

Max Pettini

List of Publications by Year in descending order

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84
papers

16,092
citations

38660

50
h-index

66788

78
g-index

86
all docs

86
docs citations

86
times ranked

4703
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen-enhanced Extremely Metal-poor Damped Ly α Systems: A Signpost of the First Stars?. <i>Astrophysical Journal</i> , 2022, 929, 158.	1.6	10
2	Reconciling the results of the $z \sim 2$ MOSDEF and KBSS-MOSFIRE Surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3871-3892.	1.6	5
3	Vacuum Ultraviolet Fourier-transform Spectroscopy of ^{16}O and ^{18}O . <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 37.	3.0	0
4	Primordial Helium-3 Redux: The Helium Isotope Ratio of the Orion Nebula*. <i>Astrophysical Journal</i> , 2022, 932, 60.	1.6	5
5	SDSS J1059+4251, a Highly Magnified $z \sim 2.8$ Star-forming Galaxy: ESI Observations of the Rest-frame UV Spectrum. <i>Astrophysical Journal</i> , 2021, 922, 187.	1.6	2
6	The Keck Baryonic Structure Survey: using foreground/background galaxy pairs to trace the structure and kinematics of circumgalactic neutral hydrogen at $z \sim 2$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 1721-1746.	1.6	37
7	A limit on Planck-scale froth with ESPRESSO. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4884-4890.	1.6	5
8	A bound on the $^{12}\text{C}/^{13}\text{C}$ ratio in near-pristine gas with ESPRESSO. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1411-1423.	1.6	16
9	MUSE-ALMA haloes V: physical properties and environment of $z \sim 1.4$ quasar absorbers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2347-2368.	1.6	35
10	The KLEVER Survey: spatially resolved metallicity maps and gradients in a sample of $1.2 < z < 2.5$ lensed galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 821-842.	1.6	44
11	The Evolution of O I over $3.2 < z < 6.5$: Reionization of the Circumgalactic Medium. <i>Astrophysical Journal</i> , 2019, 883, 163.	1.6	45
12	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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4377-4397.	1.6	23
13	Multiphase circumgalactic medium probed with MUSE and ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1595-1613.	1.6	48
14	Column Density, Kinematics, and Thermal State of Metal-bearing Gas within the Virial Radius of $z \sim 2$ Star-forming Galaxies in the Keck Baryonic Structure Survey. <i>Astrophysical Journal</i> , 2019, 885, 61.	1.6	69
15	Subkiloparsec Imaging of Ly α Emission in a Low-mass, Highly Ionized, Gravitationally Lensed Galaxy at $z = 1.84$. <i>Astrophysical Journal</i> , 2019, 884, 7.	1.6	16
16	Measuring the Physical Conditions in High-redshift Star-forming Galaxies: Insights from KBSS-MOSFIRE. <i>Astrophysical Journal</i> , 2018, 868, 117.	1.6	94
17	The Keck Lyman Continuum Spectroscopic Survey (KLCS): The Emergent Ionizing Spectrum of Galaxies at $z \sim 3$. <i>Astrophysical Journal</i> , 2018, 869, 123.	1.6	201
18	A Window on the Earliest Star Formation: Extreme Photoionization Conditions of a High-ionization, Low-metallicity Lensed Galaxy at $z \sim 6$?. <i>Astrophysical Journal</i> , 2018, 859, 164.	1.6	87

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19	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
20	The CGM and IGM at $z \sim 1.5$: metal budget and physical connection. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4940-4959.	1.6	28
21	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
22	The Redshift Evolution of Rest-UV Spectroscopic Properties in Lyman-break Galaxies at $z \sim 1.4$. Astrophysical Journal, 2018, 860, 75.	1.6	55
23	Nebular Emission Line Ratios in $z \sim 3$ Star-forming Galaxies with KBSS-MOSFIRE: Exploring the Impact of Ionization, Excitation, and Nitrogen-to-Oxygen Ratio. Astrophysical Journal, 2017, 836, 164.	1.6	192
24	The comoving mass density of Mg II from $z \sim 1.2$ to 5.5. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1023-1051.	1.6	12
25	Nature of the absorbing gas associated with a galaxy group at $z \sim 0.4$. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2053-2065.	1.6	52
26	Blue diffuse dwarf galaxies: a clearer picture. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3977-4015.	1.6	29
27	A HIGH FRACTION OF Ly α EMITTERS AMONG GALAXIES WITH EXTREME EMISSION LINE RATIOS AT $z \sim 1.2$. Astrophysical Journal, 2016, 830, 52.	1.6	56
28	RECONCILING THE STELLAR AND NEBULAR SPECTRA OF HIGH-REDSHIFT GALAXIES*. Astrophysical Journal, 2016, 826, 159.	1.6	314
29	THE PRIMORDIAL DEUTERIUM ABUNDANCE OF THE MOST METAL-POOR DAMPED Ly α SYSTEM. Astrophysical Journal, 2016, 830, 148.	1.6	106
30	THE MOST METAL-POOR DAMPED Ly α SYSTEMS: AN INSIGHT INTO DWARF GALAXIES AT HIGH-REDSHIFT. Astrophysical Journal, 2015, 800, 12.	1.6	59
31	Uncovering blue diffuse dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2687-2703.	1.6	45
32	Evidence of patchy hydrogen reionization from an extreme Ly α trough below redshift six. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3402-3419.	1.6	307
33	Testing metallicity indicators at $z \sim 1.4$ with the gravitationally lensed galaxy CASSOWARY. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1794-1809.	1.6	55
34	STRONG NEBULAR LINE RATIOS IN THE SPECTRA OF 2-3 STAR FORMING GALAXIES: FIRST RESULTS FROM KBSS-MOSFIRE. Astrophysical Journal, 2014, 795, 165.	1.6	508
35	THE COLUMN DENSITY DISTRIBUTION AND CONTINUUM OPACITY OF THE INTERGALACTIC AND CIRCUMGALACTIC MEDIUM AT REDSHIFT $z \sim 2.4$. Astrophysical Journal, 2013, 769, 146.	1.6	107
36	THE GASEOUS ENVIRONMENT OF HIGH- z GALAXIES: PRECISION MEASUREMENTS OF NEUTRAL HYDROGEN IN THE CIRCUMGALACTIC MEDIUM OF 2-3 GALAXIES IN THE KECK BARYONIC STRUCTURE SURVEY. Astrophysical Journal, 2012, 750, 67.	1.6	267

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37	THE CHARACTERISTIC STAR FORMATION HISTORIES OF GALAXIES AT REDSHIFTS $z \sim 2-7$. <i>Astrophysical Journal</i> , 2012, 754, 25.	1.6	256
38	THE TEMPERATURE-DENSITY RELATION IN THE INTERGALACTIC MEDIUM AT REDSHIFT $z = 2.4$. <i>Astrophysical Journal Letters</i> , 2012, 757, L30.	3.0	81
39	DIFFUSE Ly α EMITTING HALOS: A GENERIC PROPERTY OF HIGH-REDSHIFT STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2011, 736, 160.	1.6	298
40	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
41	The First Stars: clues from quasar absorption systems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2011, 467, 2735-2751.	1.0	4
42	THE RELATIONSHIP BETWEEN STELLAR POPULATIONS AND Ly α EMISSION IN LYMAN BREAK GALAXIES. <i>Astrophysical Journal</i> , 2010, 711, 693-710.	1.6	141
43	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
44	PHYSICAL CONDITIONS IN A YOUNG, UNREDDENED, LOW-METALLICITY GALAXY AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2010, 719, 1168-1190.	1.6	239
45	A carbon-enhanced metal-poor damped Ly α system: probing gas from Population III nucleosynthesis?... <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	1.6	43
46	A study of interstellar gas and stars in the gravitationally lensed galaxy "the Cosmic Eye"™ from rest-frame ultraviolet spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1467-1479.	1.6	58
47	CASSOWARY α : a wide separation Einstein Cross identified with the X-shooter spectrograph. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 2335-2343.	1.6	24
48	REST-FRAME OPTICAL SPECTRA OF THREE STRONGLY LENSED GALAXIES AT $z \sim 2$. <i>Astrophysical Journal</i> , 2009, 701, 52-65.	1.6	142
49	A downturn in intergalactic C α iv as redshift 6 is approached. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 1476-1490.	1.6	117
50	The ultraviolet spectrum of the gravitationally lensed galaxy "the Cosmic Horseshoe"™: a close-up of a star-forming galaxy at $z \sim 2$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 1263-1278.	1.6	118
51	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
52	A search for damped Lyman systems towards radio-loud quasars I: the optical survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, , ???-???	1.6	6
53	Damped Lyman α systems in galaxy formation simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, , .	1.6	100
54	Measurements of Ca α ii absorption, metals and dust in a sample of $z < 1$ DLAs and subDLAs... <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, , .	1.6	11

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73	Lyman Break Galaxies at Redshift $z \approx 3$: Survey Description and Full Data Set. <i>Astrophysical Journal</i> , 2003, 592, 728-754.	1.6	598
74	Galaxies and Intergalactic Matter at Redshift $z \approx 3$: Overview. <i>Astrophysical Journal</i> , 2003, 584, 45-75.	1.6	426
75	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
76	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
77	Metals in the Intergalactic Medium. <i>Astrophysics and Space Science</i> , 2001, 277, 555-560.	0.5	5
78	The Ultraviolet Spectrum of MS 1512-058: An Insight into Lyman Break Galaxies. <i>Astrophysical Journal</i> , 2000, 528, 96-107.	1.6	365
79	Lyman Break Galaxies at Redshift $z \approx 3$: Survey Description and Full Data Set. <i>Astrophysical Journal</i> , 2003, 592, 728-754.	1.6	1,303
80	Dust in High-Redshift Galaxies. <i>Astrophysical Journal</i> , 1997, 478, 536-541.	1.6	164
81	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
82	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
83	Discovery of the most metal-poor damped Lyman- α system. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx037.	1.6	36
84	A Lyman limit system associated with galactic winds... <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	19