

# Herman L Marshall

## List of Publications by Year in descending order

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139  
papers

4,364  
citations

126907

33  
h-index

118850

62  
g-index

142  
all docs

142  
docs citations

142  
times ranked

3290  
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray Spectral Variability and Rapid Variability of the Soft X-ray Spectrum Seyfert 1 Galaxies Arakelian 564 and Ton S180. <i>Astrophysical Journal</i> , 2002, 568, 610-626.	4.5	343
2	Discovery of Spatial and Spectral Structure in the X-Ray Emission from the Crab Nebula. <i>Astrophysical Journal</i> , 2000, 536, L81-L84.	4.5	337
3	Is RX J1856.5-3754 a Quark Star?. <i>Astrophysical Journal</i> , 2002, 572, 996-1001.	4.5	183
4	The mass of the missing baryons in the X-ray forest of the warm-hot intergalactic medium. <i>Nature</i> , 2005, 433, 495-498.	27.8	173
5	Revealing the Dusty Warm Absorber in MCG +6-30-15 with the [Chandra] High-Energy Transmission Grating. <i>Astrophysical Journal</i> , 2001, 554, L13-L17.	4.5	154
6	The High-Resolution X-ray Spectrum of SS 433 Using the Chandra HETGS. <i>Astrophysical Journal</i> , 2002, 564, 941-952.	4.5	140
7	[Chandra] Detection of O VIII Ly $\alpha$ Absorption from an Overdense Region in the Intergalactic Medium. <i>Astrophysical Journal</i> , 2002, 572, L127-L130.	4.5	134
8	Chandra Detection of the First X-ray Forest along the Line of Sight to Markarian 421. <i>Astrophysical Journal</i> , 2005, 629, 700-718.	4.5	121
9	A high-sensitivity X-ray survey using the Einstein Observatory and the discrete source contribution to the extragalactic X-ray background. <i>Astrophysical Journal</i> , 1979, 234, L1.	4.5	115
10	Dual character of the rapid burster and a classification of X-ray bursts. <i>Nature</i> , 1978, 271, 630-633.	27.8	113
11	The Imaging X-ray Polarimetry Explorer (IXPE). <i>Proceedings of SPIE</i> , 2016, , .	0.8	107
12	Raytracing with MARX: x-ray observatory design, calibration, and support. <i>Proceedings of SPIE</i> , 2012, , .	0.8	100
13	Complex Spectral Variability from Intensive Multiwavelength Monitoring of Markarian 421 in 1998. <i>Astrophysical Journal</i> , 2000, 542, L105-L109.	4.5	100
14	Multiwavelength Monitoring of the BL Lacertae Object PKS 2155-304 in 1994 May. III. Probing the Inner Jet through Multiwavelength Correlations. <i>Astrophysical Journal</i> , 1997, 486, 799-809.	4.5	96
15	New Chandra Observations of the Jet in 3C 273. I. Softer X-ray than Radio Spectra and the X-ray Emission Mechanism. <i>Astrophysical Journal</i> , 2006, 648, 900-909.	4.5	94
16	IACHEC CROSS-CALIBRATION OF CHANDRA, NuSTAR, SWIFT, SUZAKU, XMM-NEWTON WITH 3C 273 AND PKS 2155-304. <i>Astronomical Journal</i> , 2017, 153, 2.	4.7	93
17	Results from an Extensive Simultaneous Broadband Campaign on the Underluminous Active Nucleus M81*: Further Evidence for Mass-scaling Accretion in Black Holes. <i>Astrophysical Journal</i> , 2008, 681, 905-924.	4.5	90
18	<i>TGCat</i>: THE CHANDRA TRANSMISSION GRATING DATA CATALOG AND ARCHIVE. <i>Astronomical Journal</i> , 2011, 141, 129.	4.7	81

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19	Double-peaked X-Ray Lines from the Oxygen/Neon-rich Accretion Disk in 4U 1626+67. <i>Astrophysical Journal</i> , 2001, 563, 941-949.	4.5	80
20	[ITAL]Chandra[/ITAL] High-Resolution Spectrum of the Anomalous X-Ray Pulsar 4U 0142+61. <i>Astrophysical Journal</i> , 2002, 568, L31-L34.	4.5	58
21	Composition of the Chandra ACIS contaminant. , 2004, , .		57
22	The Imaging X-ray Polarimetry Explorer ( IXPE ). <i>Results in Physics</i> , 2016, 6, 1179-1180.	4.1	57
23	The Shape of the Relativistic Iron $K\alpha$ Line from MCG +6-30-15 Measured with the [ITAL]Chandra[/ITAL] High Energy Transmission Grating Spectrometer and the [ITAL]Rossi X-Ray Timing Explorer[/ITAL]. <i>Astrophysical Journal</i> , 2002, 570, L47-L50.	4.5	54
24	The X-Ray Afterglows of GRB 020813 and GRB 021004 with Chandra HETGS: Possible Evidence for a Supernova Prior to GRB 020813. <i>Astrophysical Journal</i> , 2003, 597, 1010-1016.	4.5	49
25	A CENSUS OF X-RAY GAS IN NGC 1068: RESULTS FROM 450 ks of CHANDRA HIGH ENERGY TRANSMISSION GRATING OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 780, 121.	4.5	46
26	MULTIWAVELENGTH OBSERVATIONS OF THE SS 433 JETS. <i>Astrophysical Journal</i> , 2013, 775, 75.	4.5	43
27	POLARIMETRY AND THE HIGH-ENERGY EMISSION MECHANISMS IN QUASAR JETS: THE CASE OF PKS 1136+135. <i>Astrophysical Journal</i> , 2013, 773, 186.	4.5	43
28	Multiwavelength observations of Hercules X-1/HZ Herculis. <i>Astrophysical Journal</i> , 1994, 436, L9.	4.5	42
29	Intrinsic Absorption in the Spectrum of Markarian 279: Simultaneous Chandra , FUSE , and STIS Observations. <i>Astrophysical Journal</i> , Supplement Series, 2004, 152, 1-27.	7.7	39
30	THE CHANDRA MULTI-WAVELENGTH PROJECT: OPTICAL SPECTROSCOPY AND THE BROADBAND SPECTRAL ENERGY DISTRIBUTIONS OF X-RAY-SELECTED AGNs. <i>Astrophysical Journal</i> , Supplement Series, 2012, 200, 17.	7.7	39
31	Intrinsic Absorption in the Spectrum of NGC 7469: Simultaneous Chandra, FUSE, and STIS Observations. <i>Astrophysical Journal</i> , 2005, 634, 193-209.	4.5	37
32	Chandra and RXTE Spectra of the Burster GS 1826+238. <i>Astrophysical Journal</i> , 2005, 634, 1261-1271.	4.5	37
33	RADIUS-EXPANSION BURST SPECTRA FROM 4U 1728+34: AN ULTRACOMPACT BINARY?. <i>Astrophysical Journal</i> , 2010, 724, 417-424.	4.5	35
34	Using the High-Resolution X-Ray Spectrum of PSR B0656+14 to Constrain the Chemical Composition of the Neutron Star Atmosphere. <i>Astrophysical Journal</i> , 2002, 574, 377-381.	4.5	33
35	An X-Ray Imaging Survey of Quasar Jets: The Complete Survey. <i>Astrophysical Journal</i> , 2018, 856, 66.	4.5	31
36	Flight spectral response of the ACIS instrument. , 2003, 4851, 89.		29

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37	Determining the Nature of the SS 433 Binary from an X-ray Spectrum during Eclipse. <i>Astrophysical Journal</i> , 2006, 650, 338-349.	4.5	29
38	<i>CHANDRA</i> DISCOVERY OF 10 NEW X-RAY JETS ASSOCIATED WITH FR II RADIO CORE-SELECTED AGNs IN THE MOJAVE SAMPLE. <i>Astrophysical Journal</i> , 2011, 730, 92.	4.5	29
39	AChandraHigh-Energy Transition Grating Spectrometer Observation of the Quasar H1821+643 and Its Surrounding Cluster. <i>Astrophysical Journal</i> , 2002, 565, 86-95.	4.5	28
40	AChandraHETGS Observation of the Narrow-Line Seyfert 1 Galaxy Arakelian 564. <i>Astrophysical Journal</i> , 2004, 603, 456-462.	4.5	28
41	Multiwavelength Monitoring of the BL Lacertae Object PKS 2155 $\hat{\sim}$ 304 in 1994 May. II. TheIUECampaign. <i>Astrophysical Journal</i> , 1997, 486, 784-798.	4.5	28
42	Extreme-Ultraviolet ExplorerObservations of Hercules X $\hat{\sim}$ 1 at the End of the Short High State. <i>Astrophysical Journal</i> , 1999, 521, 328-331.	4.5	27
43	Cross Spectral Calibration of Suzaku, XMM-Newton, and Chandra with PKS 2155304 as an Activity of IACHEC. <i>Publication of the Astronomical Society of Japan</i> , 2011, 63, S657-S668.	2.5	27
44	ChandraObservations of Two High-Redshift Quasars. <i>Astrophysical Journal</i> , 2001, 555, 356-363.	4.5	25
45	EUVEObservations of Hercules X $\hat{\sim}$ 1 during a Short High-State Turnon. <i>Astrophysical Journal</i> , 2000, 542, 446-452.	4.5	24
46	Probing Unification with<i>Chandra</i>HETGS and<i>XMMâ€Newton</i>EPIC and RGS Spectroscopy of the Narrow Emission Line Galaxy NGC 2110. <i>Astrophysical Journal</i> , 2007, 671, 1345-1354.	4.5	24
47	Soft X-Ray Properties of the Binary Millisecond Pulsar J0437-4715. <i>Astrophysical Journal</i> , 1996, 462, 908.	4.5	23
48	A Long EUVE Observation of the Seyfert Galaxy RX J0437.4-4711. <i>Astrophysical Journal</i> , 1996, 464, 760.	4.5	22
49	The High-Resolution X-ray Spectrum of MR 2251 $\hat{\sim}$ 178 Obtained with theChandraHETGS. <i>Astrophysical Journal</i> , 2005, 627, 83-96.	4.5	22
50	THE SPECTACULAR RADIO-NEAR-IR-X-RAY JET OF 3C 111: THE X-RAY EMISSION MECHANISM AND JET KINEMATICS. <i>Astrophysical Journal</i> , 2016, 826, 109.	4.5	20
51	NuSTAR reveals the hidden nature of SS433. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1045-1058.	4.4	20
52	Some further information on the rapid burster MXB 1730-335. <i>Astrophysical Journal</i> , 1977, 214, L11.	4.5	20
53	The complicated evolution of the ACIS contamination layer over the mission life of the Chandra X-ray Observatory. , 2018, , .		20
54	Critical-angle transmission grating spectrometer for high-resolution soft x-ray spectroscopy on the International X-ray Observatory. <i>Proceedings of SPIE</i> , 2010, , .	0.8	19

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55	<title>Preliminary test results on spectral resolution of the Low Energy Transmission Grating Spectrometer on board of AXAF</title>. , 1997, , .		18
56	DEEP MULTIWAVEBAND OBSERVATIONS OF THE JETS OF 0208-512 AND 1202-262. Astrophysical Journal, 2011, 739, 65.	4.5	18
57	The optical luminosity function of quasars and low-luminosity active galactic nuclei. Astronomical Journal, 1987, 94, 628.	4.7	18
58	In-flight calibration of the Chandra high-energy transmission grating spectrometer. , 2004, , .		17
59	The Remarkably Featureless High-Resolution X-Ray Spectrum of Markarian 478. Astronomical Journal, 2003, 125, 459-464.	4.7	17
60	<title>X-ray calibration of the AXAF Low Energy Transmission Grating Spectrometer: effective area</title>. , 1997, , .		16
61	<title>Absolute effective area of the Chandra high-resolution mirror assembly (HRMA)</title>. , 2000, 4012, 28.		16
62	Development of a critical-angle transmission grating spectrometer for the International X-Ray Observatory. Proceedings of SPIE, 2009, , .	0.8	16
63	Relativistic Components of the Ultra-fast Outflow in the Quasar PDS 456 from Chandra/HETGS, NuSTAR, and XMM-Newton Observations. Astrophysical Journal, 2019, 873, 29.	4.5	16
64	Two Candidate High-redshift X-Ray Jets without Coincident Radio Jets. Astrophysical Journal, 2020, 904, 57.	4.5	16
65	Realistic inexpensive soft x-ray polarimeter and the potential scientific return. , 2003, 4843, 360.		13
66	The Imaging X-ray Polarimetry Explorer (IXPE): technical overview. , 2018, , .		13
67	The Geminga Pulsar: Soft X-Ray Variability and an [ITAL]EUVE[/ITAL] Observation. Astrophysical Journal, 1996, 473, L37-L40.	4.5	12
68	Analysis of Polarimetry Data with Angular Uncertainties. Astronomical Journal, 2021, 162, 134.	4.7	12
69	Chandra X-ray Observatory mirror effective area. , 2004, 5165, 482.		11
70	Spectrometer concept and design for X-ray astronomy using a blazed transmission grating. Proceedings of SPIE, 2007, , .	0.8	11
71	A Multi-band Study of the Remarkable Jet in Quasar 4C+19.44. Astrophysical Journal, 2017, 846, 119.	4.5	11
72	Design of a broadband soft x-ray polarimeter. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1.	1.8	11

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73	Modeling contamination migration on the Chandra X-ray Observatory II. Proceedings of SPIE, 2013, , .	0.8	10
74	EUVE Observations of PKS 2155+304: Variability, Spectra, and a Polarization Measurement Attempt. Astrophysical Journal, 2001, 549, 938-947.	4.5	10
75	High-Resolution Spectroscopy of X-Ray Quasars: Searching for the X-Ray Absorption from the Warm-Hot Intergalactic Medium. Astrophysical Journal, 2005, 633, 61-70.	4.5	10
76	An evaluation of a bake-out of the ACIS instrument on the Chandra X-Ray Observatory. , 2004, , .		9
77	OPTICAL DETECTION OF THE PICTOR A JET AND TIDAL TAIL: EVIDENCE AGAINST AN IC/CMB JET. Astrophysical Journal, 2015, 808, 92.	4.5	9
78	SYSTEMATIC UNCERTAINTIES IN THE SPECTROSCOPIC MEASUREMENTS OF NEUTRON STAR MASSES AND RADII FROM THERMONUCLEAR X-RAY BURSTS. III. ABSOLUTE FLUX CALIBRATION. Astrophysical Journal, 2016, 829, 48.	4.5	9
79	The Imaging X-ray Polarimetry Explorer (IXPE): technical overview III. , 2020, , .		9
80	Analysis and modeling of anomalous scattering in the AXAF HETGS. , 1998, , .		8
81	The Imaging X-Ray Polarimetry Explorer (IXPE): technical overview II. , 2019, , .		8
82	Optical design of diffraction-limited x-ray telescopes. Applied Optics, 2020, 59, 4901.	1.8	8
83	Arcus: the soft x-ray grating explorer. , 2019, , .		8
84	A Comprehensive X-Ray Report on AT2019wey. Astrophysical Journal, 2021, 920, 121.	4.5	8
85	Simultaneous radio and X-ray observations of MXB1837 + 05 (Ser X <sup>1</sup> ). Nature, 1978, 276, 799-800.	27.8	7
86	Relativistic X-ray jets at high redshift. Astronomische Nachrichten, 2019, 340, 30-34.	1.2	7
87	Discovery of Candidate X-Ray Jets in High-redshift Quasars. Astrophysical Journal, 2021, 914, 130.	4.5	7
88	The radio luminosity function of optically selected quasars. Astrophysical Journal, 1987, 316, 84.	4.5	7
89	Progress toward a soft x-ray polarimeter. Proceedings of SPIE, 2013, , .	0.8	6
90	A polarized view of the hot and violent universe. Experimental Astronomy, 0, , 1.	3.7	6

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91	Detecting and Measuring Sources at the Noise Limit. , 1992, , 247-263.		6
92	Line Variability in the High-Resolution X-Ray Spectrum of MCG +6-30-15. Astrophysical Journal, 2007, 655, 749-761.	4.5	6
93	The evolution of the ACIS contamination layer over the 16-year mission of the Chandra X-ray Observatory. Proceedings of SPIE, 2016, ,	0.8	6
94	In-flight effective area calibration of the Chandra low-energy transmission grating spectrometer. , 2003, , .		6
95	The rocket experiment demonstration of a soft x-ray polarimeter (REDSOX Polarimeter). , 2017, , .		6
96	Concordance: In-flight Calibration of X-Ray Telescopes without Absolute References. Astronomical Journal, 2021, 162, 254.	4.7	6
97	A soft x-ray polarimeter designed for broadband x-ray telescopes. , 2007, , .		5
98	Multiband Weighting of X-Ray Polarization Data. Astrophysical Journal, 2021, 907, 82.	4.5	5
99	Chandra/LETGS Studies of the Collisional Plasma in 4U 1626-67. Astrophysical Journal, 2021, 920, 142.	4.5	5
100	REDSOX: Monte-Carlo ray-tracing for a soft x-ray spectroscopy polarimeter. , 2017, , .		5
101	Optical observations of X-ray bursts from MXB 1837 + 05. Monthly Notices of the Royal Astronomical Society, 1979, 186, 287-291.	4.4	4
102	<title>Low-energy effective area of the Chandra low-energy transmission grating spectrometer</title>. , 2000, 4012, 700.		4
103	The evidence in the afterglow. Nature, 2002, 416, 484-485.	27.8	4
104	Is RXJ1856.5-3754 a strange quark star?. Nuclear Physics A, 2003, 718, 351-358.	1.5	4
105	The use of laterally graded multilayer mirrors for soft x-ray polarimetry. Proceedings of SPIE, 2015, , .	0.8	4
106	A small satellite version of a soft x-ray polarimeter. , 2020, , .		4
107	<title>Toward the calibration of the HETGS effective area</title>. , 1997, 3113, 144.		3
108	<title>Toward the calibration of the HETGS line response function</title>. , 1997, 3113, 160.		3

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109	Absolute effective areas of the HETGS. , 1998, 3444, 160.		3
110	Spectral features in the AXAF HETGS effective area using high-signal-continuum tests. , 1998, 3444, 64.		3
111	Probing the cosmic X-ray laboratory with the Chandra HETGS. , 2003, , .		3
112	Verifying the ACIS contamination model with 1E0102.2-7219. , 2004, , .		3
113	Updating the Chandra HETGS efficiencies using in-orbit observations. Proceedings of SPIE, 2012, , .	0.8	3
114	Understanding jets from sources straddling the Fanaroff-Riley divide. Proceedings of the International Astronomical Union, 2014, 10, 211-218.	0.0	3
115	Ray-tracing critical-angle transmission gratings for the X-ray Surveyor and Explorer-size missions. Proceedings of SPIE, 2016, , .	0.8	3
116	Modeling contamination migration on the Chandra X-ray Observatory IV. , 2017, , .		3
117	Laboratory progress in soft x-ray polarimetry. , 2017, , .		3
118	Blazed transmission grating technology development for the Arcus x-ray spectrometer explorer. , 2018, , .		3
119	Soft x-ray polarimeter laboratory tests. Proceedings of SPIE, 2010, , .	0.8	2
120	Broadband soft x-ray polarimetry. Proceedings of SPIE, 2010, , .	0.8	2
121	MODELING X-RAY EMISSION OF A STRAIGHT JET: PKS 0920-397. International Journal of Modern Physics D, 2010, 19, 879-885.	2.1	2
122	Modeling contamination migration on the Chandra X-ray Observatory: III. Proceedings of SPIE, 2015, , .	0.8	2
123	Calibration Concordance for Astronomical Instruments via Multiplicative Shrinkage. Journal of the American Statistical Association, 2019, 114, 1018-1037.	3.1	2
124	RXTE monitoring of PKS 2155-304 in May and November 1996. Nuclear Physics, Section B, Proceedings Supplements, 1999, 69, 419-422.	0.4	1
125	The X-ray Spectrum of the Jets in the SS 433 System Using the Chandra HETGS. Astrophysics and Space Science, 2001, 276, 127-130.	1.4	1
126	The use of laterally graded multilayer mirrors for soft X-ray polarimetry. Proceedings of SPIE, 2014, , .	0.8	1



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127	Evolution of low luminosity quasars. , 1988, , 424-426.		1
128	Concordance: In-flight calibration of x-ray telescopes without absolute references (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70		1
129	Algorithms for the Analysis of Data from the Extreme Ultraviolet Explorer. , 1989, , 169-177.		1
130	Component testing for x-ray spectroscopy and polarimetry. , 2019, , .		1
131	A revised model of the temporal behavior of the ACIS contamination layer on the Chandra X-ray Observatory. , 2020, , .		1
132	CAT grating alignment and testing for soft x-ray polarimetry. , 2020, , .		1
133	<title>Conceptual design of a fast soft x-ray stellar polarimeter</title>. , 1994, , .		0
134	EUVE/ASCA/RXTE observations of NGC 5548. AIP Conference Proceedings, 2001, , .	0.4	0
135	Multiple High-resolution Chandra Grating Observations of Her X-1. AIP Conference Proceedings, 2008, , .	0.4	0
136	The Globe Orbiting Soft X-ray (GOSoX) polarimeter concept study. , 2021, , .		0
137	Chandra Detection of X-Ray Absorption from Local Warm/Hot Gas. Astrophysics and Space Science Library, 2003, , 97-102.	2.7	0
138	Chandra Detection of X-ray Absorption from Local Warm/Hot Gas. Astrophysics and Space Science Library, 2004, , 65-70.	2.7	0
139	Ray-tracing a SmallSat for soft-x-ray polarimetry. , 2020, , .		0