>2014</b> , 792, 8	4.7	379
386	Light curves of the neutron star merger GW170817/SSS17a: Implications for r-process nucleosynthesis. <i>Science</i> , <b>2017</b> , 358, 1570-1574	33.3	352
385	LOW-RESOLUTION SPECTROSCOPY OF GAMMA-RAY BURST OPTICAL AFTERGLOWS: BIASES IN THE SWIFT SAMPLE AND CHARACTERIZATION OF THE ABSORBERS. <i>Astrophysical Journal, Supplement Series</i> , <b>2009</b> , 185, 526-573	8	276
384	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> , <b>2001</b> , 327, 1208-1222	4.3	272
383	ON THE (NON)EVOLUTION OF H I GAS IN GALAXIES OVER COSMIC TIME. <i>Astrophysical Journal</i> , <b>2009</b> , 696, 1543-1547	4.7	258
382	METALLICITY EVOLUTION OF DAMPED Ly $\alpha$ SYSTEMS OUT TO $z \sim 5$ . <i>Astrophysical Journal</i> , <b>2012</b> , 755, 89	4.7	250
381	An empirical relation between sodium absorption and dust extinction. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 426, 1465-1474	4.3	244
380	THE COS-HALOS SURVEY: RATIONALE, DESIGN, AND A CENSUS OF CIRCUMGALACTIC NEUTRAL HYDROGEN. <i>Astrophysical Journal</i> , <b>2013</b> , 777, 59	4.7	244
379	Closing in on a Short-Hard Burst Progenitor: Constraints from Early-Time Optical Imaging and Spectroscopy of a Possible Host Galaxy of GRB 050509b. <i>Astrophysical Journal</i> , <b>2006</b> , 638, 354-368	4.7	244
378	Absorption-line systems in simulated galaxies fed by cold streams. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 418, 1796-1821	4.3	233
377	THE COS-HALOS SURVEY: AN EMPIRICAL DESCRIPTION OF METAL-LINE ABSORPTION IN THE LOW-REDSHIFT CIRCUMGALACTIC MEDIUM. <i>Astrophysical Journal, Supplement Series</i> , <b>2013</b> , 204, 17	8	231
376	A cosmic web filament revealed in Lyman- $\alpha$ emission around a luminous high-redshift quasar. <i>Nature</i> , <b>2014</b> , 506, 63-6	50.4	225
375	A BUDGET AND ACCOUNTING OF METALS AT $z \sim 0$ : RESULTS FROM THE COS-HALOS SURVEY. <i>Astrophysical Journal</i> , <b>2014</b> , 786, 54	4.7	217

374	PROBING THE INTERGALACTIC MEDIUM/GALAXY CONNECTION. V. ON THE ORIGIN OF Ly $\alpha$ AND O VI ABSORPTION AT $z \sim 0.5$ . <i>Astrophysical Journal</i> , <b>2011</b> , 740, 91	4-7	217
373	EVIDENCE FOR UBIQUITOUS COLLIMATED GALACTIC-SCALE OUTFLOWS ALONG THE STAR-FORMING SEQUENCE AT $z \sim 0.5$ . <i>Astrophysical Journal</i> , <b>2014</b> , 794, 156	4-7	213
372	A single fast radio burst localized to a massive galaxy at cosmological distance. <i>Science</i> , <b>2019</b> , 365, 565-570	3-3	208
371	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> , <b>2009</b> , 702, 226-248	4-7	191
370	Early spectra of the gravitational wave source GW170817: Evolution of a neutron star merger. <i>Science</i> , <b>2017</b> , 358, 1574-1578	33-3	170
369	A census of baryons in the Universe from localized fast radio bursts. <i>Nature</i> , <b>2020</b> , 581, 391-395	50-4	167
368	THE COS-DWARFS SURVEY: THE CARBON RESERVOIR AROUND SUB-L* GALAXIES. <i>Astrophysical Journal</i> , <b>2014</b> , 796, 136	4-7	160
367	The COS-Halos Survey: Metallicities in the Low-redshift Circumgalactic Medium. <i>Astrophysical Journal</i> , <b>2017</b> , 837, 169	4-7	159
366	The first ultraviolet quasar-stacked spectrum at $z \sim 2.4$ from WFC3. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 449, 4204-4220	4-3	157
365	Electromagnetic evidence that SSS17a is the result of a binary neutron star merger. <i>Science</i> , <b>2017</b> , 358, 1583-1587	33-3	156
364	THE BIMODAL METALLICITY DISTRIBUTION OF THE COOL CIRCUMGALACTIC MEDIUM AT $z \sim 1$ . <i>Astrophysical Journal</i> , <b>2013</b> , 770, 138	4-7	154
363	THE HOST GALAXIES OF SWIFT DARK GAMMA-RAY BURSTS: OBSERVATIONAL CONSTRAINTS ON HIGHLY OBSCURED AND VERY HIGH REDSHIFT GRBs. <i>Astronomical Journal</i> , <b>2009</b> , 138, 1690-1708	4-9	153
362	THE CIRCUMGALACTIC MEDIUM OF MASSIVE GALAXIES AT $z \sim 3$ : A TEST FOR STELLAR FEEDBACK, GALACTIC OUTFLOWS, AND COLD STREAMS. <i>Astrophysical Journal</i> , <b>2013</b> , 765, 89	4-7	152
361	THE FIRST POSITIVE DETECTION OF MOLECULAR GAS IN A GRB HOST GALAXY. <i>Astrophysical Journal</i> , <b>2009</b> , 691, L27-L32	4-7	147
360	THE PERSISTENCE OF COOL GALACTIC WINDS IN HIGH STELLAR MASS GALAXIES BETWEEN $z \sim 1.4$ AND $\sim 1$ . <i>Astrophysical Journal</i> , <b>2010</b> , 719, 1503-1525	4-7	144
359	Galaxy evolution. Quasar quartet embedded in giant nebula reveals rare massive structure in distant universe. <i>Science</i> , <b>2015</b> , 348, 779-83	33-3	142
358	GRB 080503: IMPLICATIONS OF A NAKED SHORT GAMMA-RAY BURST DOMINATED BY EXTENDED EMISSION. <i>Astrophysical Journal</i> , <b>2009</b> , 696, 1871-1885	4-7	141
357	WHAT DRIVES THE EXPANSION OF GIANT H II REGIONS?: A STUDY OF STELLAR FEEDBACK IN 30 DORADUS. <i>Astrophysical Journal</i> , <b>2011</b> , 731, 91	4-7	140

356	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> , <b>2013</b> , 778, 128	4.7	139
355	The low density and magnetization of a massive galaxy halo exposed by a fast radio burst. <i>Science</i> , <b>2019</b> , 366, 231-234	33.3	137
354	A DEFINITIVE SURVEY FOR LYMAN LIMIT SYSTEMS AT $z \sim 3.5$ WITH THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal</i> , <b>2010</b> , 718, 392-416	4.7	132
353	Detection of pristine gas two billion years after the Big Bang. <i>Science</i> , <b>2011</b> , 334, 1245-9	33.3	126
352	Reconciling the Metallicity Distributions of Gamma-Ray Burst, Damped Ly $\alpha$ and Lyman Break Galaxies at $z \sim 2$ . <i>Astrophysical Journal</i> , <b>2008</b> , 683, 321-328	4.7	125
351	A refined measurement of the mean transmitted flux in the Ly $\alpha$ forest over 2 Months. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 430, 2067-2081	4.3	121
350	The hidden mass and large spatial extent of a post-starburst galaxy outflow. <i>Science</i> , <b>2011</b> , 334, 952-5	33.3	120
349	THE DIRECT DETECTION OF COOL, METAL-ENRICHED GAS ACCRETION ONTO GALAXIES AT $z \sim 0.5$ . <i>Astrophysical Journal Letters</i> , <b>2012</b> , 747, L26	7.9	119
348	OBSERVATIONS OF THE NAKED-EYE GRB 080319B: IMPLICATIONS OF NATURE'S BRIGHTEST EXPLOSION. <i>Astrophysical Journal</i> , <b>2009</b> , 691, 723-737	4.7	119
347	DUST EXTINCTION IN HIGH- $z$ GALAXIES WITH GAMMA-RAY BURST AFTERGLOW SPECTROSCOPY: THE 2175 Å FEATURE AT $z = 2.45$ . <i>Astrophysical Journal</i> , <b>2009</b> , 697, 1725-1740	4.7	119
346	The Giant Gemini GMOS survey of $z_{em} > 4.4$ quasars. Measuring the mean free path across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 1745-1760	4.3	118
345	AFTERGLOW OBSERVATIONS OFFER MIDDLE-SCALE TELESCOPE GAMMA-RAY BURSTS AND THE EMERGING CLASS OF HYPER-ENERGETIC EVENTS. <i>Astrophysical Journal</i> , <b>2011</b> , 732, 29	4.7	116
344	NOT DEAD YET: COOL CIRCUMGALACTIC GAS IN THE HALOS OF EARLY-TYPE GALAXIES. <i>Astrophysical Journal Letters</i> , <b>2012</b> , 758, L41	7.9	114
343	The neutral hydrogen cosmological mass density at $z = 5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 452, 217-234	4.3	113
342	magic haloes: confronting simulations with observations of the circumgalactic medium at $z = 0$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 425, 1270-1277	4.3	112
341	A DIRECT MEASUREMENT OF THE INTERGALACTIC MEDIUM OPACITY TO H I IONIZING PHOTONS. <i>Astrophysical Journal</i> , <b>2009</b> , 705, L113-L117	4.7	112
340	Further constraints on variation of the fine-structure constant from alkali-doublet QSO absorption lines. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2001</b> , 327, 1237-1243	4.3	109
339	Possible evidence for a variable fine-structure constant from QSO absorption lines: systematic errors. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2001</b> , 327, 1223-1236	4.3	103

338	THE COS-HALOS SURVEY: ORIGINS OF THE HIGHLY IONIZED CIRCUMGALACTIC MEDIUM OF STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , <b>2016</b> , 833, 54	4.7	103
337	Large Excess of Heavy Nitrogen in Both Hydrogen Cyanide and Cyanogen from Comet 17P/Holmes. <i>Astrophysical Journal</i> , <b>2008</b> , 679, L49-L52	4.7	101
336	The Troublesome Broadband Evolution of GRB 061126: Does a Gray Burst Imply Gray Dust?. <i>Astrophysical Journal</i> , <b>2008</b> , 672, 449-464	4.7	100
335	QUASARS PROBING QUASARS. VI. EXCESS H I ABSORPTION WITHIN ONE PROPER Mpc OF $z \sim 2$ QUASARS. <i>Astrophysical Journal</i> , <b>2013</b> , 776, 136	4.7	99
334	Correcting $C_{\text{IV}}$ -based virial black hole masses. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 2120-2142	4.3	94
333	THE RAPID DECLINE IN METALLICITY OF DAMPED Ly $\alpha$ SYSTEMS AT $z \sim 5$ . <i>Astrophysical Journal Letters</i> , <b>2014</b> , 782, L29	7.9	93
332	SIMPLE MODELS OF METAL-LINE ABSORPTION AND EMISSION FROM COOL GAS OUTFLOWS. <i>Astrophysical Journal</i> , <b>2011</b> , 734, 24	4.7	92
331	QUASARS PROBING QUASARS. III. NEW CLUES TO FEEDBACK, QUENCHING, AND THE PHYSICS OF MASSIVE GALAXY FORMATION. <i>Astrophysical Journal</i> , <b>2009</b> , 690, 1558-1584	4.7	92
330	THE FUNDAMENTAL PLANE OF DAMPED Ly $\alpha$ SYSTEMS. <i>Astrophysical Journal</i> , <b>2013</b> , 769, 54	4.7	91
329	EVIDENCE FOR COLD ACCRETION: PRIMITIVE GAS FLOWING ONTO A GALAXY AT $z \sim 0.274$ . <i>Astrophysical Journal</i> , <b>2011</b> , 743, 207	4.7	90
328	The Galaxy Hosts and Large-Scale Environments of Short-Hard Gamma-Ray Bursts. <i>Astrophysical Journal</i> , <b>2006</b> , 642, 989-994	4.7	90
327	An infrared flash contemporaneous with the gamma-rays of GRB 041219a. <i>Nature</i> , <b>2005</b> , 435, 181-4	50.4	90
326	Implications of $z \sim 6$ Quasar Proximity Zones for the Epoch of Reionization and Quasar Lifetimes. <i>Astrophysical Journal</i> , <b>2017</b> , 840, 24	4.7	89
325	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> , <b>2015</b> , 446, 18-37	4.3	89
324	MASE: A New Data-Reduction Pipeline for the Magellan Echellette Spectrograph. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2009</b> , 121, 1409-1418	5	88
323	The survival of gas clouds in the circumgalactic medium of Milky Way-like galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 114-125	4.3	87
322	The spin temperature of high-redshift damped Lyman $\alpha$ systems. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 438, 2131-2166	4.3	87
321	A Neutron Star Binary Merger Model for GW170817/GRB 170817A/SSS17a. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L34	7.9	86

320	Keck telescope constraint on cosmological variation of the proton-to-electron mass ratio. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 403, 1541-1555	4.3	85
319	QUASARS PROBING QUASARS. VII. THE PINNACLE OF THE COOL CIRCUMGALACTIC MEDIUM SURROUNDS MASSIVE $z \sim 2$ GALAXIES. <i>Astrophysical Journal</i> , <b>2014</b> , 796, 140	4.7	84
318	MOLECULAR HYDROGEN DEFICIENCY IN H I-POOR GALAXIES AND ITS IMPLICATIONS FOR STAR FORMATION. <i>Astrophysical Journal</i> , <b>2009</b> , 697, 1811-1821	4.7	83
317	A UNIVERSAL DENSITY STRUCTURE FOR CIRCUMGALACTIC GAS. <i>Astrophysical Journal</i> , <b>2016</b> , 830, 87	4.7	82
316	A new comprehensive set of elemental abundances in DLAs. <i>Astronomy and Astrophysics</i> , <b>2006</b> , 445, 93-113	4.3	81
315	Discovery of an Enormous Ly $\alpha$ Nebula in a Massive Galaxy Overdensity at $z = 2.3$ . <i>Astrophysical Journal</i> , <b>2017</b> , 837, 71	4.7	80
314	THE ROLE OF STELLAR FEEDBACK IN THE DYNAMICS OF H II REGIONS. <i>Astrophysical Journal</i> , <b>2014</b> , 795, 121	4.7	80
313	LOW-IONIZATION LINE EMISSION FROM A STARBURST GALAXY: A NEW PROBE OF A GALACTIC-SCALE OUTFLOW. <i>Astrophysical Journal</i> , <b>2011</b> , 728, 55	4.7	80
312	THE END OF HELIUM REIONIZATION AT $z \approx 2.7$ INFERRED FROM COSMIC VARIANCE IN HST /COS He II Ly $\alpha$ ABSORPTION SPECTRA. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 733, L24	7.9	80
311	QUASARS PROBING QUASARS. IV. JOINT CONSTRAINTS ON THE CIRCUMGALACTIC MEDIUM FROM ABSORPTION AND EMISSION. <i>Astrophysical Journal</i> , <b>2013</b> , 766, 58	4.7	79
310	GALACTIC AND CIRCUMGALACTIC O VI AND ITS IMPACT ON THE COSMOLOGICAL METAL AND BARYON BUDGETS AT $z \sim 2$ . <i>Astrophysical Journal</i> , <b>2014</b> , 788, 119	4.7	78
309	A SUBSTANTIAL MASS OF COOL, METAL-ENRICHED GAS SURROUNDING THE PROGENITORS OF MODERN-DAY ELLIPTICALS. <i>Astrophysical Journal Letters</i> , <b>2013</b> , 762, L19	7.9	77
308	EARLY AND EXTENDED HELIUM REIONIZATION OVER MORE THAN 600 MILLION YEARS OF COSMIC TIME. <i>Astrophysical Journal</i> , <b>2016</b> , 825, 144	4.7	77
307	WAVELENGTH ACCURACY OF THE KECK HIRES SPECTROGRAPH AND MEASURING CHANGES IN THE FINE STRUCTURE CONSTANT. <i>Astrophysical Journal</i> , <b>2010</b> , 708, 158-170	4.7	75
306	Hypernova Signatures in the Late Rebrightening of GRB 050525A. <i>Astrophysical Journal</i> , <b>2006</b> , 642, L103-L106	4.1	75
305	A comprehensive set of elemental abundances in damped Ly $\alpha$ systems: Revealing the nature of these high-redshift galaxies. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 416, 79-110	5.1	75
304	DISSECTING THE PROPERTIES OF OPTICALLY THICK HYDROGEN AT THE PEAK OF COSMIC STAR FORMATION HISTORY. <i>Astrophysical Journal</i> , <b>2013</b> , 775, 78	4.7	73
303	Probing Galactic haloes with fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> ,	4.3	71

302	GRB 090426: the environment of a rest-frame 0.35-s gamma-ray burst at a redshift of 2.609. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 401, 963-972	4.3	71
301	THE COS-HALOS SURVEY: KECK LRIS AND MAGELLAN MagE OPTICAL SPECTROSCOPY. <i>Astrophysical Journal, Supplement Series</i> , <b>2012</b> , 198, 3	8	70
300	THE HST/ACS+WFC3 SURVEY FOR LYMAN LIMIT SYSTEMS. II. SCIENCE. <i>Astrophysical Journal</i> , <b>2013</b> , 765, 137	4.7	68
299	THE FIRST OBSERVATIONS OF LOW-REDSHIFT DAMPED Ly $\alpha$ SYSTEMS WITH THE COSMIC ORIGINS SPECTROGRAPH. <i>Astrophysical Journal</i> , <b>2011</b> , 732, 35	4.7	68
298	GALEX-FAR-ULTRAVIOLET COLOR SELECTION OF UV-BRIGHT HIGH-REDSHIFT QUASARS. <i>Astrophysical Journal</i> , <b>2011</b> , 728, 23	4.7	67
297	Significant and variable linear polarization during the prompt optical flash of GRB 160625B. <i>Nature</i> , <b>2017</b> , 547, 425-427	50.4	67
296	QSO ABSORPTION SYSTEMS DETECTED IN Ne VIII: HIGH-METALLICITY CLOUDS WITH A LARGE EFFECTIVE CROSS SECTION. <i>Astrophysical Journal</i> , <b>2013</b> , 767, 49	4.7	65
295	Evidence for supernova-synthesized dust from the rising afterglow of GRB 071025 at $z \sim 5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 406, 2473-2487	4.3	65
294	Metal abundances and ionization conditions in a possibly dust-free damped Ly $\alpha$ system at $z = 2.3$ . <i>Astronomy and Astrophysics</i> , <b>2002</b> , 385, 778-792	5.1	65
293	QSO MUSEUM I: a sample of 61 extended Ly $\alpha$ emission nebulae surrounding $z \sim 3$ quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 3162-3205	4.3	64
292	Host Galaxy Properties and Offset Distributions of Fast Radio Bursts: Implications for Their Progenitors. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 152	4.7	64
291	The Host Galaxies and Progenitors of Fast Radio Bursts Localized with the Australian Square Kilometre Array Pathfinder. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 895, L37	7.9	63
290	The Interstellar Medium of Gamma-Ray Burst Host Galaxies. I. Echelle Spectra of Swift GRB Afterglows. <i>Astrophysical Journal, Supplement Series</i> , <b>2007</b> , 168, 231-267	8	63
289	METAL-POOR, COOL GAS IN THE CIRCUMGALACTIC MEDIUM OF A $z = 2.4$ STAR-FORMING GALAXY: DIRECT EVIDENCE FOR COLD ACCRETION?. <i>Astrophysical Journal Letters</i> , <b>2013</b> , 776, L18	7.9	62
288	MULTIPHASE GAS IN GALAXY HALOS: THE O vi LYMAN-LIMIT SYSTEM TOWARD J1009+0713*. <i>Astrophysical Journal</i> , <b>2011</b> , 733, 111	4.7	62
287	The physical properties of $z > 2$ Lyman limit systems: new constraints for feedback and accretion models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 4100-4121	4.3	61
286	Mapping the Most Massive Overdensities through Hydrogen (MAMMOTH). II. Discovery of the Extremely Massive Overdensity BOSS1441 at $z = 2.32$ . <i>Astrophysical Journal</i> , <b>2017</b> , 839, 131	4.7	61
285	KECK ECHELLETTE SPECTROGRAPH AND IMAGER OBSERVATIONS OF METAL-POOR DAMPED Ly $\alpha$ SYSTEMS. <i>Astrophysical Journal</i> , <b>2010</b> , 721, 1-25	4.7	61

284	A Putative Early-Type Host Galaxy for GRB 060502B: Implications for the Progenitors of Short-Duration Hard-Spectrum Bursts. <i>Astrophysical Journal</i> , <b>2007</b> , 654, 878-884	4.7	61
283	A giant protogalactic disk linked to the cosmic web. <i>Nature</i> , <b>2015</b> , 524, 192-5	50.4	60
282	A DEEP SEARCH FOR FAINT GALAXIES ASSOCIATED WITH VERY LOW REDSHIFT CIV ABSORBERS. III. THE MASS- AND ENVIRONMENT-DEPENDENT CIRCUMGALACTIC MEDIUM. <i>Astrophysical Journal</i> , <b>2016</b> , 832, 124	4.7	60
281	THE HI CONTENT OF THE UNIVERSE OVER THE PAST 10 GYR. <i>Astrophysical Journal</i> , <b>2016</b> , 818, 113	4.7	60
280	A high-velocity narrow absorption line outflow in the quasar J212329.46 +005052.9. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , no-no	4.3	59
279	Directly imaging damped Ly $\alpha$ galaxies at $z > 2$ . III. The star formation rates of neutral gas reservoirs at $z \sim 2.7$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 446, 3178-3198	4.3	58
278	LY $\alpha$ FOREST TOMOGRAPHY FROM BACKGROUND GALAXIES: THE FIRST MEGAPARSEC-RESOLUTION LARGE-SCALE STRUCTURE MAP AT $z > 2$ . <i>Astrophysical Journal Letters</i> , <b>2014</b> , 795, L12	7.9	57
277	THE FIRST DATA RELEASE OF THE KODIAQ SURVEY. <i>Astronomical Journal</i> , <b>2015</b> , 150, 111	4.9	56
276	CONFRONTING SIMULATIONS OF OPTICALLY THICK GAS IN MASSIVE HALOS WITH OBSERVATIONS AT $z = 2-3$ . <i>Astrophysical Journal</i> , <b>2014</b> , 780, 74	4.7	56
275	THE FIRM REDSHIFT LOWER LIMIT OF THE MOST DISTANT TeV-DETECTED BLAZAR PKS 1424+240. <i>Astrophysical Journal Letters</i> , <b>2013</b> , 768, L31	7.9	56
274	MONSTER IN THE DARK: THE ULTRALUMINOUS GRB 080607 AND ITS DUSTY ENVIRONMENT. <i>Astronomical Journal</i> , <b>2011</b> , 141, 36	4.9	56
273	THE LAST EIGHT-BILLION YEARS OF INTERGALACTIC CIV EVOLUTION. <i>Astrophysical Journal</i> , <b>2010</b> , 708, 868-908	4.7	56
272	Inspiraling halo accretion mapped in Ly $\alpha$ emission around a $z \sim 2$ quasar. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 473, 3907-3940	4.3	56
271	A trio of gamma-ray burst supernovae. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 568, A19	5.1	55
270	THE GAS-GALAXY CONNECTION AT $z_{\text{abs}} = 0.35$ : O VI AND HI ABSORPTION TOWARD J 0943+0531. <i>Astrophysical Journal</i> , <b>2011</b> , 736, 1	4.7	54
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9	Monte Carlo Physarum Machine: Characteristics of Pattern Formation in Continuous Stochastic Transport Networks.. <i>Artificial Life</i> , <b>2021</b> , 1-36	1.4	1
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6	Deep Learning of Dark Energy Spectroscopic Instrument Mock Spectra to Find Damped Ly $\alpha$ Systems. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 259, 28	8	0
5	FLASHLIGHT: Fluorescent Lyman-Alpha Survey of cosmic Hydrogen illuminated by high-redshift quasars.. <i>Proceedings of the International Astronomical Union</i> , <b>2013</b> , 9, 253-256	0.1	
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