Gregory Brown

List of Publications by Year
in descending order

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205	6,426	57758	79698
papers	citations	44 h-index	73 g-index

209	209	209	3709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The X-Ray Observatory Suzaku. Publication of the Astronomical Society of Japan, 2007, 59, S1-S7.	2.5	823
2	The quiescent intracluster medium in the core of the Perseus cluster. Nature, 2016, 535, 117-121.	27.8	348
3	Energy Splitting of the Ground-State Doublet in the NucleusTh229. Physical Review Letters, 2007, 98, 142501.	7.8	239
4	Observations of the Effect of Ionization-Potential Depression in Hot Dense Plasma. Physical Review Letters, 2013, 110, 265003.	7.8	206
5	Laboratory Measurements and Modeling of the FexviiXâ€Ray Spectrum. Astrophysical Journal, 1998, 502, 1015-1026.	4.5	160
6	Laboratory Simulation of Charge Exchange-Produced X-ray Emission from Comets. Science, 2003, 300, 1558-1559.	12.6	158
7	An unexpectedly low oscillator strength as the origin of the Feâ€‰xvii emission problem. Nature, 2012, 492, 225-228.	27.8	133
8	Iron and Nickel Line Diagnostics for the Galactic Center Diffuse Emission. Publication of the Astronomical Society of Japan, 2007, 59, S245-S255.	2.5	130
9	The Suzaku High Resolution X-Ray Spectrometer. Publication of the Astronomical Society of Japan, 2007, 59, S77-S112.	2.5	123
10	Stimulated Electronic X-Ray Raman Scattering. Physical Review Letters, 2013, 111, 233902.	7.8	123
11	X-Ray Emission Following Low-Energy Charge Exchange Collisions of Highly Charged Ions. Physical Review Letters, 2000, 85, 5090-5093.	7.8	87
12	Laboratory Measurements and Identification of the Fe xviii â€“ xxiv Lâ€shell Xâ€Ray Line Emission. Astrophysical Journal, Supplement Series, 2002, 140, 589-607.	7.7	84
13	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. Astrophysical Journal Letters, 2017, 837, L15.	8.3	84
14	Solar abundance ratios of the iron-peak elements in the Perseus cluster. Nature, 2017, 551, 478-480.	27.8	73
15	Diagnostic Utility of the Relative Intensity of 3C to 3D in F[CLC]e[/CLC] [CSC]xvii[/CSC]. Astrophysical Journal, 2001, 557, L75-L78.	4.5	72
16	The Astro-E2 X-ray spectrometer/EBIT microcalorimeter x-ray spectrometer. Review of Scientific Instruments, 2004, 75, 3772-3774.	1.3	71
17	Experimental M1 Transition Rates of Coronal Lines from Arx, Arxiv, and Arxv. Astrophysical Journal, 2000, 541, 506-511.	4.5	69
18	X-Ray Velocimetry of Solar Wind Ion Impact on Comets. Astrophysical Journal, 2001, 549, L147-L150.	4.5	69

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19	Energy-Dependent Excitation Cross Section Measurements of the Diagnostic Lines of Fe XVII. Physical Review Letters, 2006, 96, 253201.	7.8	67
20	X-Ray Resonant Photoexcitation: Linewidths and Energies of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi><mml:mi>Î±</mml:mi></mml:math>Transitions in Highly Charged Fe Ions. Physical Review Letters, 2013, 111, 103002.	7.8	64
21	Hitomi (ASTRO-H) X-ray Astronomy Satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1.	1.8	64
22	Laboratory Measurements of the Relative Intensity of the 3[CLC][ITAL]s[/ITAL][/CLC]â€‰â†’â€‰2[CLC][ITAL]p[/ITAL][/CLC] and 3[CLC][ITAL]d[/ITAL][/CLC]â€‰â†’â€‰2[CLC][ITAL]p[/ITAL][/CLC] Transitions in F[CLC]e[/CLC] [CSC]xvii[/CSC]. Astrophysical Journal, 2002, 576, L169-L172.	4.5	62
23	Spectroscopy of M-shell x-ray transitions in Zn-like through Co-like W. Physica Scripta, 2010, 81, 015301.	2.5	61
24	Emission Lines of Feviiâ€“Fexin the Extreme Ultraviolet Region, 60â€“140 A. Astrophysical Journal, 2002, 578, 648-656.	4.5	60
25	Spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mn in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><. Physical Review A, 2009, 80, .	2.5	59
26	Polarization ofK-shell x-ray transitions ofTi19+andTi20+excited by an electron beam. Physical Review A, 1999, 60, 4156-4159.	2.5	58
27	Polarization measurements of the Lyman-Î±1x-ray emission lines of hydrogenlikeAr17+andFe25+at high electron-impact energies. Physical Review A, 2006, 74, .	2.5	57
28	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	57
29	Determination of the Charge State Distribution of a Highly Ionized Coronal Au Plasma. Physical Review Letters, 2003, 90, 235001.	7.8	56
30	The XRS microcalorimeter spectrometer at the Livermore electron beam ion trap. Canadian Journal of Physics, 2008, 86, 231-240.	1.1	56
31	Tungsten spectroscopy at the Livermore electron beam ion trap facility¹This review is part of a Special Issue on the 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas.. Canadian Journal of Physics, 2011, 89, 571-580.	1.1	56
32	Observation of Quasi-Continuum Line Emission from F[CLC]e[/CLC] [CSC]vii[/CSC] to F[CLC]e[/CLC] [CSC]x[/CSC] in the Extreme-Ultraviolet Region below 140 Ã.... Astrophysical Journal, 1999, 519, L185-L188.	4.5	55
33	Measurements of Electron Transport in Foils Irradiated with a Picosecond Time Scale Laser Pulse. Physical Review Letters, 2011, 106, 185003.	7.8	54
34	Wide-band, high-resolution soft x-ray spectrometer for the Electron Beam Ion Trap. Review of Scientific Instruments, 1999, 70, 280-283.	1.3	52
35	Measurement of an unusualM1transition in the ground state of Ti-likeW52+. Physical Review A, 2000, 61, .	2.5	52
36	The Astro-H high resolution soft x-ray spectrometer. Proceedings of SPIE, 2016, , .	0.8	51

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37	Benchmarking the MEKAL spectral code with solar X-ray spectra. Astronomy and Astrophysics, 1999, 138, 381-393.	2.1	51
38	The high-resolution x-ray microcalorimeter spectrometer system for the SXS on ASTRO-H. Proceedings of SPIE, 2010, , .	0.8	50
39	EBIT charge-exchange measurements and astrophysical applications. Canadian Journal of Physics, 2008, 86, 151-169.	1.1	48
40	Systematic measurement of the relative electron-impact excitation cross section of the3dâ†'2p1P1resonance and3D1intercombination lines in mid-Zneonlike ions. Physical Review A, 2001, 63, .	2.5	47
41	Atomic data and spectral modeling constraints from high-resolution X-ray observations of the Perseus cluster with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	46
42	The ASTRO-H X-ray astronomy satellite. Proceedings of SPIE, 2014, , .	0.8	45
43	Grazing-incidence measurements of L-shell line emission from highly charged Fe in the soft x-ray region. Review of Scientific Instruments, 1999, 70, 284-287.	1.3	44
44	Time-resolved soft-x-ray spectroscopy of a magnetic octupole transition in nickel-like xenon, cesium, and barium ions. Physical Review A, 2006, 73, .	2.5	44
45	The first data from the Orion laser; measurements of the spectrum of hot, dense aluminium. High Energy Density Physics, 2013, 9, 661-671.	1.5	44
46	Improved electron-beam ion-trap lifetime measurement of theNe8+â€,1s2s3S1level. Physical Review A, 1999, 60, 2034-2038.	2.5	37
47	Laboratory astrophysics using a spare XRS microcalorimeter. , 2000, , .		37
48	Observation of Hyperfine Mixing in Measurements of a Magnetic OctupoleDecay in Isotopically Pure Nickel-LikeXe129andXe132Ions. Physical Review Letters, 2007, 98, 263001.	7.8	37
49	Laboratory Measurements of Rexxulane Emission documentclass{aastex} usepackage{amsbsy} usepackage{amsfonts} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{ enewcommandmdefault{wncyr} enewcommandsfdefault{wncyss} enewcommandencodingdefault{OT2} ormalfont selectfont} DeclareTextFontCommand{extcyr}	4.5	34
50	Simulating a Maxwellian plasma using an electron beam ion trap. Review of Scientific Instruments, 2000, 71, 3362-3372.	1.3	34
51	ExperimentalM1transition rates in K XI, K XV, and K XVI. Physical Review A, 2001, 64, .	2.5	34
52	Precision Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi></mml:math>-Shell Spectrum from Highly Charged Xenon with an Array of X-Ray Calorimeters. Physical Review Letters, 2009, 103, 163001.	7.8	34
53	Electron temperature measurements inside the ablating plasma of gas-filled hohlraums at the National Ignition Facility. Physics of Plasmas, 2016, 23, .	1.9	34
54	ChandraX-ray spectroscopy of focused wind in the Cygnus X-1 system. Astronomy and Astrophysics, 2016, 590, A114.	5.1	33

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55	Investigation of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:msub><mml:mi>p</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo emission of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mro. Physical Review E, 2008, 77, 066406.	2.1	31
56	Resolve Instrument on X-ray Astronomy Recovery Mission (XARM). Journal of Low Temperature Physics, 2018, 193, 991-995.	1.4	31
57	Laboratory Measurements of Iron Lâ€Shell Emission: 3â†'2 Transitions of Fexxiâ€“xxivbetween 10.5 and 12.5 A. Astrophysical Journal, 2001, 563, 462-471.	4.5	31
58	Performance of the EBIT calorimeter spectrometer. Review of Scientific Instruments, 2008, 79, 10E307.	1.3	29
59	Soft x-ray spectrometer (SXS): the high-resolution cryogenic spectrometer onboard ASTRO-H. Proceedings of SPIE, 2014, , .	0.8	29
60	LABORATORY MEASUREMENTS OF THE K-SHELL TRANSITION ENERGIES IN L-SHELL IONS OF SI AND S. Astrophysical Journal, 2016, 830, 26.	4.5	29
61	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	29
62	High-resolution measurements of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Cl</mml:mi></mml:mrow> <mml:mrow><mml:mn line shifts in hot, solid-density plasmas. Physical Review A, 2019, 100, .	2.5	28
63	Experimental study of the x-ray transitions in the heliumlike isoelectronic sequence: Updated results. Physical Review A, 2015, 91, .	2.5	27
64	Hitomi observation of radio galaxy NGCâ€‰1275: The first X-ray microcalorimeter spectroscopy of Fe-KÎ± line emission from an active galactic nucleus. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	27
65	ExperimentalM1transition rates in highly charged Kr ions. Physical Review A, 2001, 64, .	2.5	26
66	Laboratory Measurements of 3â€‰â†'â€‰2 X-Ray Emission Lines of Ne-like Ni xix. Astrophysical Journal, 2004, 607, L143-L146.	4.5	26
67	High-resolution crystal spectrometer for the 10â€“60â€‚Ã… extreme ultraviolet region. Review of Scientific Instruments, 2004, 75, 3720-3722.	1.3	26
68	Electron Impact Excitation Cross Section Measurement forn= 3 ton= 2 Line Emission in Fe17+to Fe23+. Astrophysical Journal, 2006, 646, 653-665.	4.5	26
69	On Photospheric Fluorescence and the Nature of the 17.62 A Feature in Solar Xâ€Ray Spectra. Astrophysical Journal, 1999, 521, 839-843.	4.5	26
70	The EBIT Calorimeter Spectrometer: AÂNew,ÂPermanent User Facility at the LLNL EBIT. Journal of Low Temperature Physics, 2008, 151, 1061-1066.	1.4	25
71	High Resolution Photoexcitation Measurements Exacerbate the Long-Standing Fe XVII Oscillator Strength Problem. Physical Review Letters, 2020, 124, 225001.	7.8	25
72	Measurement of Emission Cross Sections for n â€‰=â€‰3â€‰â†'â€‰2 Lines in Li-like Fe ²³⁺. Astrophysical Journal, 2002, 567, L169-L172.	4.5	24

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73	High-resolution spectroscopy of K-shell praseodymium with a high-energy microcalorimeter. Canadian Journal of Physics, 2008, 86, 241-244.	1.1	24
74	Laboratory Measurements of Highâ€•n Iron Lâ€Shell Xâ€Ray Lines. Astrophysical Journal, Supplement Series, 2007, 168, 319-336.	7.7	23
75	Extended-range grazing-incidence spectrometer for high-resolution extreme ultraviolet measurements on an electron beam ion trap. Review of Scientific Instruments, 2014, 85, 11E422.	1.3	23
76	Absolute wavelength measurement of the Lyman-Î± transitions of hydrogenicMg11+. Physical Review A, 1998, 57, 945-948.	2.5	22
77	The detector subsystem for the SXS instrument on the ASTRO-H Observatory. Proceedings of SPIE, 2010, , .	0.8	21
78	Calibration of a flat field soft x-ray grating spectrometer for laser produced plasmas. Review of Scientific Instruments, 2010, 81, 10E319.	1.3	21
79	Detection of polarized gamma-ray emission from the Crab nebula with the Hitomi Soft Gamma-ray Detector. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	21
80	ChandraX-ray spectroscopy of the focused wind in the Cygnus X-1 system. Astronomy and Astrophysics, 2019, 626, A64.	5.1	21
81	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1.	1.8	21
82	Multiparameter data acquisition system for spectroscopy. Review of Scientific Instruments, 2001, 72, 508-512.	1.3	20
83	Wavelength Measurements of Ni Lâ€Shell Lines between 9 and 15 A. Astrophysical Journal, 2007, 657, 1172-1177.	4.5	20
84	System for calibrating the energy-dependent response of an elliptical Bragg-crystal spectrometer. Review of Scientific Instruments, 2014, 85, 11D626.	1.3	20
85	Temperature structure in the Perseus cluster core observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	20
86	The ITER core imaging x-ray spectrometer: X-ray calorimeter performance. Review of Scientific Instruments, 2010, 81, 10E323.	1.3	19
87	The High-Resolution X-Ray Microcalorimeter Spectrometer, SXS, on Astro-H. Journal of Low Temperature Physics, 2012, 167, 795-802.	1.4	19
88	Excitation Cross Section Measurement forn= 3 ton= 2 Line Emission in Fe20+to Fe23+. Astrophysical Journal, 2005, 618, 1086-1094.	4.5	18
89	A brief review of the intensity of lines 3C and 3D in neon-like Fe XVII. Canadian Journal of Physics, 2008, 86, 199-208.	1.1	18
90	MEASUREMENT AND MODELING OF Na-LIKE Fe XVI INNER-SHELL SATELLITES BETWEEN 14.5 Ã... AND 18 Ã.... Astrophysical Journal, 2009, 695, 818-824.	4.5	18

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91	Lineshape spectroscopy with a very high resolution, very high signal-to-noise crystal spectrometer. Review of Scientific Instruments, 2016, 87, 063501.	1.3	18
92	Measurement of Anomalously Strong Emission from the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mi>s</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mn>9</mml:mn><mml:mi>p</mml:mi></mml:math>Transition in the Spectrum of H-Like Phosphorus Following Charge Exchange with Molecular Hydrogen. Physical Review Letters, 2010, 105, 063201.	7.8	16
93	Xâ€Ray Signature of Charge Exchange in the Spectra of Lâ€Shell Iron Ions. Astrophysical Journal, 2008, 672, 726-732.	4.5	15
94	In-orbit operation of the ASTRO-H SXS. , 2016, , .		15
95	Improved Electron-Beam Ion-Trap Lifetime Measurement of the 1s2s3S1Level in N5+and F7+. Physica Scripta, 2000, 62, 141-144.	2.5	14
96	Development of M-shell x-ray spectroscopy and spectropolarimetry of z-pinch tungsten plasmas. Review of Scientific Instruments, 2004, 75, 3750-3752.	1.3	14
97	Hyperfine Splitting of the 2s2p3P2,1 Level in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>2</mml:mn><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo stretchy="false">/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>2</mml:mn><mml:msub><mml:mi>p</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo stretchy="false">/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> Levels. Physi	7.8	14
98	Use of a priori spectral information in the measurement of x-ray flux with filtered diode arrays. Review of Scientific Instruments, 2015, 86, 103511.	1.3	14
99	Laboratory Calibrations of Fe xiiâ€“xiv Line-intensity Ratios for Electron Density Diagnostics. Astrophysical Journal, 2020, 890, 77.	4.5	14
100	Highâ€“resolution measurements of the K-shell spectral lines of hydrogenlike and heliumlike xenon. , 2000, , .		13
101	An overview of EBIT data needed for experiments on laser-producedplasmas. Canadian Journal of Physics, 2008, 86, 259-266.	1.1	13
102	Low charge states of Si and S in Cygnus X-1. Physica Scripta, 2013, T156, 014008.	2.5	13
103	Search for 1s2s3S1â€“1s2p3P2decay inU90+. Physical Review A, 1996, 53, 4000-4006.	2.5	12
104	A high-resolution transmission-type x-ray spectrometer designed for observation of the KÎ± transitions of highly charged high-Z ions. Review of Scientific Instruments, 1997, 68, 1087-1090.	1.3	12
105	X-ray Measurements of Charge Transfer Reactions Involving Cold, Very Highly Charged Ions. Physica Scripta, 1999, T80, 121.	2.5	12
106	Absolute wavelength measurement of the Lyman-Î± transition of hydrogen-like silicon. Canadian Journal of Physics, 2002, 80, 867-874.	1.1	12
107	Laser ablation system for the injection of neutral materials into an electron beam ion trap. Review of Scientific Instruments, 2006, 77, 10F106.	1.3	12
108	OZSPEC-2: An improved broadband high-resolution elliptical crystal x-ray spectrometer for high-energy density physics experiments (invited). Review of Scientific Instruments, 2008, 79, 10E303.	1.3	12

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109	Rapid, absolute calibration of x-ray filters employed by laser-produced plasma diagnostics. Review of Scientific Instruments, 2008, 79, 10E309.	1.3	12
110	Development of a time-resolved soft x-ray spectrometer for laser produced plasma experiments. Review of Scientific Instruments, 2010, 81, 10E318.	1.3	12
111	Laboratory measurements of the dielectronic recombination satellite transitions of He-like Fe XXV and H-like Fe XXVI. Canadian Journal of Physics, 2012, 90, 351-357.	1.1	12
112	Brown and Beiersdorfer Reply:. Physical Review Letters, 2012, 108, .	7.8	12
113	Observation of highly disparate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>K</mml:mi></mml:math>-shell x-ray spectra produced by charge exchange with bare mid-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Z</mml:mi></mml:math>ions. Physical Review A, 2014, 90, .	2.5	12
114	Avoided level crossings in very highly charged ions. Physical Review A, 2016, 93, .	2.5	12
115	Laboratory Measurements of 3â€‰â†’â€‰2 Xâ€Ray Line Ratios of Fâ€like Fe<scp>xviii</scp>and Ni<scp>xx</scp>. Astrophysical Journal, 2007, 670, 1504-1509.	4.5	11
116	High resolution soft x-ray spectroscopy of low Z K-shell emission from laser-produced plasmas. Review of Scientific Instruments, 2008, 79, 10E314.	1.3	11
117	Rest-wavelength fiducials for the ITER core imaging x-ray spectrometer. Review of Scientific Instruments, 2012, 83, 10E111.	1.3	11
118	Imaging crystal spectrometer for high-resolution x-ray measurements on electron beam ion traps and tokamaks. Review of Scientific Instruments, 2016, 87, 11E339.	1.3	11
119	Lineshape measurements of He-Î² spectra on the ORION laser facility. Physics of Plasmas, 2016, 23, .	1.9	11
120	Measuring the ionization balance of gold in a low-density plasma ofimportance to inertial confinement fusion. Canadian Journal of Physics, 2008, 86, 251-258.	1.1	10
121	A brief overview of the Fusion and Astrophysics Data and Diagnostic Calibration Facility. Proceedings of SPIE, 2010, , .	0.8	10
122	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:msub><mml:mi>s</mml:mi><mml:mr line of sodiumlike<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Eu</. Physical Review A, 2015, 92, .	2.5	10
123	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-Ray Spectrometer. Proceedings of SPIE, 2016, , .	0.8	10
124	Overview of the current spectroscopy effort on the Livermore electron beam ion traps. Hyperfine Interactions, 1996, 99, 203-215.	0.5	9
125	L-shell spectroscopy of Au as a temperature diagnostic tool. Review of Scientific Instruments, 2008, 79, 10E313.	1.3	9
126	Measuring plasma impurities in Alcator C-Mod as a function of time in the extreme ultraviolet¹This article is part of a Special Issue on the 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas.. Canadian Journal of Physics, 2011, 89, 653-656.	1.1	9

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127	Rare-earth neutral metal injection into an electron beam ion trap plasma. Review of Scientific Instruments, 2014, 85, 11E820.	1.3	9
128	Calibration of the OHREX high-resolution imaging crystal spectrometer at the Livermore electron beam ion traps. Review of Scientific Instruments, 2016, 87, 11D604.	1.3	9
129	High-resolution Laboratory Measurements of K-shell X-Ray Line Polarization and Excitation Cross Sections in Helium-like S XV Ions. Astrophysical Journal, 2021, 914, 34.	4.5	9
130	X-RAY SIGNATURE OF CHARGE EXCHANGE IN L-SHELL SULFUR IONS. Astrophysical Journal, 2009, 702, 171-177.	4.5	8
131	Evolution of X-ray calorimeter spectrometers at the Lawrence Livermore Electron Beam Ion Trap. Journal of Physics: Conference Series, 2009, 163, 012105.	0.4	8
132	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. , 2016, , .		8
133	High-resolution Charge Exchange Spectra with L-shell Nickel Show Striking Differences from Models. Astrophysical Journal Letters, 2018, 868, L17.	8.3	8
134	Search for thermal X-ray features from the Crab nebula with the Hitomi soft X-ray spectrometer. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
135	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
136	Hitomi X-ray observation of the pulsar wind nebula G21.5â^'0.9. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
137	Laboratory Measurements of X-Ray Emission from Highly Charged Argon Ions. Astrophysical Journal, 2019, 870, 21.	4.5	8
138	Highly charged ions in a new era of high resolution Xâ€ray astrophysics. X-Ray Spectrometry, 2020, 49, 218-233.	1.4	8
139	High-Precision Determination of Oxygen <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>K</mml:mi></mml:mrow><mml:mrow><mml:mi>β</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> Transition Energy Excludes Incongruent Motion of Interstellar Oxygen. Physical Review Letters, 2020, 125, 243001.	7.8	8
140	Proposed wavelength measurements of silicon X-ray spectra: Application to Vela X-1. Canadian Journal of Physics, 2008, 86, 183-189.	1.1	7
141	The transition-edge EBIT microcalorimeter spectrometer. , 2014, , .		7
142	Measurements of the effective electron density in an electron beam ion trap using extreme ultraviolet spectra and optical imaging. Review of Scientific Instruments, 2018, 89, 10E119.	1.3	7
143	Observation of He-like Satellite Lines of the H-like Potassium K xix Emission. Astrophysical Journal, 2019, 881, 92.	4.5	7
144	Observation of strong two-electronâ€“one-photon transitions in few-electron ions. Physical Review A, 2020, 102, .	2.5	7

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145	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-ray Spectrometer. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1.	1.8	7
146	X-ray signatures of charge transfer reactions involving cold, very highly charged ions. AIP Conference Proceedings, 2000, , .	0.4	6
147	High-energy electron-impact excitation cross sections of hydrogenlike iron and nickel ions. Journal of Physics: Conference Series, 2009, 163, 012036.	0.4	6
148	X-ray Measurements of Highly Charged Europium. Journal of Physics: Conference Series, 2015, 583, 012009.	0.4	6
149	Simulations of a Maxwellian Plasma using an Electron Beam Ion Trap. Physica Scripta, 1999, T80, 312.	2.5	5
150	Micro-X: Mission Overview and Science Goals. Journal of Low Temperature Physics, 2008, 151, 740-745.	1.4	5
151	Analog and digital simulations of Maxwellian plasmas forastrophysics. Canadian Journal of Physics, 2008, 86, 209-216.	1.1	5
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