

Max Pettini

List of Publications by Year in descending order

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84
papers

16,092
citations

38660

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86
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docs citations

86
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4703
citing authors

#	ARTICLE	IF	CITATIONS
1	Lyman Break Galaxies at Redshift $z \sim 2-3$. <i>Astrophysical Journal</i> , 2006, 644, 813-828.	1.6	1,303
2	Rest-Frame Ultraviolet Spectra of Lyman Break Galaxies: Star Formation, Extinction, Abundances, and Kinematics. <i>Astrophysical Journal</i> , 2001, 554, 981-1000.	1.6	1,159
3	The Mass-Metallicity Relation at $z \sim 2$. <i>Astrophysical Journal</i> , 2006, 644, 813-828.	1.6	879
4	THE STRUCTURE AND KINEMATICS OF THE CIRCUMGALACTIC MEDIUM FROM FAR-ULTRAVIOLET SPECTRA OF $z \sim 2-3$ GALAXIES. <i>Astrophysical Journal</i> , 2010, 717, 289-322.	1.6	866
5	The Rest-Frame Optical Spectra of Lyman Break Galaxies: Star Formation, Extinction, Abundances, and Kinematics. <i>Astrophysical Journal</i> , 2001, 554, 981-1000.	1.6	662
6	Spectroscopic Confirmation of a Population of Normal Star-forming Galaxies at Redshifts $z > 3$. <i>Astrophysical Journal</i> , 1996, 462, L17-L21.	1.6	660
7	Lyman Break Galaxies at Redshift $z \sim 3$: Survey Description and Full Data Set. <i>Astrophysical Journal</i> , 2003, 592, 728-754.	1.6	598
8	STRONG NEBULAR LINE RATIOS IN THE SPECTRA OF $z \sim 2-3$ STAR FORMING GALAXIES: FIRST RESULTS FROM KBSS-MOSFIRE. <i>Astrophysical Journal</i> , 2014, 795, 165.	1.6	508
9	A Survey of Star-forming Galaxies in the $1.4 < z < 2.5$ Redshift Desert: Overview. <i>Astrophysical Journal</i> , 2003, 604, 534-550.	1.6	502
10	Spectroscopic Confirmation of a Population of Normal Star-forming Galaxies at Redshifts $z > 3$. <i>Astrophysical Journal</i> , 1996, 462, L17-L21.	1.6	455
11	The Stellar, Gas, and Dynamical Masses of Star-forming Galaxies at $z \sim 2$. <i>Astrophysical Journal</i> , 2006, 646, 107-132.	1.6	442
12	Galaxies and Intergalactic Matter at Redshift $z \sim 3$: Overview. <i>Astrophysical Journal</i> , 2003, 584, 45-75.	1.6	426
13	The Ultraviolet Spectrum of MS 1512-058: An Insight into Lyman Break Galaxies. <i>Astrophysical Journal</i> , 2000, 528, 96-107.	1.6	365
14	Multiwavelength Constraints on the Cosmic Star Formation History from Spectroscopy: The Rest-Frame Ultraviolet, H α , and Infrared Luminosity Functions at Redshifts $1.9 < z < 3.4$. <i>Astrophysical Journal</i> , Supplement Series, 2008, 175, 48-85.	1.6	360
15	New Observations of the Interstellar Medium in the Lyman Break Galaxy MS 1512-058. <i>Astrophysical Journal</i> , 2002, 569, 742-757.	1.6	351
16	H α Observations of a Large Sample of Galaxies at $z \sim 2$: Implications for Star Formation in High-Redshift Galaxies. <i>Astrophysical Journal</i> , 2006, 647, 128-139.	1.6	344
17	RECONCILING THE STELLAR AND NEBULAR SPECTRA OF HIGH-REDSHIFT GALAXIES*. <i>Astrophysical Journal</i> , 2016, 826, 159.	1.6	314
18	Evidence of patchy hydrogen reionization from an extreme Ly α trough below redshift six. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 3402-3419.	1.6	307

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19	DIFFUSE Ly α EMITTING HALOS: A GENERIC PROPERTY OF HIGH-REDSHIFT STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2011, 736, 160.	1.6	298
20	The Spatial Clustering of Star-forming Galaxies at Redshifts 1.4 $\leq z \leq$ 3.5. <i>Astrophysical Journal</i> , 2005, 619, 697-713.	1.6	291
21	Star Formation and Extinction in Redshift $z \sim 1/2$ Galaxies: Inferences from Spitzer/MIPS Observations. <i>Astrophysical Journal</i> , 2006, 644, 792-812.	1.6	287
22	Ultraviolet to Mid-Infrared Observations of Star-forming Galaxies at $z \sim 1/4$: Stellar Masses and Stellar Populations. <i>Astrophysical Journal</i> , 2005, 626, 698-722.	1.6	280
23	THE GASEOUS ENVIRONMENT OF HIGH- z GALAXIES: PRECISION MEASUREMENTS OF NEUTRAL HYDROGEN IN THE CIRCUMGALACTIC MEDIUM OF $z \sim 1/4$ 2-3 GALAXIES IN THE KECK BARYONIC STRUCTURE SURVEY. <i>Astrophysical Journal</i> , 2012, 750, 67.	1.6	267
24	THE CHARACTERISTIC STAR FORMATION HISTORIES OF GALAXIES AT REDSHIFTS $z \sim 1/4$ 2-7. <i>Astrophysical Journal</i> , 2012, 754, 25.	1.6	256
25	The Connection between Galaxies and Intergalactic Absorption Lines at Redshift $2 \leq z \leq 3$. <i>Astrophysical Journal</i> , 2005, 629, 636-653.	1.6	240
26	PHYSICAL CONDITIONS IN A YOUNG, UNREDDENED, LOW-METALLICITY GALAXY AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2010, 719, 1168-1190.	1.6	239
27	Optical Selection of Star-forming Galaxies at Redshifts $1 < z < 3$. <i>Astrophysical Journal</i> , 2004, 607, 226-240.	1.6	201
28	The Keck Lyman Continuum Spectroscopic Survey (KLCS): The Emergent Ionizing Spectrum of Galaxies at $z \sim 1/3$. <i>Astrophysical Journal</i> , 2018, 869, 123.	1.6	201
29	Nebular Emission Line Ratios in $z \sim 1/3$ Star-forming Galaxies with KBSS-MOSFIRE: Exploring the Impact of Ionization, Excitation, and Nitrogen-to-Oxygen Ratio $\langle \text{N/O} \rangle$. <i>Astrophysical Journal</i> , 2017, 836, 164.	1.6	192
30	Dust in High-Redshift Galaxies. <i>Astrophysical Journal</i> , 1997, 478, 536-541.	1.6	164
31	The most metal-poor damped Ly α systems: insights into chemical evolution in the very metal-poor regime.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 1534-1558.	1.6	149
32	C, N, O abundances in the most metal-poor damped Lyman alpha systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 385, 2011-2024.	1.6	144
33	REST-FRAME OPTICAL SPECTRA OF THREE STRONGLY LENSED GALAXIES AT $z \sim 1/2$. <i>Astrophysical Journal</i> , 2009, 701, 52-65.	1.6	142
34	THE RELATIONSHIP BETWEEN STELLAR POPULATIONS AND Ly α EMISSION IN LYMAN BREAK GALAXIES. <i>Astrophysical Journal</i> , 2010, 711, 693-710.	1.6	141
35	The Physical Nature of Rest-UV Galaxy Morphology during the Peak Epoch of Galaxy Formation. <i>Astrophysical Journal</i> , 2007, 656, 1-26.	1.6	133
36	The ultraviolet spectrum of the gravitationally lensed galaxy "the Cosmic Horseshoe": a close-up of a star-forming galaxy at $z \sim 1/2$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 1263-1278.	1.6	118

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37	A downturn in intergalactic C iv as redshift 6 is approached. Monthly Notices of the Royal Astronomical Society, 2009, 395, 1476-1490.	1.6	117
38	Spectral Modeling of Star-forming Regions in the Ultraviolet: Stellar Metallicity Diagnostics for High-redshift Galaxies. Astrophysical Journal, 2004, 615, 98-117.	1.6	110
39	THE COLUMN DENSITY DISTRIBUTION AND CONTINUUM OPACITY OF THE INTERGALACTIC AND CIRCUMGALACTIC MEDIUM AT REDSHIFT $z = 2.4$. Astrophysical Journal, 2013, 769, 146.	1.6	107
40	THE PRIMORDIAL DEUTERIUM ABUNDANCE OF THE MOST METAL-POOR DAMPED Ly α SYSTEM. Astrophysical Journal, 2016, 830, 148.	1.6	106
41	Damped Lyman α systems in galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2008, , .	1.6	100
42	Measuring the Physical Conditions in High-redshift Star-forming Galaxies: Insights from KBSS-MOSFIRE. Astrophysical Journal, 2018, 868, 117.	1.6	94
43	A Window on the Earliest Star Formation: Extreme Photoionization Conditions of a High-ionization, Low-metallicity Lensed Galaxy at $z \approx 1/4$. Astrophysical Journal, 2018, 859, 164.	1.6	87
44	THE TEMPERATURE-DENSITY RELATION IN THE INTERGALACTIC MEDIUM AT REDSHIFT $z = 2.4$. Astrophysical Journal Letters, 2012, 757, L30.	3.0	81
45	Column Density, Kinematics, and Thermal State of Metal-bearing Gas within the Virial Radius of $z \approx 1/4$ Star-forming Galaxies in the Keck Baryonic Structure Survey. Astrophysical Journal, 2019, 885, 61.	1.6	69
46	THE MOST METAL-POOR DAMPED Ly α SYSTEMS: AN INSIGHT INTO DWARF GALAXIES AT HIGH-REDSHIFT. Astrophysical Journal, 2015, 800, 12.	1.6	59
47	A study of interstellar gas and stars in the gravitationally lensed galaxy "the Cosmic Eye" from rest-frame ultraviolet spectroscopy. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1467-1479.	1.6	58
48	A HIGH FRACTION OF Ly α EMITTERS AMONG GALAXIES WITH EXTREME EMISSION LINE RATIOS AT $z \approx 1/4$. Astrophysical Journal, 2016, 830, 52.	1.6	56
49	Testing metallicity indicators at $z \approx 1.4$ with the gravitationally lensed galaxy CASSOWARY.... Monthly Notices of the Royal Astronomical Society, 2014, 440, 1794-1809.	1.6	55
50	The Redshift Evolution of Rest-UV Spectroscopic Properties in Lyman-break Galaxies at $z \approx 1/4$. Astrophysical Journal, 2018, 860, 75.	1.6	55
51	Nature of the absorbing gas associated with a galaxy group at $z \approx 0.4$. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2053-2065.	1.6	52
52	Multiphase circumgalactic medium probed with MUSE and ALMA. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1595-1613.	1.6	48
53	Uncovering blue diffuse dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2687-2703.	1.6	45
54	The Evolution of O i over $3.2 < z < 6.5$: Reionization of the Circumgalactic Medium. Astrophysical Journal, 2019, 883, 163.	1.6	45

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55	The KLEVER Survey: spatially resolved metallicity maps and gradients in a sample of $1.2 < z < 2.5$ lensed galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 492, 821-842.	1.6	44
56	A carbon-enhanced metal-poor damped Ly α system: probing gas from Population III nucleosynthesis? Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	1.6	43
57	Observational signatures of a warped disk associated with cold-flow accretion. Monthly Notices of the Royal Astronomical Society, 2018, 474, 254-270.	1.6	42
58	The Keck Baryonic Structure Survey: using foreground/background galaxy pairs to trace the structure and kinematics of circumgalactic neutral hydrogen at $z \sim 2$. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1721-1746.	1.6	37
59	Discovery of the most metal-poor damped Lyman- α system. Monthly Notices of the Royal Astronomical Society, 0, , stx037.	1.6	36
60	MUSE-ALMA haloes V: physical properties and environment of $z \sim 1.4$ quasar absorbers. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2347-2368.	1.6	35
61	Discovery of 21-cm absorption in a $z = 2.289$ damped Lyman α system towards TXS 0311+430: the first low spin temperature absorber at $z > 1$. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 382, L53-L57.	1.2	30
62	Blue diffuse dwarf galaxies: a clearer picture. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3977-4015.	1.6	29
63	The CGM and IGM at $z \sim 5$: metal budget and physical connection. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4940-4959.	1.6	28
64	CASSOWARY α 20: a wide separation Einstein Cross identified with the X-shooter spectrograph. Monthly Notices of the Royal Astronomical Society, 2010, 402, 2335-2343.	1.6	24
65	The effect of dust bias on the census of neutral gas and metals in the high-redshift Universe due to SDSS-II quasar colour selection. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4377-4397.	1.6	23
66	A Lyman limit system associated with galactic winds? Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	19
67	Mapping UV properties throughout the Cosmic Horseshoe: lessons from VLT-MUSE. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1726-1740.	1.6	16
68	A bound on the $^{12}\text{C}/^{13}\text{C}$ ratio in near-pristine gas with ESPRESSO. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1411-1423.	1.6	16
69	Subkiloparsec Imaging of Ly α Emission in a Low-mass, Highly Ionized, Gravitationally Lensed Galaxy at $z = 1.84$. Astrophysical Journal, 2019, 884, 7.	1.6	16
70	The comoving mass density of Mg II from $z \sim 2$ to 5.5. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1023-1051.	1.6	12
71	Measurements of Ca II absorption, metals and dust in a sample of ~ 1 DLAs and subDLAs. Monthly Notices of the Royal Astronomical Society, 2008, , .	1.6	11
72	Oxygen-enhanced Extremely Metal-poor Damped Ly α Systems: A Signpost of the First Stars?. Astrophysical Journal, 2022, 929, 158.	1.6	10

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73	A search for damped Lyman systems towards radio-loud quasars I: the optical survey. Monthly Notices of the Royal Astronomical Society, 2008, , ???-???.	1.6	6
74	Metals in the Intergalactic Medium. Astrophysics and Space Science, 2001, 277, 555-560.	0.5	5
75	A limit on Planck-scale froth with ESPRESSO. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4884-4890.	1.6	5
76	Reconciling the results of the $z \approx 2$ MOSDEF and KBSS-MOSFIRE Surveys. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3871-3892.	1.6	5
77	Primordial Helium-3 Redux: The Helium Isotope Ratio of the Orion Nebula*. Astrophysical Journal, 2022, 932, 60.	1.6	5
78	The First Stars: clues from quasar absorption systems. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 2735-2751.	1.0	4
79	SDSS J1059+4251, a Highly Magnified $z \approx 2.8$ Star-forming Galaxy: ESI Observations of the Rest-frame UV Spectrum. Astrophysical Journal, 2021, 922, 187.	1.6	2
80	Galaxies at high redshifts: where are the progenitors of today's dwarf ellipticals?. Proceedings of the International Astronomical Union, 2005, 1, 164-172.	0.0	0
81	Introduction to Joint Discussion 15: Elemental Abundances in Old Stars and Damped Lyman-alpha Systems. Highlights of Astronomy, 2005, 13, 535-535.	0.0	0
82	Zn and Cr Abundances in Damped Lyman Alpha Systems from the CORALS Survey. Proceedings of the International Astronomical Union, 2005, 1, 569-574.	0.0	0
83	Massive Stars at High Redshifts. Proceedings of the International Astronomical Union, 2007, 3, 415-428.	0.0	0
84	Vacuum Ultraviolet Fourier-transform Spectroscopy of ^{16}O and ^{18}O . Astrophysical Journal, Supplement Series, 2022, 260, 37.	3.0	0