

Herman L Marshall

List of Publications by Year in descending order

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139
papers

4,364
citations

126907

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h-index

118850

62
g-index

142
all docs

142
docs citations

142
times ranked

3290
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiband Weighting of X-Ray Polarization Data. <i>Astrophysical Journal</i> , 2021, 907, 82.	4.5	5
2	NuSTAR reveals the hidden nature of SS433. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1045-1058.	4.4	20
3	Discovery of Candidate X-Ray Jets in High-redshift Quasars. <i>Astrophysical Journal</i> , 2021, 914, 130.	4.5	7
4	The Globe Orbiting Soft X-ray (GOSoX) polarimeter concept study. , 2021, , .		0
5	Analysis of Polarimetry Data with Angular Uncertainties. <i>Astronomical Journal</i> , 2021, 162, 134.	4.7	12
6	Chandra/LETGS Studies of the Collisional Plasma in 4U 1626â€“67. <i>Astrophysical Journal</i> , 2021, 920, 142.	4.5	5
7	A Comprehensive X-Ray Report on AT2019wey. <i>Astrophysical Journal</i> , 2021, 920, 121.	4.5	8
8	Concordance: In-flight Calibration of X-Ray Telescopes without Absolute References. <i>Astronomical Journal</i> , 2021, 162, 254.	4.7	6
9	A small satellite version of a soft x-ray polarimeter. , 2020, , .		4
10	The Imaging X-ray Polarimetry Explorer (IXPE): technical overview III. , 2020, , .		9
11	Optical design of diffraction-limited x-ray telescopes. <i>Applied Optics</i> , 2020, 59, 4901.	1.8	8
12	Two Candidate High-redshift X-Ray Jets without Coincident Radio Jets. <i>Astrophysical Journal</i> , 2020, 904, 57.	4.5	16
13	Ray-tracing a SmallSat for soft-x-ray polarimetry. , 2020, , .		0
14	A revised model of the temporal behavior of the ACIS contamination layer on the Chandra X-ray Observatory. , 2020, , .		1
15	CAT grating alignment and testing for soft x-ray polarimetry. , 2020, , .		1
16	Calibration Concordance for Astronomical Instruments via Multiplicative Shrinkage. <i>Journal of the American Statistical Association</i> , 2019, 114, 1018-1037.	3.1	2
17	Relativistic Components of the Ultra-fast Outflow in the Quasar PDS 456 from Chandra/HETGS, NuSTAR, and XMM-Newton Observations. <i>Astrophysical Journal</i> , 2019, 873, 29.	4.5	16
18	Relativistic X-ray jets at high redshift. <i>Astronomische Nachrichten</i> , 2019, 340, 30-34.	1.2	7

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19	The Imaging X-Ray Polarimetry Explorer (IXPE): technical overview II. , 2019, , .		8
20	Component testing for x-ray spectroscopy and polarimetry. , 2019, , .		1
21	Arcus: the soft x-ray grating explorer. , 2019, , .		8
22	An X-Ray Imaging Survey of Quasar Jets: The Complete Survey. <i>Astrophysical Journal</i> , 2018, 856, 66.	4.5	31
23	Design of a broadband soft x-ray polarimeter. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018, 4, 1.	1.8	11
24	The complicated evolution of the ACIS contamination layer over the mission life of the Chandra X-ray Observatory. , 2018, , .		20
25	The Imaging X-ray Polarimetry Explorer (IXPE): technical overview. , 2018, , .		13
26	Concordance: In-flight calibration of x-ray telescopes without absolute references (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46		1
27	Blazed transmission grating technology development for the Arcus x-ray spectrometer explorer. , 2018, , .		3
28	IACHEC CROSS-CALIBRATION OF CHANDRA, NuSTAR, SWIFT, SUZAKU, XMM-NEWTON WITH 3C 273 ANDPKS 2155-304. <i>Astronomical Journal</i> , 2017, 153, 2.	4.7	93
29	A Multi-band Study of the Remarkable Jet in Quasar 4C+19.44. <i>Astrophysical Journal</i> , 2017, 846, 119.	4.5	11
30	Modeling contamination migration on the Chandra X-ray Observatory IV. , 2017, , .		3
31	The rocket experiment demonstration of a soft x-ray polarimeter (REDSOX Polarimeter). , 2017, , .		6
32	REDSOX: Monte-Carlo ray-tracing for a soft x-ray spectroscopy polarimeter. , 2017, , .		5
33	Laboratory progress in soft x-ray polarimetry. , 2017, , .		3
34	The Imaging X-ray Polarimetry Explorer (IXPE). <i>Results in Physics</i> , 2016, 6, 1179-1180.	4.1	57
35	SYSTEMATIC UNCERTAINTIES IN THE SPECTROSCOPIC MEASUREMENTS OF NEUTRON STAR MASSES AND RADII FROM THERMONUCLEAR X-RAY BURSTS. III. ABSOLUTE FLUX CALIBRATION. <i>Astrophysical Journal</i> , 2016, 829, 48.	4.5	9
36	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

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37	Ray-tracing critical-angle transmission gratings for the X-ray Surveyor and Explorer-size missions. Proceedings of SPIE, 2016, , .	0.8	3
38	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
39	The Imaging X-ray Polarimetry Explorer (IXPE). Proceedings of SPIE, 2016, , .	0.8	107
40	The use of laterally graded multilayer mirrors for soft x-ray polarimetry. Proceedings of SPIE, 2015, , .	0.8	4
41	Modeling contamination migration on the Chandra X-ray Observatory III. Proceedings of SPIE, 2015, , .	0.8	2
42	OPTICAL DETECTION OF THE PICTOR A JET AND TIDAL TAIL: EVIDENCE AGAINST AN IC/CMB JET. Astrophysical Journal, 2015, 808, 92.	4.5	9
43	The use of laterally graded multilayer mirrors for soft X-ray polarimetry. Proceedings of SPIE, 2014, , .	0.8	1
44	A CENSUS OF X-RAY GAS IN NGC 1068: RESULTS FROM 450 ks of CHANDRA HIGH ENERGY TRANSMISSION GRATING OBSERVATIONS. Astrophysical Journal, 2014, 780, 121.	4.5	46
45	Understanding jets from sources straddling the Fanaroff-Riley divide. Proceedings of the International Astronomical Union, 2014, 10, 211-218.	0.0	3
46	MULTIWAVELENGTH OBSERVATIONS OF THE SS 433 JETS. Astrophysical Journal, 2013, 775, 75.	4.5	43
47	POLARIMETRY AND THE HIGH-ENERGY EMISSION MECHANISMS IN QUASAR JETS: THE CASE OF PKS 1136-135. Astrophysical Journal, 2013, 773, 186.	4.5	43
48	Progress toward a soft x-ray polarimeter. Proceedings of SPIE, 2013, , .	0.8	6
49	Modeling contamination migration on the Chandra X-ray Observatory II. Proceedings of SPIE, 2013, , .	0.8	10
50	THE CHANDRA MULTI-WAVELENGTH PROJECT: OPTICAL SPECTROSCOPY AND THE BROADBAND SPECTRAL ENERGY DISTRIBUTIONS OF X-RAY-SELECTED AGNs. Astrophysical Journal, Supplement Series, 2012, 200, 17.	7.7	39
51	Raytracing with MARX: x-ray observatory design, calibration, and support. Proceedings of SPIE, 2012, , .	0.8	100
52	Updating the Chandra HETGS efficiencies using in-orbit observations. Proceedings of SPIE, 2012, , .	0.8	3
53	CHANDRA DISCOVERY OF 10 NEW X-RAY JETS ASSOCIATED WITH FR II RADIO CORE-SELECTED AGNs IN THE MOJAVE SAMPLE. Astrophysical Journal, 2011, 730, 92.	4.5	29
54	DEEP MULTIWAVEBAND OBSERVATIONS OF THE JETS OF 0208-512 AND 1202-262. Astrophysical Journal, 2011, 739, 65.	4.5	18

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55	<i>TGCat</i>: THE<i>CHANDRA</i> TRANSMISSION GRATING DATA CATALOG AND ARCHIVE. <i>Astronomical Journal</i> , 2011, 141, 129.	4.7	81
56	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
57	RADIUS-EXPANSION BURST SPECTRA FROM 4U 1728â€“34: AN ULTRACOMPACT BINARY?. <i>Astrophysical Journal</i> , 2010, 724, 417-424.	4.5	35
58	Soft x-ray polarimeter laboratory tests. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
59	Broadband soft x-ray polarimetry. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
60	MODELING Xâ€“RAY EMISSION OF A STRAIGHT JET: PKS 0920-397. <i>International Journal of Modern Physics D</i> , 2010, 19, 879-885.	2.1	2
61	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
62	Development of a critical-angle transmission grating spectrometer for the International X-Ray Observatory. <i>Proceedings of SPIE</i> , 2009, , .	0.8	16
63	Multiple High-resolution Chandra Grating Observations of Her X-1. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
64	Results from an Extensive Simultaneous Broadband Campaign on the Underluminous Active Nucleus M81*: Further Evidence for Massâ€“scaling Accretion in Black Holes. <i>Astrophysical Journal</i> , 2008, 681, 905-924.	4.5	90
65	Spectrometer concept and design for X-ray astronomy using a blazed transmission grating. <i>Proceedings of SPIE</i> , 2007, , .	0.8	11
66	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
67	A soft x-ray polarimeter designed for broadband x-ray telescopes. , 2007, , .		5
68	Line Variability in the Highâ€“Resolution Xâ€“Ray Spectrum of MCG âˆ“6â€“30â€“15. <i>Astrophysical Journal</i> , 2007, 655, 749-761.	4.5	6
69	NewChandraObservations of the Jet in 3C 273. I. Softer Xâ€“Ray than Radio Spectra and the Xâ€“Ray Emission Mechanism. <i>Astrophysical Journal</i> , 2006, 648, 900-909.	4.5	94
70	Determining the Nature of the SS 433 Binary from an Xâ€“Ray Spectrum during Eclipse. <i>Astrophysical Journal</i> , 2006, 650, 338-349.	4.5	29
71	Intrinsic Absorption in the Spectrum of NGC 7469: SimultaneousChandra,FUSE, and STIS Observations. <i>Astrophysical Journal</i> , 2005, 634, 193-209.	4.5	37
72	ChandraandRXTESpectra of the Burster GS 1826â€“238. <i>Astrophysical Journal</i> , 2005, 634, 1261-1271.	4.5	37

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73	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
74	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
75	The High-Resolution X-Ray Spectrum of MR 2251+178 Obtained with the Chandra HETGS. <i>Astrophysical Journal</i> , 2005, 627, 83-96.	4.5	22
76	High-Resolution Spectroscopy of X-Ray Quasars: Searching for the X-Ray Absorption from the Warm-Hot Intergalactic Medium. <i>Astrophysical Journal</i> , 2005, 633, 61-70.	4.5	10
77	Verifying the ACIS contamination model with 1E0102.2-7219. , 2004, , .		3
78	Intrinsic Absorption in the Spectrum of Markarian 279: Simultaneous Chandra , FUSE , and STIS Observations. <i>Astrophysical Journal, Supplement Series</i> , 2004, 152, 1-27.	7.7	39
79	A Chandra HETGS Observation of the Narrow-Line Seyfert 1 Galaxy Arakelian 564. <i>Astrophysical Journal</i> , 2004, 603, 456-462.	4.5	28
80	Composition of the Chandra ACIS contaminant. , 2004, , .		57
81	Chandra X-ray Observatory mirror effective area. , 2004, 5165, 482.		11
82	In-flight calibration of the Chandra high-energy transmission grating spectrometer. , 2004, , .		17
83	An evaluation of a bake-out of the ACIS instrument on the Chandra X-Ray Observatory. , 2004, , .		9
84	Chandra Detection of X-ray Absorption from Local Warm/Hot Gas. <i>Astrophysics and Space Science Library</i> , 2004, , 65-70.	2.7	0
85	Is RXJ1856.5-3754 a strange quark star?. <i>Nuclear Physics A</i> , 2003, 718, 351-358.	1.5	4
86	Flight spectral response of the ACIS instrument. , 2003, 4851, 89.		29
87	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
88	Probing the cosmic X-ray laboratory with the Chandra HETGS. , 2003, , .		3
89	Realistic inexpensive soft x-ray polarimeter and the potential scientific return. , 2003, 4843, 360.		13
90	The Remarkably Featureless High-Resolution X-Ray Spectrum of Markarian 478. <i>Astronomical Journal</i> , 2003, 125, 459-464.	4.7	17

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91	In-flight effective area calibration of the Chandra low-energy transmission grating spectrometer. , 2003, , .		6
92	Chandra Detection of X-Ray Absorption from Local Warm/Hot Gas. Astrophysics and Space Science Library, 2003, , 97-102.	2.7	0
93	Is RX J1856.5 $\hat{\sim}$ 3754 a Quark Star?. Astrophysical Journal, 2002, 572, 996-1001.	4.5	183
94	AChandraHigh $\hat{\epsilon}$ Energy Transition Grating Spectrometer Observation of the Quasar H1821+643 and Its Surrounding Cluster. Astrophysical Journal, 2002, 565, 86-95.	4.5	28
95	Using the High $\hat{\epsilon}$ Resolution X $\hat{\epsilon}$ Ray Spectrum of PSR B0656+14 to Constrain the Chemical Composition of the Neutron Star Atmosphere. Astrophysical Journal, 2002, 574, 377-381.	4.5	33
96	[ITAL]Chandra[/ITAL] Detection of O [CSC]viii[/CSC] L[CLC]y[/CLC] $\hat{\pm}$ Absorption from an Overdense Region in the Intergalactic Medium. Astrophysical Journal, 2002, 572, L127-L130.	4.5	134
97	The Shape of the Relativistic Iron K $\hat{\pm}$ Line from MCG $\hat{\sim}$ 6-30-15 Measured with the [ITAL]Chandra[/ITAL] High Energy Transmission Grating Spectrometer and the [ITAL]Rossi X-Ray Timing Explorer[/ITAL]. Astrophysical Journal, 2002, 570, L47-L50.	4.5	54
98	The evidence in the afterglow. Nature, 2002, 416, 484-485.	27.8	4
99	X $\hat{\epsilon}$ Ray Spectral Variability and Rapid Variability of the Soft X $\hat{\epsilon}$ Ray Spectrum Seyfert 1 Galaxies Arakelian 564 and Ton S180. Astrophysical Journal, 2002, 568, 610-626.	4.5	343
100	The High $\hat{\epsilon}$ Resolution X $\hat{\epsilon}$ Ray Spectrum of SS 433 Using theChandraHETGS. Astrophysical Journal, 2002, 564, 941-952.	4.5	140
101	[ITAL]Chandra[/ITAL] High-Resolution Spectrum of the Anomalous X-Ray Pulsar 4U 0142+61. Astrophysical Journal, 2002, 568, L31-L34.	4.5	58
102	EUVE/ASCA/RXTE observations of NGC 5548. AIP Conference Proceedings, 2001, , .	0.4	0
103	Double $\hat{\epsilon}$ peaked X $\hat{\epsilon}$ Ray Lines from the Oxygen/Neon $\hat{\epsilon}$ rich Accretion Disk in 4U 1626 $\hat{\sim}$ 67. Astrophysical Journal, 2001, 563, 941-949.	4.5	80
104	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
105	EUVEObservations of PKS 2155 $\hat{\sim}$ 304: Variability, Spectra, and a Polarization Measurement Attempt. Astrophysical Journal, 2001, 549, 938-947.	4.5	10
106	Revealing the Dusty Warm Absorber in MCG $\hat{\sim}$ 6-30-15 with the [ITAL]Chandra[/ITAL] High-Energy Transmission Grating. Astrophysical Journal, 2001, 554, L13-L17.	4.5	154
107	ChandraObservations of Two High $\hat{\epsilon}$ Redshift Quasars. Astrophysical Journal, 2001, 555, 356-363.	4.5	25
108	EUVEObservations of Hercules X $\hat{\epsilon}$ 1 during a Short High $\hat{\epsilon}$ State Turn $\hat{\epsilon}$ on. Astrophysical Journal, 2000, 542, 446-452.	4.5	24

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109	<title>Low-energy effective area of the Chandra low-energy transmission grating spectrometer</title>. , 2000, 4012, 700.		4
110	<title>Absolute effective area of the Chandra high-resolution mirror assembly (HRMA)</title>. , 2000, 4012, 28.		16
111	Discovery of Spatial and Spectral Structure in the X-Ray Emission from the Crab Nebula. Astrophysical Journal, 2000, 536, L81-L84.	4.5	337
112	Complex Spectral Variability from Intensive Multiwavelength Monitoring of Markarian 421 in 1998. Astrophysical Journal, 2000, 542, L105-L109.	4.5	100
113	Extremeâ€œUltraviolet Explorer Observations of Hercules Xâ€œ1 at the End of the Short High State. Astrophysical Journal, 1999, 521, 328-331.	4.5	27
114	RXTE monitoring of PKS 2155-304 in May and November 1996. Nuclear Physics, Section B, Proceedings Supplements, 1999, 69, 419-422.	0.4	1
115	Analysis and modeling of anomalous scattering in the AXAF HETGS. , 1998, , .		8
116	Absolute effective areas of the HETGS. , 1998, 3444, 160.		3
117	Spectral features in the AXAF HETGS effective area using high-signal-continuum tests. , 1998, 3444, 64.		3
118	<title>Toward the calibration of the HETGS effective area</title>. , 1997, 3113, 144.		3
119	<title>Toward the calibration of the HETGS line response function</title>. , 1997, 3113, 160.		3
120	<title>X-ray calibration of the AXAF Low Energy Transmission Grating Spectrometer: effective area</title>. , 1997, , .		16
121	<title>Preliminary test results on spectral resolution of the Low Energy Transmission Grating Spectrometer on board of AXAF</title>. , 1997, , .		18
122	Multiwavelength Monitoring of the BL Lacertae Object PKS 2155âˆ’304 in 1994 May. III. Probing the Inner Jet through Multiwavelength Correlations. Astrophysical Journal, 1997, 486, 799-809.	4.5	96
123	Multiwavelength Monitoring of the BL Lacertae Object PKS 2155âˆ’304 in 1994 May. II. The IUE Campaign. Astrophysical Journal, 1997, 486, 784-798.	4.5	28
124	The Geminga Pulsar: Soft X-Ray Variability and an [ITAL]EUVE[/ITAL] Observation. Astrophysical Journal, 1996, 473, L37-L40.	4.5	12
125	Soft X-Ray Properties of the Binary Millisecond Pulsar J0437-4715. Astrophysical Journal, 1996, 462, 908.	4.5	23
126	A Long EUVE Observation of the Seyfert Galaxy RX J0437.4-4711. Astrophysical Journal, 1996, 464, 760.	4.5	22

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127	<title>Conceptual design of a fast soft x-ray stellar polarimeter</title>. , 1994, , .		0
128	Multiwavelength observations of Hercules X-1/HZ Herculis. <i>Astrophysical Journal</i> , 1994, 436, L9.	4.5	42
129	Detecting and Measuring Sources at the Noise Limit. , 1992, , 247-263.		6
130	Algorithms for the Analysis of Data from the Extreme Ultraviolet Explorer. , 1989, , 169-177.		1
131	Evolution of low luminosity quasars. , 1988, , 424-426.		1
132	The optical luminosity function of quasars and low-luminosity active galactic nuclei. <i>Astronomical Journal</i> , 1987, 94, 628.	4.7	18
133	The radio luminosity function of optically selected quasars. <i>Astrophysical Journal</i> , 1987, 316, 84.	4.5	7
134	Optical observations of X-ray bursts from MXB 1837 + 05. <i>Monthly Notices of the Royal Astronomical Society</i> , 1979, 186, 287-291.	4.4	4
135	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
136	Dual character of the rapid burster and a classification of X-ray bursts. <i>Nature</i> , 1978, 271, 630-633.	27.8	113
137	Simultaneous radio and X-ray observations of MXB1837 + 05 (Ser X ¹). <i>Nature</i> , 1978, 276, 799-800.	27.8	7
138	Some further information on the rapid burster MXB 1730-335. <i>Astrophysical Journal</i> , 1977, 214, L11.	4.5	20
139	A polarized view of the hot and violent universe. <i>Experimental Astronomy</i> , 0, , 1.	3.7	6