

CÃ©line PÃ©roux

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

4,292
citations

109137

35
h-index

106150

65
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73
all docs

73
docs citations

73
times ranked

3442
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic and molecular gas from the epoch of reionisation down to redshift 2. <i>Astronomy and Astrophysics</i> , 2022, 657, A47.	2.1	11
2	The column densities of molecular gas across cosmic time: bridging observations and simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4736-4751.	1.6	6
3	Observed cosmic evolution of galaxy dust properties with metallicity and tensions with models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1531-1543.	1.6	16
4	Observations of cold extragalactic gas clouds at $\langle z \rangle = 0.45$ towards PKS 1610-771. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3638-3650.	1.6	2
5	Primordial Helium-3 Redux: The Helium Isotope Ratio of the Orion Nebula*. <i>Astrophysical Journal</i> , 2022, 932, 60.	1.6	5
6	Late-time cosmic evolution of dust: solving the puzzle. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 4537-4543.	1.6	12
7	Metals and a search for molecules in the distant Universe: Magellan mike observations of sub-DLAs at $2 < z < 3$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 731-743.	1.6	0
8	MUSE-ALMA haloes VI: coupling atomic, ionized, and molecular gas kinematics of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4746-4761.	1.6	11
9	H ₂ molecular gas absorption-selected systems trace CO molecular gas-rich galaxy overdensities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 514-522.	1.6	4
10	Clumpiness of observed and simulated cold circumgalactic gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 6195-6205.	1.6	7
11	Cosmic metal density evolution in neutral gas: insights from observations and cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 3535-3550.	1.6	16
12	Metal-enriched galaxies in the first ~ 1 billion years: evidence of a smooth metallicity evolution at $z \sim 5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1008-1025.	1.6	11
13	Tracing the 107 K warm-hot intergalactic medium with UV absorption lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5230-5240.	1.6	4
14	The Cosmic Baryon and Metal Cycles. <i>Annual Review of Astronomy and Astrophysics</i> , 2020, 58, 363-406.	8.1	157
15	Predictions for the angular dependence of gas mass flow rate and metallicity in the circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 2462-2473.	1.6	58
16	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
17	Into the Ly α jungle: exploring the circumgalactic medium of galaxies at $z \sim 4-5$ with MUSE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 5336-5356.	1.6	17
18	Resolved scaling relations and metallicity gradients on sub-kiloparsec scales at $z \sim 1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 224-240.	1.6	20

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19	Emission from the circumgalactic medium: from cosmological zoom-in simulations to multiwavelength observables. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2417-2438.	1.6	24
20	The MUSE Ultra Deep Field (MUDF). II. Survey design and the gaseous properties of galaxy groups at $0.5 < z < 1.5$. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1451-1469.	1.6	38
21	ALMACAL â€“ VI. Molecular gas mass density across cosmic time via a blind search for intervening molecular absorbers. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1220-1230.	1.6	23
22	Multiphase circumgalactic medium probed with MUSE and ALMA. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1595-1613.	1.6	48
23	ALMACAL V: absorption-selected galaxies with evidence for excited ISMs. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 482, L65-L69.	1.2	18
24	ALMACAL â€“ III. A combined ALMA and MUSE survey for neutral, molecular, and ionized gas in an H&#i- absorption-selected system. Monthly Notices of the Royal Astronomical Society, 2018, 475, 492-507.	1.6	28
25	Spatially resolved metal gas clouds. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 479, L50-L54.	1.2	21
26	Characterizing the circum-galactic medium of damped Lyman-Î± absorbing galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3120-3132.	1.6	26
27	Early metal enrichment of gas-rich galaxies at $z \hat{\sim} 1/4 5$. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3559-3572.	1.6	15
28	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
29	Nature of the absorbing gas associated with a galaxy group at $z \hat{\sim} 1/4 0.4$. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2053-2065.	1.6	52
30	The ESO UVES Advanced Data Products quasar sample â€“ V. Identifying the galaxy counterpart to the sub-damped LyÎ± system towards QÂ2239-2949. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1613-1620.	1.6	12
31	A study of the circumgalactic medium at $z \hat{\sim} 1/4 0.6$ using damped Lyman Î± galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 463, 980-1007.	1.6	45
32	POSSIBLE SIGNATURES OF A COLD-FLOW DISK FROM MUSE USING A $z \hat{\sim} 1/4 1$ GALAXYâ€“QUASAR PAIR TOWARD SDSS J1422âˆˆ0001*. Astrophysical Journal, 2016, 820, 121.	1.6	83
33	The ESO UVES advanced data products quasar sample â€“ VI. Sub-damped Lyman-Î± metallicity measurements and the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2016, 458, 4074-4121.	1.6	71
34	Magellan LDSS3 emission confirmation of galaxies hosting metal-rich Lyman-Î± absorption systems. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3760-3772.	1.6	10
35	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman Î± systems â€“ VI. Metallicity and geometry as gas flow probes. Monthly Notices of the Royal Astronomical Society, 2016, 457, 903-916.	1.6	46
36	KECK AND VLT OBSERVATIONS OF SUPER-DAMPED Ly<i>Î±</i> ABSORBERS AT <i>z</i> $\hat{\sim} 1/4 2$ â€“2.5: CONSTRAINTS ON CHEMICAL COMPOSITIONS AND PHYSICAL CONDITIONS. Astrophysical Journal, 2015, 815, 24.	1.6	17

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37	<i>HUBBLE SPACE TELESCOPE</i> OBSERVATIONS OF SUB-DAMPED Ly α ABSORBERS AT $z < 0.5$, AND IMPLICATIONS FOR GALAXY CHEMICAL EVOLUTION. <i>Astrophysical Journal</i> , 2015, 806, 25.	1.6	50
38	THE VLT SINFONI Mg ii PROGRAM FOR LINE EMITTERS (SIMPLE). II. BACKGROUND QUASARS PROBING ~ 1 GALACTIC WINDS. <i>Astrophysical Journal</i> , 2015, 804, 83.	1.6	54
39	A SINFONI integral field spectroscopy Survey for galaxy counterparts to Damped Lyman α Systems â€“ V. Neutral and ionized-phase metallicitiesâ€¦. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 3144-3158.	1.6	23
40	Signatures of Cool Gas Fueling a Star-Forming Galaxy at Redshift 2.3. <i>Science</i> , 2013, 341, 50-53.	6.0	186
41	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman α systems â€“ IV. Masses and gas flowsâ€¦. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 2650-2665.	1.6	34
42	Comprehensive study of a $z = 2.35$ DLA Galaxy: mass, metallicity, age, morphology and SFR from HST and VLTâ€¦. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 3091-3102.	1.6	72
43	Element abundances at high redshift: MIKE observations of sub-damped Lyman α absorbers at $1.7 < z < 2.4$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 1469-1485.	1.6	30
44	The ESO UVES advanced data products quasar sample. <i>Astronomy and Astrophysics</i> , 2013, 556, A141.	2.1	147
45	A SUPER-DAMPED Ly α QUASI-STELLAR OBJECT ABSORBER AT $z = 2.2$. <i>Astrophysical Journal</i> , 2012, 749, 176.	1.6	43
46	Enriched haloes at redshift $z = 2$, with no star formation: implications for accretion and wind scenariosâ€¦. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 2-13.	1.6	55
47	Observable signatures of the low- z circumgalactic and intergalactic media: ultraviolet line emission in simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 1731-1753.	1.6	22
48	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman α systems - III. Three additional detectionsâ€¦. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 3060-3073.	1.6	80
49	X-shooter, the new wide band intermediate resolution spectrograph at the ESO Very Large Telescope. <i>Astronomy and Astrophysics</i> , 2011, 536, A105.	2.1	799
50	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman α systems - II. Dynamical properties of the galaxies towards Q0302 α 223 and Q1009 α 0026â€¦. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 2251-2256.	1.6	30
51	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman α systems - I. New detections and limits for intervening and associated absorbersâ€¦. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 2237-2250.	1.6	95
52	SOAR imaging of sub-damped Lyman α systems at $z < 1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 2516-2525.	1.6	14
53	Do damped and sub-damped Lyman-alpha absorbers arise in galaxies of different masses?. <i>New Astronomy</i> , 2010, 15, 735-743.	0.8	46
54	New Magellan Inamori Kyocera Echelle Observations of $z < 1.5$ sub-damped Lyman α systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 1513-1530.	1.6	28

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55	A MIKE + LIVES survey of sub-damped Lyman $\hat{\pm}$ systems at $z < 1.5$. Monthly Notices of the Royal Astronomical Society, 2009, 397, 2037-2048.	1.6	56
56	The chemical compositions of 10 new sub-DLAs and strong Lyman-limit systems at $z < 1.5$. Monthly Notices of the Royal Astronomical Society, 2008, 384, 1015-1033.	1.6	35
57	Metal abundances at $z < 1.5$: new measurements in sub-damped Lyman $\hat{\pm}$ absorbers. Monthly Notices of the Royal Astronomical Society, 2008, 386, 2209-2220.	1.6	49
58	Ly $\hat{\pm}$ Emitting Galaxies at $0.2 < z < 0.35$ from GALEX Spectroscopy. Astrophysical Journal, 2008, 680, 1072-1082.	1.6	90
59	A Population of Faint Extended Line Emitters and the Host Galaxies of Optically Thick QSO Absorption Systems. Astrophysical Journal, 2008, 681, 856-880.	1.6	199
60	The SINFONI Mg $\langle \text{sc} \rangle$ Program for Line Emitters (SIMPLE): Discovering Starbursts near QSO Sight Lines. Astrophysical Journal, 2007, 669, L5-L8.	1.6	81
61	The Role of Sub-“Damped Ly $\hat{\pm}$ Absorbers in the Cosmic Evolution of Metals. Astrophysical Journal, 2007, 661, 88-94.	1.6	74
62	The missing metals problem - III. How many metals are expelled from galaxies?. Monthly Notices of the Royal Astronomical Society, 2007, 378, 525-540.	1.6	83
63	The nature of damped Lyman $\mathit{\alpha}$ and sub-damped Lyman $\mathit{\alpha}$ absorbers. Astronomy and Astrophysics, 2007, 464, 487-493.	2.1	48
64	Extinction and metal column density of HI regions up to redshift $z \leq 2$. Astronomy and Astrophysics, 2006, 454, 151-164.	2.1	47
65	The missing metals problem - II. How many metals are in $z \sim 2.2$ galaxies?. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 367, L16-L19.	1.2	36
66	A homogeneous sample of sub-damped Lyman $\hat{\pm}$ systems – III. Total gas mass $\text{ohm} \text{H I} + \text{He II}$ at $z > 2$. Monthly Notices of the Royal Astronomical Society, 2005, 363, 479-495.	1.6	127
67	The missing metal problem – I. How many metals are in submillimetre galaxies?. Monthly Notices of the Royal Astronomical Society, 2005, 364, 319-324.	1.6	31
68	The dust obscuration bias in damped Lyman $\hat{\pm}$ systems. Astronomy and Astrophysics, 2005, 444, 461-479.	2.1	69
69	A homogeneous sample of sub-damped Lyman alpha systems - I. Construction of the sample and chemical abundance measurements. Monthly Notices of the Royal Astronomical Society, 2003, 345, 447-479.	1.6	108
70	A homogeneous sample of sub-damped Lyman alpha systems - II. Statistical, kinematic and chemical properties. Monthly Notices of the Royal Astronomical Society, 2003, 345, 480-496.	1.6	101
71	The evolution of $\hat{\pm}$ and the epoch of formation of damped Lyman $\hat{\pm}$ absorbers. Monthly Notices of the Royal Astronomical Society, 2003, 346, 1103-1115.	1.6	202
72	Investigating lensing by absorbers in the 2dF-quasar survey. Astronomy and Astrophysics, 2003, 410, 33-43.	2.1	18

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73	A Lyman limit system associated with galactic winds~.... Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	19