

Christopher W Churchill

List of Publications by Year in descending order

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92
papers

4,877
citations

94269

37
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91712

69
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92
all docs

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docs citations

92
times ranked

2001
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of C iv Absorbers. II. Where Does C iv Live?. <i>Astrophysical Journal</i> , 2022, 924, 12.	1.6	6
2	Solar Wind Model Supported by Parker Solar Probe Observations During Faint Venusian Auroral Emission. <i>Astrophysical Journal</i> , 2022, 929, 45.	1.6	0
3	Spatial Distribution of O vi Covering Fractions in the Simulated Circumgalactic Medium. <i>Astrophysical Journal</i> , 2021, 907, 8.	1.6	3
4	Discovery of extremely low-metallicity circumgalactic gas at $\langle i \rangle z \langle /i \rangle = 0.5$ towards Q0454 \hat{a} $\hat{\sim}$ 220. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5640-5657.	1.6	4
5	Cloud-by-cloud, multiphase, Bayesian modelling: application to four weak, low-ionization absorbers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2112-2139.	1.6	14
6	Evidence for galaxy quenching in the green valley caused by a lack of a circumgalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2289-2301.	1.6	6
7	Testing galaxy formation simulations with damped Lyman- $\hat{\pm}$ abundance and metallicity evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2835-2846.	1.6	10
8	Disentangling the multiphase circumgalactic medium shared between a dwarf and a massive star-forming galaxy at $\langle i \rangle z \langle /i \rangle \hat{\sim} 1/40.4$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3987-3998.	1.6	7
9	Low-mass Group Environments Have No Substantial Impact on the Circumgalactic Medium Metallicity. <i>Astronomical Journal</i> , 2020, 159, 216.	1.9	4
10	Mg ii Absorbers in High-resolution Quasar Spectra. I. Voigt Profile Models. <i>Astrophysical Journal</i> , 2020, 904, 28.	1.6	9
11	Evolution of C iv Absorbers. I. The Cosmic Incidence. <i>Astrophysical Journal</i> , 2020, 904, 44.	1.6	17
12	The CGM at Cosmic Noon with KCWI: Outflows from a Star-forming Galaxy at $z \hat{=} \hat{A}2.071$. <i>Astrophysical Journal</i> , 2020, 904, 164.	1.6	13
13	Kinematics of Circumgalactic Gas: Feeding Galaxies and Feedback. <i>Astrophysical Journal</i> , 2019, 878, 84.	1.6	68
14	The Relation between Galaxy ISM and Circumgalactic O vi Gas Kinematics Derived from Observations and $\hat{\lambda}$ CDM Simulations. <i>Astrophysical Journal</i> , 2019, 870, 137.	1.6	25
15	The Relationship between Galaxy ISM and Circumgalactic Gas Metallicities. <i>Astrophysical Journal</i> , 2019, 886, 91.	1.6	33
16	Relationship between the Metallicity of the Circumgalactic Medium and Galaxy Orientation. <i>Astrophysical Journal</i> , 2019, 883, 78.	1.6	39
17	Kinematics of the O vi Circumgalactic Medium: Halo Mass Dependence and Outflow Signatures. <i>Astrophysical Journal</i> , 2019, 886, 66.	1.6	12
18	MAGiCAT VI. The Mg ii Intragroup Medium Is Kinematically Complex. <i>Astrophysical Journal</i> , 2018, 869, 153.	1.6	43

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19	THE HIGHLY IONIZED CIRCUMGALACTIC MEDIUM IS KINEMATICALLY UNIFORM AROUND GALAXIES. <i>Astrophysical Journal</i> , 2017, 834, 148.	1.6	24
20	Quasars Probing Galaxies. I. Signatures of Gas Accretion at Redshift $z \approx 0.2$. <i>Astrophysical Journal</i> , 2017, 835, 267.	1.6	81
21	The Impact of the Group Environment on the O vi Circumgalactic Medium. <i>Astrophysical Journal</i> , 2017, 844, 23.	1.6	28
22	HST Observations Reveal the Curious Geometry of Circumgalactic Gas. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 342-344.	0.0	0
23	Gas Kinematics in the Multiphase Circumgalactic Medium. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 345-347.	0.0	0
24	MAGiCAT IV. KINEMATICS OF THE CIRCUMGALACTIC MEDIUM AND EVIDENCE FOR QUIESCENT EVOLUTION AROUND RED GALAXIES. <i>Astrophysical Journal</i> , 2016, 818, 171.	1.6	26
25	MOLECULAR HYDROGEN ABSORPTION FROM THE HALO OF A $z \approx 0.4$ GALAXY. <i>Astrophysical Journal</i> , 2016, 823, 66.	1.6	31
26	THE AZIMUTHAL DEPENDENCE OF OUTFLOWS AND ACCRETION DETECTED USING O vi ABSORPTION. <i>Astrophysical Journal</i> , 2015, 815, 22.	1.6	69
27	AN EXTREME METALLICITY, LARGE-SCALE OUTFLOW FROM A STAR-FORMING GALAXY AT $z \approx 0.4$. <i>Astrophysical Journal</i> , 2015, 811, 132.	1.6	71
28	MAGiCAT V. ORIENTATION OF OUTFLOWS AND ACCRETION DETERMINE THE KINEMATICS AND COLUMN DENSITIES OF THE CIRCUMGALACTIC MEDIUM. <i>Astrophysical Journal</i> , 2015, 812, 83.	1.6	65
29	Probing the circumgalactic medium of active galactic nuclei with background quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 2861-2869.	1.6	4
30	DIRECT INSIGHTS INTO OBSERVATIONAL ABSORPTION LINE ANALYSIS METHODS OF THE CIRCUMGALACTIC MEDIUM USING COSMOLOGICAL SIMULATIONS. <i>Astrophysical Journal</i> , 2015, 802, 10.	1.6	42
31	Radiative feedback and the low efficiency of galaxy formation in low-mass haloes at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 1545-1559.	1.6	165
32	HALO MASS DEPENDENCE OF H I AND O VI ABSORPTION: EVIDENCE FOR DIFFERENTIAL KINEMATICS. <i>Astrophysical Journal</i> , 2014, 792, 128.	1.6	23
33	NEW PERSPECTIVE ON GALAXY OUTFLOWS FROM THE FIRST DETECTION OF BOTH INTRINSIC AND TRAVERSE METAL-LINE ABSORPTION. <i>Astrophysical Journal Letters</i> , 2014, 792, L12.	3.0	63
34	THE SELF-SIMILARITY OF THE CIRCUMGALACTIC MEDIUM WITH GALAXY VIRIAL MASS: IMPLICATIONS FOR COLD-MODE ACCRETION. <i>Astrophysical Journal Letters</i> , 2013, 763, L42.	3.0	41
35	MAGiCAT II. GENERAL CHARACTERISTICS OF THE Mg II ABSORBING CIRCUMGALACTIC MEDIUM. <i>Astrophysical Journal</i> , 2013, 776, 115.	1.6	107
36	THE REDSHIFT DISTRIBUTION OF INTERVENING WEAK Mg II QUASAR ABSORBERS AND A CURIOUS DEPENDENCE ON QUASAR LUMINOSITY. <i>Astrophysical Journal</i> , 2013, 768, 3.	1.6	10

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37	MAGIICAT I. THE Mg II ABSORBER-GALAXY CATALOG. <i>Astrophysical Journal</i> , 2013, 776, 114.	1.6	83
38	MAGIICAT III. INTERPRETING SELF-SIMILARITY OF THE CIRCUMGALACTIC MEDIUM WITH VIRIAL MASS USING Mg II ABSORPTION. <i>Astrophysical Journal</i> , 2013, 779, 87.	1.6	51
39	THE SMOOTH Mg II GAS DISTRIBUTION THROUGH THE INTERSTELLAR/EXTRA-PLANAR/HALO INTERFACE. <i>Astrophysical Journal Letters</i> , 2013, 777, L11.	3.0	20
40	Discovery of multiphase cold accretion in a massive galaxy at $z = 0.7$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 3029-3043.	1.6	49
41	QUENCHED COLD ACCRETION OF A LARGE-SCALE METAL-POOR FILAMENT DUE TO VIRIAL SHOCKING IN THE HALO OF A MASSIVE $z = 0.7$ GALAXY. <i>Astrophysical Journal</i> , 2012, 760, 68.	1.6	35
42	TRACING OUTFLOWS AND ACCRETION: A BIMODAL AZIMUTHAL DEPENDENCE OF Mg II ABSORPTION. <i>Astrophysical Journal Letters</i> , 2012, 760, L7.	3.0	165
43	HALO GAS AND GALAXY DISK KINEMATICS OF A VOLUME-LIMITED SAMPLE OF Mg II ABSORPTION-SELECTED GALAXIES AT $z \lesssim 0.1$. <i>Astrophysical Journal</i> , 2011, 733, 105.	1.6	65
44	Morphological properties of $z \sim 0.5$ absorption-selected galaxies: the role of galaxy inclination. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 3118-3137.	1.6	86
45	THE H I MASS DENSITY IN GALACTIC HALOS, WINDS, AND COLD ACCRETION AS TRACED BY Mg II ABSORPTION. <i>Astrophysical Journal Letters</i> , 2011, 743, L34.	3.0	28
46	HALO GAS AND GALAXY DISK KINEMATICS DERIVED FROM OBSERVATIONS AND Λ CDM SIMULATIONS OF Mg II ABSORPTION-SELECTED GALAXIES AT INTERMEDIATE REDSHIFT. <i>Astrophysical Journal</i> , 2010, 711, 533-558.	1.6	106
47	Galaxy group at $z=0.3$ associated with the damped Lyman α system towards quasar Q1127-145. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 406, 445-459.	1.6	57
48	Evidence of Magellanic-like moderate redshift H I-rich galaxies. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 479-485.	0.0	0
49	LIMITS ON REDDENING AND GAS-TO-DUST RATIOS FOR SEVEN INTERMEDIATE REDSHIFT DAMPED Ly α ABSORBERS FROM DIFFUSE INTERSTELLAR BANDS. <i>Astronomical Journal</i> , 2008, 136, 994-1012.	1.9	20
50	HALO GAS CROSS SECTIONS AND COVERING FRACTIONS OF Mg II ABSORPTION SELECTED GALAXIES. <i>Astronomical Journal</i> , 2008, 135, 922-927.	1.9	116
51	A Correlation between Galaxy Morphology and Mg II Halo Absorption Strength. <i>Astrophysical Journal</i> , 2007, 662, 909-922.	1.6	49
52	On the Heterogeneity of Metal Line and Ly α Absorption in Galaxy Halos at $z \sim 0.7$. <i>Astrophysical Journal</i> , 2007, 661, 714-718.	1.6	22
53	Detection of Diffuse Interstellar Bands in the $z \sim 0.5$ Damped Ly α System toward AO 0235+164. <i>Astrophysical Journal</i> , 2006, 647, L29-L32.	1.6	32
54	First Detection of Na I D Lines in High-Redshift Damped Ly α Systems. <i>Astrophysical Journal</i> , 2006, 643, 667-674.	1.6	6

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55	Models of Five Absorption-Line Systems along the Line of Sight Toward PG 0117+213. <i>Astrophysical Journal</i> , 2005, 623, 57-78.	1.6	28
56	MgII absorption through intermediate redshift galaxies. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 24-41.	0.0	31
57	Galaxy morphology & halo gas connections. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 80-85.	0.0	0
58	A search for organic molecules in intermediate redshift DLAs. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 430-432.	0.0	1
59	The Absorption Signature of Six MgII-selected Systems over $0.5 < z < 0.9$. <i>Astrophysical Journal</i> , 2005, 621, 615-634.	1.6	31
60	The Absorption Signatures of Dwarf Galaxies: The $z \approx 1.04$ Multicloud Weak MgII Absorber toward PG 1634+706. <i>Astrophysical Journal</i> , 2004, 606, 196-212.	1.6	37
61	The Spatial, Ionization, and Kinematic Conditions of the $z \approx 1.39$ Damped Ly α Absorber in Q0957+561A. <i>Astrophysical Journal</i> , 2003, 593, 203-214.	1.6	28
62	The Multiphase Absorption Systems toward PG 1206+459. <i>Astrophysical Journal</i> , 2003, 590, 746-769.	1.6	36
63	The Physical Conditions of Intermediate-Redshift M[CLC]g/[CLC] [CSC]ii/[CSC] Absorbing Clouds from Voigt Profile Analysis. <i>Astronomical Journal</i> , 2003, 125, 98-115.	1.9	95
64	A Quadruple-Phase Strong MgII Absorber at $z \approx 0.9902$ toward PG 1634+706. <i>Astrophysical Journal</i> , 2003, 587, 551-561.	1.6	31
65	High-Resolution STIS/Hubble Space Telescope and HIRES/Keck Spectra of Three Weak MgII Absorbers toward PG 1634+706. <i>Astrophysical Journal</i> , 2003, 589, 111-125.	1.6	53
66	The Kinematic Connection between absorbing Gas toward QSOs and Galaxies at Intermediate Redshift. <i>Astrophysical Journal</i> , 2002, 570, 526-542.	1.6	167
67	The Population of Weak MgII Absorbers. II. The Properties of Single-Cloud Systems. <i>Astrophysical Journal</i> , 2002, 565, 743-761.	1.6	108
68	High-Redshift Superwinds as the Source of the Strongest MgII Absorbers: A Feasibility Analysis. <i>Astrophysical Journal</i> , 2001, 562, 641-648.	1.6	80
69	On the Origin of Intrinsic Narrow Absorption Lines in $z \approx 1$ QSOs. <i>Astrophysical Journal</i> , 2001, 549, 133-154.		80
70	H α Imaging with Hubble Space Telescope & NICMOS of an Elusive Damped Ly α Cloud at $z \approx 0.6$. <i>Astrophysical Journal</i> , 2001, 550, 585-592.	1.6	24
71	MgII Absorber Number Density at $z \approx 0.05$: Implications for DLA Evolution. <i>Astrophysical Journal</i> , 2001, 560, 92-100.	1.6	18
72	The Kinematics of Intermediate-Redshift M[CLC]g/[CLC] [CSC]ii/[CSC] Absorbers. <i>Astronomical Journal</i> , 2001, 122, 679-713.	1.9	89

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73	Evidence for Expanding Superbubbles in a Galaxy at $z=0.7443$. <i>Astrophysical Journal</i> , 2001, 557, 761-769.	1.6	25
74	Low- and High-ionization Absorption Properties of Mg II Absorption-selected Galaxies at Intermediate Redshifts. I. General Properties. <i>Astrophysical Journal</i> , Supplement Series, 2000, 130, 91-119.	3.0	116
75	QSO Absorption Line Constraints on Intragroup High-velocity Clouds. <i>Astrophysical Journal</i> , 2000, 544, 702-706.	1.6	23
76	Low- and High-ionization Absorption Properties of Mg II Absorption-selected Galaxies at Intermediate Redshifts. II. Taxonomy, Kinematics, and Galaxies. <i>Astrophysical Journal</i> , 2000, 543, 577-598.	1.6	94
77	Anticipating High-Resolution STIS Spectra of Four Multiphase Mg II Absorbers: A Test of Photoionization Models. <i>Astrophysical Journal</i> , 2000, 545, 635-656.	1.6	13
78	Search for Time Variation of the Fine Structure Constant. <i>Physical Review Letters</i> , 1999, 82, 884-887.	2.9	636
79	Intrinsic Narrow Absorption Lines in Keck HIRES Spectra of a Sample of Six Quasars. <i>Astronomical Journal</i> , 1999, 117, 2594-2607.	1.9	84
80	The C IV Absorption-Mg II Kinematics Connection in $z \sim 0.7$ Galaxies. <i>Astrophysical Journal</i> , 1999, 519, L43-L46.	1.6	33
81	The Population of Weak Mg II Absorbers. I. A Survey of 26 QSO HIRES/Keck Spectra. <i>Astrophysical Journal</i> , Supplement Series, 1999, 120, 51-75.	3.0	143
82	The Multiple Phases of Interstellar and Halo Gas in a Possible Group of Galaxies at $z \sim 1$. <i>Astronomical Journal</i> , 1999, 118, 59-75.	1.9	38
83	An Unusual Mini-BAL Quasar at $z=4.59$. <i>Astronomical Journal</i> , 1999, 117, 2573-2581.	1.9	27
84	The Kinematic Composition of Mg II Absorbers. <i>Astrophysical Journal</i> , 1998, 499, 181-197.	1.6	73
85	High-Metallicity Mg II Absorbers in the $z < 1$ Ly α Forest of PKS 0454+039: Giant Low Surface Brightness Galaxies?. <i>Astrophysical Journal</i> , 1998, 499, 677-698.	1.6	21
86	An Aluminum-enhanced Cloud in a C IV Absorber at $z = 1.94$. <i>Astrophysical Journal</i> , 1998, 498, L103-L106.	1.6	5
87	QSO absorption lines: The UV rest frame from $0 < z < 4$. , ,		0
88	Mg II Absorbing Galaxies: Halos or Disks?. <i>Astrophysical Journal</i> , 1996, 465, 631.	1.6	39
89	On the Spatial and Kinematic Distributions of Mg II Absorbing Gas in $z \sim 0.7$ Galaxies. <i>Astrophysical Journal</i> , 1996, 471, 164-172.	1.6	55
90	Abundances at High Redshifts: The Chemical Enrichment History OF. <i>Astrophysical Journal</i> , Supplement Series, 1996, 107, 475-519.	3.0	345

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91	Probing [CLC]Ly $\hat{\pm}$ [/CLC] Absorbers with Double Lines of Sight. <i>Astrophysical Journal</i> , 1995, 452, .	1.6	15
92	From Metal $\hat{\epsilon}$ "Line Absorption Profiles to Halo Kinematics?. <i>Globular Clusters - Guides To Galaxies</i> , 1995, , 153-156.	0.1	2