

Gregory Brown

List of Publications by Year in descending order

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205
papers

6,426
citations

57758

44
h-index

79698

73
g-index

209
all docs

209
docs citations

209
times ranked

3709
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion energy distribution in an electron beam ion trap inferred from simulations of the trapped ion cloud. <i>Physical Review E</i> , 2022, 105, 015204.	2.1	1
2	A new benchmark of soft X-ray transition energies of Ne , CO_{2} , and SF_{6} : paving a pathway towards ppm accuracy. <i>European Physical Journal D</i> , 2022, 76, 38.	1.3	1
3	Absolute throughput calibration of multiple spherical crystals for the Orion High-Resolution X-ray spectrometer (OHREX). <i>Review of Scientific Instruments</i> , 2021, 92, 023509.	1.3	5
4	Recent enhancements in the performance of the Orion high-resolution x-ray spectrometers. <i>Review of Scientific Instruments</i> , 2021, 92, 043507.	1.3	0
5	High-resolution Laboratory Measurements of K-shell X-Ray Line Polarization and Excitation Cross Sections in Helium-like S XV Ions. <i>Astrophysical Journal</i> , 2021, 914, 34.	4.5	9
6	Microcalorimeter measurement of x-ray spectra from a high-temperature magnetically confined plasma. <i>Review of Scientific Instruments</i> , 2021, 92, 063520.	1.3	2
7	EUV spectra of europium—Chasing for spectral lines of Eu -like ions. <i>X-Ray Spectrometry</i> , 2020, 49, 209-212.	1.4	1
8	Highly charged ions in a new era of high resolution X-ray astrophysics. <i>X-Ray Spectrometry</i> , 2020, 49, 218-233.	1.4	8
9	Observation of strong two-electron—one-photon transitions in few-electron ions. <i>Physical Review A</i> , 2020, 102, .	2.5	7
10	High-Precision Determination of Oxygen K_{α} Transition Energy Excludes Incongruent Motion of Interstellar Oxygen. <i>Physical Review Letters</i> , 2020, 125, 243001.	1.5	8
11	High Resolution Photoexcitation Measurements Exacerbate the Long-Standing Fe XVII Oscillator Strength Problem. <i>Physical Review Letters</i> , 2020, 124, 225001.	7.8	25
12	Laboratory Calibrations of Fe K_{α} Line-intensity Ratios for Electron Density Diagnostics. <i>Astrophysical Journal</i> , 2020, 890, 77.	4.5	14
13	Transition energy measurements of the X-ray lines of neon-like europium. <i>Canadian Journal of Physics</i> , 2020, 98, 239-242.	1.1	3
14	Measurements of inner-shell excited levels of Na-, Mg-, and Al-like europium on the LLNL EBIT. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 175001.	1.5	1
15	Enhanced Fluorescence from X-Ray Line Coincidence Pumping. <i>Springer Proceedings in Physics</i> , 2020, , 29-35.	0.2	0
16	High-resolution measurements of Cl_{α} line shifts in hot, solid-density plasmas. <i>Physical Review A</i> , 2019, 100, .	2.5	28
17	Observation of He-like Satellite Lines of the H-like Potassium K_{α} Emission. <i>Astrophysical Journal</i> , 2019, 881, 92.	4.5	7
18	Relativistic MR-MP Energy Levels for L-shell Ions of Iron. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 9.	7.7	4

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19	Polarization measurements of Ne-like Mo ³²⁺ x-ray lines excited by an electron beam. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 195002.	1.5	5
20	Measurements and calculations of $2s \rightarrow 2p$ transitions in neonlike germanium: Achieving agreement at the 10^{-3} level. <i>Physical Review A</i> , 2019, 100, .	2.5	3
21	<i>Chandra</i> X-ray spectroscopy of the focused wind in the Cygnus X-1 system. <i>Astronomy and Astrophysics</i> , 2019, 626, A64.	5.1	21
22	Laboratory Measurements of X-Ray Emission from Highly Charged Argon Ions. <i>Astrophysical Journal</i> , 2019, 870, 21.	4.5	8
23	Enhanced fluorescence from x-ray line coincidence pumping of K-pumped Cl and Mg-pumped Ge plasmas. , 2019, , .		0
24	Resolve Instrument on X-ray Astronomy Recovery Mission (XARM). <i>Journal of Low Temperature Physics</i> , 2018, 193, 991-995.	1.4	31
25	Atomic data and spectral modeling constraints from high-resolution X-ray observations of the Perseus cluster with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	46
26	Detection of polarized gamma-ray emission from the Crab nebula with the Hitomi Soft Gamma-ray Detector. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	21
27	Measurements of the effective electron density in an electron beam ion trap using extreme ultraviolet spectra and optical imaging. <i>Review of Scientific Instruments</i> , 2018, 89, 10E119.	1.3	7
28	High resolution, high signal-to-noise crystal spectrometer for measurements of line shifts in high-density plasmas. <i>Review of Scientific Instruments</i> , 2018, 89, 10F120.	1.3	5
29	Experimental comparison of spherically bent HAPG and Ge crystals. <i>Review of Scientific Instruments</i> , 2018, 89, 10F121.	1.3	1
30	The Warm Electron Beam Ion Trap (WEBIT): An instrument for ground calibration of space-borne x-ray spectrometers. <i>Review of Scientific Instruments</i> , 2018, 89, 10F124.	1.3	1
31	High-resolution Charge Exchange Spectra with L-shell Nickel Show Striking Differences from Models. <i>Astrophysical Journal Letters</i> , 2018, 868, L17.	8.3	8
32	Search for thermal X-ray features from the Crab nebula with the Hitomi soft X-ray spectrometer. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	8
33	Hitomi observations of the LMC SNR N132D: Highly redshifted X-ray emission from iron ejecta. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	5
34	Glimpse of the highly obscured HMXB IGR J16318-4848 with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	4
35	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	8
36	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	29

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37	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	57
38	Hitomi observation of radio galaxy NGC 1275: The first X-ray microcalorimeter spectroscopy of Fe-K \pm line emission from an active galactic nucleus. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	27
39	Temperature structure in the Perseus cluster core observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	20
40	Hitomi X-ray observation of the pulsar wind nebula G21.5 $\hat{0}$.9. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
41	Hitomi (ASTRO-H) X-ray Astronomy Satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1.	1.8	64
42	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 4, 1.	1.8	21
43	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
44	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. Astrophysical Journal Letters, 2017, 837, L15.	8.3	84
45	Searching for dielectronic satellite lines associated with 3s \hat{a} 2p transitions in Fe XVII. AIP Conference Proceedings, 2017, , .	0.4	1
46	Measurement of electron impact collisional excitation cross sections of Ni to Ge-like gold. AIP Conference Proceedings, 2017, , .	0.4	1
47	Resonance-to-intercombination-line ratios of neonlike ions in the relativistic regime. Physical Review A, 2017, 95, .	2.5	5
48	Measurement and simulation of the temperature evolution of a short pulse laser heated buried layer target. High Energy Density Physics, 2017, 25, 15-19.	1.5	3
49	Solar abundance ratios of the iron-peak elements in the Perseus cluster. Nature, 2017, 551, 478-480.	27.8	73
50	L-shell spectroscopic diagnostics of radiation from krypton HED plasma sources. Review of Scientific Instruments, 2016, 87, 11E315.	1.3	3
51	<i>Chandra</i> X-ray spectroscopy of focused wind in the Cygnus X-1 system. Astronomy and Astrophysics, 2016, 590, A114.	5.1	33
52	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
53	The quiescent intracluster medium in the core of the Perseus cluster. Nature, 2016, 535, 117-121.	27.8	348
54	Characterization of an atomic hydrogen source for charge exchange experiments. Review of Scientific Instruments, 2016, 87, 11E516.	1.3	2

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55	In-orbit operation of the ASTRO-H SXS. , 2016, , .		15
56	Electron temperature measurements inside the ablating plasma of gas-filled hohlraums at the National Ignition Facility. Physics of Plasmas, 2016, 23, .	1.9	34
57	Lineshape measurements of He- $\hat{2}$ spectra on the ORION laser facility. Physics of Plasmas, 2016, 23, .	1.9	11
58	Calibration of the microcalorimeter spectrometer on-board the Hitomi (Astro-H) observatory (invited). Review of Scientific Instruments, 2016, 87, 11D503.	1.3	0
59	LABORATORY MEASUREMENTS OF THE K-SHELL TRANSITION ENERGIES IN L-SHELL IONS OF SI AND S. Astrophysical Journal, 2016, 830, 26.	4.5	29
60	Avoided level crossings in very highly charged ions. Physical Review A, 2016, 93, .	2.5	12
61	The Astro-H high resolution soft x-ray spectrometer. Proceedings of SPIE, 2016, , .	0.8	51
62	Experimentally determining the relative efficiency of spherically bent germanium and quartz crystals. Review of Scientific Instruments, 2016, 87, 11D620.	1.3	5
63	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-Ray Spectrometer. Proceedings of SPIE, 2016, , .	0.8	10
64	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
65	Ground calibration of the Astro-H (Hitomi) soft x-ray spectrometer. , 2016, , .		8
66	Lineshape spectroscopy with a very high resolution, very high signal-to-noise crystal spectrometer. Review of Scientific Instruments, 2016, 87, 063501.	1.3	18
67	Measurement of the $3s$ line of sodiumlike Eu . Physical Review A, 2015, 92, .	2.5	10
68	Use of <i>a priori</i> spectral information in the measurement of x-ray flux with filtered diode arrays. Review of Scientific Instruments, 2015, 86, 103511.	1.3	14
69	Dielectronic satellite lines of Fe XVII. Journal of Physics: Conference Series, 2015, 583, 012022.	0.4	2
70	K-shell transitions in L-shell ions with the EBIT calorimeter spectrometer. Proceedings of the International Astronomical Union, 2015, 11, 295-296.	0.0	0
71	Hyperfine splitting of the $2s_{1/2}$ and $2p_{1/2}$ levels in lithium-like Pr^{56+} . Journal of Physics: Conference Series, 2015, 583, 012039.	0.4	0
72	X-ray Measurements of Highly Charged Europium. Journal of Physics: Conference Series, 2015, 583, 012009.	0.4	6

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73	Experimental study of the x-ray transitions in the heliumlike isoelectronic sequence: Updated results. <i>Physical Review A</i> , 2015, 91, .	2.5	27
74	Development of a ten inch manipulators-based, flexible, broadband two-crystal spectrometer. <i>Review of Scientific Instruments</i> , 2014, 85, 11D610.	1.3	2
75	The ASTRO-H X-ray astronomy satellite. <i>Proceedings of SPIE</i> , 2014, , .	0.8	45
76	Soft x-ray spectrometer (SXS): the high-resolution cryogenic spectrometer onboard ASTRO-H. <i>Proceedings of SPIE</i> , 2014, , .	0.8	29
77	Gamma ray measurements with photoconductive detectors using a dense plasma focus. <i>Review of Scientific Instruments</i> , 2014, 85, 11E117.	1.3	2
78	Rare-earth neutral metal injection into an electron beam ion trap plasma. <i>Review of Scientific Instruments</i> , 2014, 85, 11E820.	1.3	9
79	Observation of highly disparate K -shell x-ray spectra produced by charge exchange with bare mid- Z ions. <i>Physical Review A</i> , 2014, 89, .	2.5	12
80	The transition-edge EBIT microcalorimeter spectrometer. , 2014, , .		7
81	System for calibrating the energy-dependent response of an elliptical Bragg-crystal spectrometer. <i>Review of Scientific Instruments</i> , 2014, 85, 11D626.	1.3	20
82	Extended-range grazing-incidence spectrometer for high-resolution extreme ultraviolet measurements on an electron beam ion trap. <i>Review of Scientific Instruments</i> , 2014, 85, 11E422.	1.3	23
83	Hyperfine Splitting of the $2s$ Levels. $2s$ and $2p$ Levels.	7.8	14
84	The first data from the Orion laser; measurements of the spectrum of hot, dense aluminium. <i>High Energy Density Physics</i> , 2013, 9, 661-671.	1.5	44
85	Observations of the Effect of Ionization-Potential Depression in Hot Dense Plasma. <i>Physical Review Letters</i> , 2013, 110, 265003.	7.8	206
86	Unresolved puzzles in the x-ray emission produced by charge exchange measured on electron beam ion traps. , 2013, , .		0
87	Low charge states of Si and S in Cygnus X-1. <i>Physica Scripta</i> , 2013, T156, 014008.	2.5	13
88	Stimulated Electronic X-Ray Raman Scattering. <i>Physical Review Letters</i> , 2013, 111, 233902.	7.8	123
89	X-Ray Resonant Photoexcitation: Linewidths and Energies of K Transitions in Highly Charged Fe Ions. <i>Physical Review Letters</i> , 2013, 111, 103002.	7.8	64
90	Studies of highly charged iron ions using electron beam ion traps for interpreting astrophysical spectra. <i>Physica Scripta</i> , 2013, T156, 014001.	2.5	2

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91	Charge exchange measurements with an x-ray calorimeter at an electron beam ion trap. <i>Physica Scripta</i> , 2013, T156, 014006.	2.5	3
92	Rest-wavelength fiducials for the ITER core imaging x-ray spectrometer. <i>Review of Scientific Instruments</i> , 2012, 83, 10E111.	1.3	11
93	Photoionizing trapped highly charged ions with synchrotron radiation. , 2012, , .		0
94	Laboratory measurements of the dielectronic recombination satellite transitions of He-like Fe XXV and H-like Fe XXVI. <i>Canadian Journal of Physics</i> , 2012, 90, 351-357.	1.1	12
95	Brown and Beiersdorfer Reply. <i>Physical Review Letters</i> , 2012, 108, .	7.8	12
96	X-ray laser spectroscopy with an electron beam ion trap at the free electron laser LCLS. <i>Journal of Physics: Conference Series</i> , 2012, 388, 032037.	0.4	1
97	An unexpectedly low oscillator strength as the origin of the Fe ^{xvii} emission problem. <i>Nature</i> , 2012, 492, 225-228.	27.8	133
98	Suzaku observations of charge exchange emission from solar system objects. <i>Astronomische Nachrichten</i> , 2012, 333, 319-323.	1.2	1
99	The High-Resolution X-Ray Microcalorimeter Spectrometer, SXS, on Astro-H. <i>Journal of Low Temperature Physics</i> , 2012, 167, 795-802.	1.4	19
100	Measurements of Electron Transport in Foils Irradiated with a Picosecond Time Scale Laser Pulse. <i>Physical Review Letters</i> , 2011, 106, 185003.	7.8	54
101	Measuring plasma impurities in Alcator C-Mod as a function of time in the extreme ultraviolet ¹ This article is part of a Special Issue on the 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas.. <i>Canadian Journal of Physics</i> , 2011, 89, 653-656.	1.1	9
102	Tungsten spectroscopy at the Livermore electron beam ion trap facility ¹ This review is part of a Special Issue on the 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas.. <i>Canadian Journal of Physics</i> , 2011, 89, 571-580.	1.1	56
103	A brief overview of the Fusion and Astrophysics Data and Diagnostic Calibration Facility. <i>Proceedings of SPIE</i> , 2010, , .	0.8	10
104	The detector subsystem for the SXS instrument on the ASTRO-H Observatory. <i>Proceedings of SPIE</i> , 2010, , .	0.8	21
105	Calibration of a flat field soft x-ray grating spectrometer for laser produced plasmas. <i>Review of Scientific Instruments</i> , 2010, 81, 10E319.	1.3	21
106	Development of a time-resolved soft x-ray spectrometer for laser produced plasma experiments. <i>Review of Scientific Instruments</i> , 2010, 81, 10E318.	1.3	12
107	The ITER core imaging x-ray spectrometer: X-ray calorimeter performance. <i>Review of Scientific Instruments</i> , 2010, 81, 10E323.	1.3	19
108	Measurement of Anomalously Strong Emission from the $s^{1}p^{9}p$ Transition in the Spectrum of H-Like Phosphorus Following Charge Exchange with Molecular Hydrogen. <i>Physical Review Letters</i> , 2010, 105, 063201.	7.8	16

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109	The high-resolution x-ray microcalorimeter spectrometer system for the SXS on ASTRO-H. Proceedings of SPIE, 2010, , .	0.8	50
110	Spectroscopy of M-shell x-ray transitions in Zn-like through Co-like W. Physica Scripta, 2010, 81, 015301.	2.5	61
111	Calibration of a high resolution grating soft x-ray spectrometer. Review of Scientific Instruments, 2010, 81, 10E314.	1.3	3
112	MEASUREMENT AND MODELING OF Na-LIKE Fe XVI INNER-SHELL SATELLITES BETWEEN 14.5 Å... AND 18 Å... Astrophysical Journal, 2009, 695, 818-824.	4.5	18
113	X-RAY SIGNATURE OF CHARGE EXCHANGE IN L-SHELL SULFUR IONS. Astrophysical Journal, 2009, 702, 171-177.	4.5	8
114	Precision Measurement of the K -Shell Spectrum from Highly Charged Xenon with an Array of X-Ray Calorimeters. Physical Review Letters, 2009, 103, 163001.	7.8	34
115	Micro-X, the TES X-ray Imaging Rocket: First Year Progress. IEEE Transactions on Applied Superconductivity, 2009, 19, 553-556.	1.7	0
116	Spectroscopy of $2s$ in K in $2s$. Physical Review A, 2009, 80, .	2.5	59
117	Measurement of the $K\alpha_2/K\alpha_1$ ratio in heliumlike krypton. Journal of Physics: Conference Series, 2009, 163, 012021.	0.4	5
118	Survey of the K-shell emission from heliumlike ions with an X-ray microcalorimeter. Journal of Physics: Conference Series, 2009, 163, 012022.	0.4	5
119	Studies of X-ray production following charge exchange recombination between highly charged ions and neutral atoms and molecules. Journal of Physics: Conference Series, 2009, 163, 012052.	0.4	4
120	High-energy electron-impact excitation cross sections of hydrogenlike iron and nickel ions. Journal of Physics: Conference Series, 2009, 163, 012036.	0.4	6
121	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
122	High-resolution x-ray spectroscopy with the EBIT Calorimeter Spectrometer. AIP Conference Proceedings, 2009, , .	0.4	4
123	Laboratory Astrophysics, QED, and other Measurements using the EBIT Calorimeter Spectrometer at LLNL. AIP Conference Proceedings, 2009, , .	0.4	5
124	X-ray signatures of charge exchange in L-shell iron and sulfur. Journal of Physics: Conference Series, 2009, 163, 012051.	0.4	0
125	Microcalorimeter observations of L-shell spectra of Ne- through Fe-like Au ions in an EBIT. Journal of Physics: Conference Series, 2009, 163, 012010.	0.4	1
126	Micro-X: Mission Overview and Science Goals. Journal of Low Temperature Physics, 2008, 151, 740-745.	1.4	5

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127	The EBIT Calorimeter Spectrometer: A New Permanent User Facility at the LLNL EBIT. Journal of Low Temperature Physics, 2008, 151, 1061-1066.	1.4	25
128	Proposed wavelength measurements of silicon X-ray spectra: Application to Vela X-1. Canadian Journal of Physics, 2008, 86, 183-189.	1.1	7
129	The photon clean method: an event-based approach to analyzing X-ray spectra. Canadian Journal of Physics, 2008, 86, 245-250.	1.1	0
130	An overview of EBIT data needed for experiments on laser-produced plasmas. Canadian Journal of Physics, 2008, 86, 259-266.	1.1	13
131	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
132	The XRS microcalorimeter spectrometer at the Livermore electron beam ion trap. Canadian Journal of Physics, 2008, 86, 231-240.	1.1	56
133	Analog and digital simulations of Maxwellian plasmas for astrophysics. Canadian Journal of Physics, 2008, 86, 209-216.	1.1	5
134	Measuring the ionization balance of gold in a low-density plasma of importance to inertial confinement fusion. Canadian Journal of Physics, 2008, 86, 251-258.	1.1	10
135	EBIT charge-exchange measurements and astrophysical applications. Canadian Journal of Physics, 2008, 86, 151-169.	1.1	48
136	High-resolution spectroscopy of K-shell praseodymium with a high-energy microcalorimeter. Canadian Journal of Physics, 2008, 86, 241-244.	1.1	24
137	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
138	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
139	Rapid, absolute calibration of x-ray filters employed by laser-produced plasma diagnostics. Review of Scientific Instruments, 2008, 79, 10E309.	1.3	12
140	Performance of the EBIT calorimeter spectrometer. Review of Scientific Instruments, 2008, 79, 10E307.	1.3	29
141	L-shell spectroscopy of Au as a temperature diagnostic tool. Review of Scientific Instruments, 2008, 79, 10E313.	1.3	9
142	Investigation of the emission of $2p_{3/2}$ of low Z K-shell emission from laser-produced plasmas. Physical Review E, 2008, 77, 066406.	2.1	31
143	X-ray Signature of Charge Exchange in the Spectra of L-shell Iron Ions. Astrophysical Journal, 2008, 672, 726-732.	4.5	15
144	Wavelength Measurements of Ni L-shell Lines between 9 and 15 Å. Astrophysical Journal, 2007, 657, 1172-1177.	4.5	20

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145	The X-Ray Observatory Suzaku. Publication of the Astronomical Society of Japan, 2007, 59, S1-S7.	2.5	823
146	The Suzaku High Resolution X-Ray Spectrometer. Publication of the Astronomical Society of Japan, 2007, 59, S77-S112.	2.5	123
147	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
148	Laboratory Measurements of $2\text{X}\alpha$ X-Ray Line Ratios of Fe-like Fe and Ni. Astrophysical Journal, 2007, 670, 1504-1509.	4.5	11
149	Observation of Hyperfine Mixing in Measurements of a Magnetic Octupole Decay in Isotopically Pure Nickel-Like Xe129 and Xe132 Ions. Physical Review Letters, 2007, 98, 263001.	7.8	37
150	Energy Splitting of the Ground-State Doublet in the Nucleus Th229. Physical Review Letters, 2007, 98, 142501.	7.8	239
151	In-flight status of the X-ray observatory Suzaku. , 2007, , .		4
152	Laboratory Measurements of High- n Iron L-shell X-Ray Lines. Astrophysical Journal, Supplement Series, 2007, 168, 319-336.	7.7	23
153	Development of a thermal X-radiation source using $\text{hot}\text{hohlraums}$. High Energy Density Physics, 2007, 3, 256-262.	1.5	4
154	Electron Impact Excitation Cross Section Measurement for $n=3$ to $n=2$ Line Emission in Fe17+ to Fe23+. Astrophysical Journal, 2006, 646, 653-665.	4.5	26
155	Energy-Dependent Excitation Cross Section Measurements of the Diagnostic Lines of Fe XVII. Physical Review Letters, 2006, 96, 253201.	7.8	67
156	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
157	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
158	Polarization measurements of the Lyman- β x-ray emission lines of hydrogen-like Ar17+ and Fe25+ at high electron-impact energies. Physical Review A, 2006, 74, .	2.5	57
159	Excitation Cross Section Measurement for $n=3$ to $n=2$ Line Emission in Fe20+ to Fe23+. Astrophysical Journal, 2005, 618, 1086-1094.	4.5	18
160	New Results in Laboratory X-ray Astrophysics. Highlights of Astronomy, 2005, 13, 633-639.	0.0	1
161	Laboratory studies of X-ray emission from Fe L-shell transitions and their diagnostic utility. , 2005, , .		0
162	The XRS Microcalorimeter on Astro-E2. , 2005, , .		1

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163	Laboratory Measurements of $3s^2$ X-Ray Emission Lines of Ne-like Ni xix. <i>Astrophysical Journal</i> , 2004, 607, L143-L146.	4.5	26
164	The Astro-E2 X-ray spectrometer/EBIT microcalorimeter x-ray spectrometer. <i>Review of Scientific Instruments</i> , 2004, 75, 3772-3774.	1.3	71
165	Simulating Cometary and Stellar X-ray Emission in the Laboratory Using Microcalorimeters and an Electron Beam Ion Trap. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	0
166	Development of M-shell x-ray spectroscopy and spectropolarimetry of z-pinch tungsten plasmas. <i>Review of Scientific Instruments</i> , 2004, 75, 3750-3752.	1.3	14
167	High-resolution crystal spectrometer for the 10 ⁶ Å... extreme ultraviolet region. <i>Review of Scientific Instruments</i> , 2004, 75, 3720-3722.	1.3	26
168	Determination of the Charge State Distribution of a Highly Ionized Coronal Au Plasma. <i>Physical Review Letters</i> , 2003, 90, 235001.	7.8	56
169	Laboratory Simulation of Charge Exchange-Produced X-ray Emission from Comets. <i>Science</i> , 2003, 300, 1558-1559.	12.6	158
170	Measurement of Emission Cross Sections for $n=3$ Lines in Li-like Fe ²³⁺ . <i>Astrophysical Journal</i> , 2002, 567, L169-L172.	4.5	24
171	Laboratory Measurements of the Relative Intensity of the $3s^2$ and $3d^2$ Transitions in F _e XVII. <i>Astrophysical Journal</i> , 2002, 576, L169-L172.	4.5	62
172	Laboratory Measurements and Identification of the Fe XVIII $2s^2$ Shell X-Ray Line Emission. <i>Astrophysical Journal</i> , Supplement Series, 2002, 140, 589-607.	7.7	84
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