

# Christopher W Churchill

## List of Publications by Year in descending order

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92  
papers

4,877  
citations

94269

37  
h-index

91712

69  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2001  
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for Time Variation of the Fine Structure Constant. <i>Physical Review Letters</i> , 1999, 82, 884-887.	2.9	636
2	Abundances at High Redshifts: The Chemical Enrichment History OF. <i>Astrophysical Journal, Supplement Series</i> , 1996, 107, 475-519.	3.0	345
3	The Kinematic Connection between absorbing Gas toward QSOs and Galaxies at Intermediate Redshift. <i>Astrophysical Journal</i> , 2002, 570, 526-542.	1.6	167
4	TRACING OUTFLOWS AND ACCRETION: A BIMODAL AZIMUTHAL DEPENDENCE OF Mg II ABSORPTION. <i>Astrophysical Journal Letters</i> , 2012, 760, L7.	3.0	165
5	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
6	The Population of Weak Mg ii Absorbers. I. A Survey of 26 QSO HIRES/Keck Spectra. <i>Astrophysical Journal, Supplement Series</i> , 1999, 120, 51-75.	3.0	143
7	Low- and High-ionization Absorption Properties of Mg ii Absorption-selected Galaxies at Intermediate Redshifts. I. General Properties. <i>Astrophysical Journal, Supplement Series</i> , 2000, 130, 91-119.	3.0	116
8	HALO GAS CROSS SECTIONS AND COVERING FRACTIONS OF Mg II ABSORPTION SELECTED GALAXIES. <i>Astronomical Journal</i> , 2008, 135, 922-927.	1.9	116
9	The Population of Weak MgiiAbsorbers. II. The Properties of Single-Cloud Systems. <i>Astrophysical Journal</i> , 2002, 565, 743-761.	1.6	108
10	MAGIICAT II. GENERAL CHARACTERISTICS OF THE Mg II ABSORBING CIRCUMGALACTIC MEDIUM. <i>Astrophysical Journal</i> , 2013, 776, 115.	1.6	107
11	HALO GAS AND GALAXY DISK KINEMATICS DERIVED FROM OBSERVATIONS AND $\Lambda$ CDM SIMULATIONS OF Mg II ABSORPTION-SELECTED GALAXIES AT INTERMEDIATE REDSHIFT. <i>Astrophysical Journal</i> , 2010, 711, 533-558.	1.6	106
12	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
13	Low- and High-ionization Absorption Properties of MgiiAbsorption-selected Galaxies at Intermediate Redshifts. II. Taxonomy, Kinematics, and Galaxies. <i>Astrophysical Journal</i> , 2000, 543, 577-598.	1.6	94
14	The Kinematics of Intermediate-Redshift M[CLC]g[/CLC] [CSC]ii[/CSC] Absorbers. <i>Astronomical Journal</i> , 2001, 122, 679-713.	1.9	89
15	Morphological properties of $\sim 0.5$ absorption-selected galaxies: the role of galaxy inclination. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 3118-3137.	1.6	86
16	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
17	MAGIICAT I. THE Mg II ABSORBER-GALAXY CATALOG. <i>Astrophysical Journal</i> , 2013, 776, 114.	1.6	83
18	Quasars Probing Galaxies. I. Signatures of Gas Accretion at Redshift $z \sim 0.2$ . <i>Astrophysical Journal</i> , 2017, 835, 267.	1.6	81

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19	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
20	On the Origin of Intrinsic Narrow Absorption Lines in $z \sim 1$ QSOs. <i>Astrophysical Journal</i> , 2001, 549, 133-154.	1.6	80
21	The Kinematic Composition of MgII Absorbers. <i>Astrophysical Journal</i> , 1998, 499, 181-197.	1.6	73
22	AN EXTREME METALLICITY, LARGE-SCALE OUTFLOW FROM A STAR-FORMING GALAXY AT $z \sim 0.4$ . <i>Astrophysical Journal</i> , 2015, 811, 132.	1.6	71
23	THE AZIMUTHAL DEPENDENCE OF OUTFLOWS AND ACCRETION DETECTED USING O VI ABSORPTION. <i>Astrophysical Journal</i> , 2015, 815, 22.	1.6	69
24	Kinematics of Circumgalactic Gas: Feeding Galaxies and Feedback. <i>Astrophysical Journal</i> , 2019, 878, 84.	1.6	68
25	HALO GAS AND GALAXY DISK KINEMATICS OF A VOLUME-LIMITED SAMPLE OF Mg II ABSORPTION-SELECTED GALAXIES AT $z < 0.1$ . <i>Astrophysical Journal</i> , 2011, 733, 105.	1.6	65
26	MAGII-CAT 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
27	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
28	Galaxy group at $z=0.3$ associated with the damped Lyman $\alpha$ system towards quasar Q1127-145. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 406, 445-459.	1.6	57
29	On the Spatial and Kinematic Distributions of MgII Absorbing Gas in $z \sim 0.7$ Galaxies. <i>Astrophysical Journal</i> , 1996, 471, 164-172.	1.6	55
30	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
31	MAGII-CAT 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
32	A Correlation between Galaxy Morphology and MgII Halo Absorption Strength. <i>Astrophysical Journal</i> , 2007, 662, 909-922.	1.6	49
33	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
34	MAGII-CAT VI. The Mg II Intragroup Medium Is Kinematically Complex. <i>Astrophysical Journal</i> , 2018, 869, 153.	1.6	43
35	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
36	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

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37	MG II Absorbing Galaxies: Halos or Disks?. <i>Astrophysical Journal</i> , 1996, 465, 631.	1.6	39
38	Relationship between the Metallicity of the Circumgalactic Medium and Galaxy Orientation. <i>Astrophysical Journal</i> , 2019, 883, 78.	1.6	39
39	The Multiple Phases of Interstellar and Halo Gas in a Possible Group of Galaxies at [CLC][ITAL]z[/ITAL]/[CLC] $\hat{z} \approx 1$ . <i>Astronomical Journal</i> , 1999, 118, 59-75.	1.9	38
40	The Absorption Signatures of Dwarf Galaxies: The $z \approx 1.04$ Multicloud Weak Mg II Absorber toward PG 1634+706. <i>Astrophysical Journal</i> , 2004, 606, 196-212.	1.6	37
41	The Multiphase Absorption Systems toward PG 1206+459. <i>Astrophysical Journal</i> , 2003, 590, 746-769.	1.6	36
42	QUENCHED COLD ACCRETION OF A LARGE-SCALE METAL-POOR FILAMENT DUE TO VIRIAL SHOCKING IN THE HALO OF A MASSIVE $z \approx 0.7$ GALAXY. <i>Astrophysical Journal</i> , 2012, 760, 68.	1.6	35
43	The C [CLC][CSC]iv[/CSC]/[CLC] Absorption "M [CLC]g[/CLC] [CLC][CSC]ii[/CSC]/[CLC] Kinematics Connection in $z \approx 0.7$ Galaxies. <i>Astrophysical Journal</i> , 1999, 519, L43-L46.	1.6	33
44	The Relationship between Galaxy ISM and Circumgalactic Gas Metallicities. <i>Astrophysical Journal</i> , 2019, 886, 91.	1.6	33
45	Detection of Diffuse Interstellar Bands in the $z \approx 0.5$ Damped Ly $\alpha$ System toward AO 0235+164. <i>Astrophysical Journal</i> , 2006, 647, L29-L32.	1.6	32
46	Mg II absorption through intermediate redshift galaxies. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 24-41.	0.0	31
47	MOLECULAR HYDROGEN ABSORPTION FROM THE HALO OF A $z \approx 0.4$ GALAXY. <i>Astrophysical Journal</i> , 2016, 823, 66.	1.6	31
48	A Quadruple-Phase Strong Mg II Absorber at $z \approx 0.9902$ toward PG 1634+706. <i>Astrophysical Journal</i> , 2003, 587, 551-561.	1.6	31
49	The Absorption Signature of Six Mg II "selected Systems over $0.5 \hat{z} \approx 0.9$ . <i>Astrophysical Journal</i> , 2005, 621, 615-634.	1.6	31
50	The Spatial, Ionization, and Kinematic Conditions of the $z \approx 1.39$ Damped Ly $\alpha$ Absorber in Q0957+561A. <i>Astrophysical Journal</i> , 2003, 593, 203-214.	1.6	28
51	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
52	The Impact of the Group Environment on the O VI Circumgalactic Medium. <i>Astrophysical Journal</i> , 2017, 844, 23.	1.6	28
53	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
54	An Unusual $\hat{z} \approx 4.59$ Mini-BAL Quasar at [CLC][ITAL]z[/ITAL]/[CLC] $\hat{z} \approx 4.59$ . <i>Astronomical Journal</i> , 1999, 117, 2573-2581.	1.9	27

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55	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
56	The Relation between Galaxy ISM and Circumgalactic O vi Gas Kinematics Derived from Observations and $\Lambda$ CDM Simulations. <i>Astrophysical Journal</i> , 2019, 870, 137.	1.6	25
57	Evidence for Expanding Superbubbles in a Galaxy at $z=0.7443$ . <i>Astrophysical Journal</i> , 2001, 557, 761-769.	1.6	25
58	H $\alpha$ Imaging with Hubble Space Telescope + NICMOS of an Elusive Damped Ly $\alpha$ Cloud at $z=0.6$ . <i>Astrophysical Journal</i> , 2001, 550, 585-592.	1.6	24
59	THE HIGHLY IONIZED CIRCUMGALACTIC MEDIUM IS KINEMATICALLY UNIFORM AROUND GALAXIES. <i>Astrophysical Journal</i> , 2017, 834, 148.	1.6	24
60	QSO Absorption Line Constraints on Intragroup High-Velocity Clouds. <i>Astrophysical Journal</i> , 2000, 544, 702-706.	1.6	23
61	HALO MASS DEPENDENCE OF H I AND O VI ABSORPTION: EVIDENCE FOR DIFFERENTIAL KINEMATICS. <i>Astrophysical Journal</i> , 2014, 792, 128.	1.6	23
62	On the Heterogeneity of Metal Line and Ly $\alpha$ Absorption in Galaxy $\alpha$ Halos at $z \sim 0.7$ . <i>Astrophysical Journal</i> , 2007, 661, 714-718.	1.6	22
63	High-Metallicity Mg II Absorbers in the $z < 1$ Ly $\alpha$ Forest of PKS 0454+039: Giant Low Surface Brightness Galaxies?. <i>Astrophysical Journal</i> , 1998, 499, 677-698.	1.6	21
64	LIMITS ON REDDENING AND GAS-TO-DUST RATIOS FOR SEVEN INTERMEDIATE REDSHIFT DAMPED Ly $\alpha$ ABSORBERS FROM DIFFUSE INTERSTELLAR BANDS. <i>Astronomical Journal</i> , 2008, 136, 994-1012.	1.9	20
65	THE SMOOTH Mg II GAS DISTRIBUTION THROUGH THE INTERSTELLAR/EXTRA-PLANAR/HALO INTERFACE. <i>Astrophysical Journal Letters</i> , 2013, 777, L11.	3.0	20
66	Mg II Absorber Number Density at $z \sim 0.05$ : Implications for $\Lambda$ CDM Evolution. <i>Astrophysical Journal</i> , 2001, 560, 92-100.	1.6	18
67	Evolution of C iv Absorbers. I. The Cosmic Incidence. <i>Astrophysical Journal</i> , 2020, 904, 44.	1.6	17
68	Probing [CLC] Ly $\alpha$ /[CLC] Absorbers with Double Lines of Sight. <i>Astrophysical Journal</i> , 1995, 452, .	1.6	15
69	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
70	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
71	The CGM at Cosmic Noon with KCWI: Outflows from a Star-forming Galaxy at $z=2.071$ . <i>Astrophysical Journal</i> , 2020, 904, 164.	1.6	13
72	Kinematics of the O vi Circumgalactic Medium: Halo Mass Dependence and Outflow Signatures. <i>Astrophysical Journal</i> , 2019, 886, 66.	1.6	12

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73	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
74	Testing galaxy formation simulations with damped Lyman- $\alpha$ abundance and metallicity evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2835-2846.	1.6	10
75	Mg II Absorbers in High-resolution Quasar Spectra. I. Voigt Profile Models. <i>Astrophysical Journal</i> , 2020, 904, 28.	1.6	9
76	Disentangling the multiphase circumgalactic medium shared between a dwarf and a massive star-forming galaxy at $z \approx 0.4$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3987-3998.	1.6	7
77	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
78	First Detection of NaID Lines in High-Redshift Damped Ly $\alpha$ Systems. <i>Astrophysical Journal</i> , 2006, 643, 667-674.	1.6	6
79	Evolution of C IV Absorbers. II. Where Does C IV Live?. <i>Astrophysical Journal</i> , 2022, 924, 12.	1.6	6
80	An Aluminum-enhanced Cloud in a C [CSC]IV/[CSC] Absorber at [CLC][ITAL]z[/ITAL][[/CLC] = 1.94. <i>Astrophysical Journal</i> , 1998, 498, L103-L106.	1.6	5
81	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
82	Discovery of extremely low-metallicity circumgalactic gas at $z \approx 0.5$ towards Q0454 $\alpha$ 220. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5640-5657.	1.6	4
83	Low-mass Group Environments Have No Substantial Impact on the Circumgalactic Medium Metallicity. <i>Astronomical Journal</i> , 2020, 159, 216.	1.9	4
84	Spatial Distribution of O VI Covering Fractions in the Simulated Circumgalactic Medium. <i>Astrophysical Journal</i> , 2021, 907, 8.	1.6	3
85	From Metal- $\alpha$ Line Absorption Profiles to Halo Kinematics?. <i>Globular Clusters - Guides To Galaxies</i> , 1995, , 153-156.	0.1	2
86	A search for organic molecules in intermediate redshift DLAs. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 430-432.	0.0	1
87	QSO absorption lines: The UV rest frame from $0 < z < 4$ . , 1997, , .		0
88	Galaxy morphology $\alpha$ halo gas connections. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 80-85.	0.0	0
89	Evidence of Magellanic-like moderate redshift H $\alpha$ -rich galaxies. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 479-485.	0.0	0
90	HST Observations Reveal the Curious Geometry of Circumgalactic Gas. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 342-344.	0.0	0

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91	Gas Kinematics in the Multiphase Circumgalactic Medium. Proceedings of the International Astronomical Union, 2016, 11, 345-347.	0.0	0
92	Solar Wind Model Supported by Parker Solar Probe Observations During Faint Venusian Auroral Emission. Astrophysical Journal, 2022, 929, 45.	1.6	0