

# Alfred Muller

## List of Publications by Year in descending order

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438  
papers

9,615  
citations

34016

52  
h-index

76769

74  
g-index

441  
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441  
docs citations

441  
times ranked

2029  
citing authors

#	ARTICLE	IF	CITATIONS
1	Near K-edge Photoionization and Photoabsorption of Singly, Doubly, and Triply Charged Silicon Ions. <i>Astrophysical Journal</i> , 2022, 931, 100.	1.6	3
2	Non-dipole anisotropy parameters in the photoionization of Kr in the region of deep inner shell excitations. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2022, 258, 147209.	0.8	1
3	Near L-edge Single and Multiple Photoionization of Doubly Charged Iron Ions. <i>Astrophysical Journal</i> , 2021, 908, 52.	1.6	17
4	Direct double ionization of the Ar+ M shell by a single photon. <i>Physical Review A</i> , 2021, 103, .	1.0	3
5	Experimental studies on photoabsorption by endohedral fullerene ions with a focus on Xe@C <sub>60</sub> <sup>+</sup> confinement resonances. <i>Physica Scripta</i> , 2021, 96, 064004.	1.2	6
6	Role of $L$ -shell single and double core-hole production and decay in $L$ -shell		

#	ARTICLE	IF	CITATIONS
19	Spin asymmetry in electron-impact ionization. Physical Review A, 2019, 100, .	1.0	6
20	Inner-shell X-ray absorption spectra of the cationic series $NH_{y}^{z+}$ ( $y < i>y</i> = Tj ETQq0 0 0 rgBT /Overlock 10 Tf$ )	1.5	19
21	Roadmap on photonic, electronic and atomic collision physics: I. Light-matter interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171001.	0.6	52
22	Photoionization and photofragmentation of singly charged positive and negative $N_{3}^{-}$ and $N_{3}^{+}$ ions. Physical Review A, 2019, 99, .	1.0	20
23	Near L-edge Single and Multiple Photoionization of Triply Charged Iron Ions. Astrophysical Journal, 2019, 887, 189.	1.6	20
24	Electron-impact ionization of $W_{5}^{+}$ ions. Physical Review A, 2019, 100, .	1.0	26
25	Absorption spectra at the iodine 3d ionisation threshold following the $CH_{x}I_{3}^{+}$ cation sequence. Physical Chemistry Chemical Physics, 2019, 21, 25415-25424.	1.3	5
26	Resonant and nonresonant indirect electron-impact single ionization of beryllium-like carbon ions via K-shell excitation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 035202.	0.6	2
27	PAMOP2: Towards Exascale Computations Supporting Experiments and Astrophysics. , 2019, , 37-61.		2
28	Indirect contributions to electron-impact ionization of $Li^{+}$ ( $1s2sS13$ ) ions: Role of intermediate double- K -vacancy states. Physical Review A, 2018, 97, .	1.0	9
29	Photoabsorption of the molecular $IH$ cation at the iodine $K$ -edge. Physical Review A, 2018, 97, .	1.0	12
30	PAMOP: Large-Scale Calculations Supporting Experiments and Astrophysical Applications. , 2018, , 37-59.		2
31	Near- $K$ -edge single, double, and triple photoionization of $K$ ions. Physical Review A, 2018, 97, .	1.0	20
32	Near- $K$ -edge Double and Triple Detachment of the $K$ ions. Physical Review A, 2018, 97, .	2.9	15
33	Near- $K$ -edge Photoionization of $K$ ions. Physical Review A, 2018, 97, .		

#	ARTICLE	IF	CITATIONS
37	Photoionization of tungsten ions: experiment and theory for $\{W\}^{4+}$ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 085007.	0.6	7
38	Recombination of open- <i>f</i> -shell tungsten ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 052001.	0.6	9
39	Upgrade of the Main Magnetic Focus Ion Trap in Giessen. Journal of Physics: Conference Series, 2017, 875, 092027.	0.3	0
40	Prominent role of indirect processes in electron-impact ionization of $Xe^{24+}$ ions. Journal of Physics: Conference Series, 2017, 875, 052048.	0.3	0
41	Cross sections for photoionization of rare-earth molecular ions $C_n^{+q}$ with $n < 10$ and $q = 40, 50, 70, 76,$		9
42	Photoionisation of $Ca^{+}$ ions in the valence-energy region $20 \leq E < 56$ eV: experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 205001.	0.6	3
43	Dielectronic resonances in highly-charged heavy ions observed in ion traps. Journal of Physics: Conference Series, 2017, 875, 052026.	0.3	2
44	Electron-impact Multiple-ionization Cross Sections for Atoms and Ions of Helium through Zinc. Astrophysical Journal, 2017, 850, 122.	1.6	20
45	Relativistic configuration-interaction calculations of the energy levels of the $Sc_{1s}^{20}$ and $Sc_{2s}^{19}$ ions. Physical Review A, 2017, 96, 042501.	1.0	26
46	Near L-edge Single and Multiple Photoionization of Singly Charged Iron Ions. Astrophysical Journal, 2017, 849, 5.	1.6	39
47	Photoionization and photofragmentation of $\{Sc\}_3\{N@C\}_{80}^{+q}$ at energies from the carbon K edge to the scandium L and nitrogen K edges. Journal of Physics: Conference Series, 2017, 875, 032033.	0.3	0
48	Photoionization of $Ne^{+}$ ions and Ne atoms near the K edge. Journal of Physics: Conference Series, 2017, 875, 022044.	0.3	0
49	Photoionization and photofragmentation of $\{Lu\}_3\{N@C\}_{80}^{+q}$ ions ( $q = 1, 2, 3$ ). Journal of Physics: Conference Series, 2017, 875, 032034.	0.3	0
50	Photorecombination of berylliumlike and boronlike silicon ions. Journal of Physics: Conference Series, 2017, 875, 052005.	0.3	0
51	Developments towards a transverse free-electron target for the storage ring CRYRING@ESR. Journal of Physics: Conference Series, 2017, 875, 052040.	0.3	1
52	Multi-electron processes in K-shell double and triple photodetachment of oxygen anions. Journal of Physics: Conference Series, 2017, 875, 022004.	0.3	0
53	Commissioning of a high-power electron gun for electron-ion crossed-beams experiments. Journal of Physics: Conference Series, 2017, 875, 052037.	0.3	0
54	Physics book: CRYRING@ESR. European Physical Journal: Special Topics, 2016, 225, 797-882.	1.2	101

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55	Electron-impact single ionization of $W$ . Physical Review A, 2016, 93, .	1.0	20
56	Photoionization and photofragmentation of the $C$ ion. Physical Review A, 2016, 93, .	1.0	12
57	Strong asymmetry of the electron-loss-to-continuum cusp of multielectron $U$ in near-relativistic collisions with gaseous targets. Physical Review A, 2016, 93, .	1.0	11
58	Recombination of $W$ with electrons: Absolute rate coefficients from a storage-ring experiment and from theoretical calculations. Physical Review A, 2016, 93, .	1.0	21
59	Storage ring cross section measurements for electron impact ionization of $Fe^{8+}$ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 084006.	0.6	6
60	Prominent role of multielectron processes in $K$ -shell double and triple photodetachment of oxygen anions. Physical Review A, 2016, 94, .	1.0	28
61	Photoionisation of ions with synchrotron radiation: from ions in space to atoms in cages. Contemporary Physics, 2016, 57, 215-229.	0.8	51
62	Absolute rate coefficients for photorecombination of beryllium-like and boron-like silicon ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 074004.	0.6	5
63	Photoionization of tungsten ions: experiment and theory for $W^{2+}$ and $W^{3+}$ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 065201.	0.6	14
64	PAMOP Project: Petaflop Computations in Support of Experiments. , 2016, , 51-74.		6
65	PAMOP Project: Computations in Support of Experiments and Astrophysical Applications. , 2016, , 33-48.		3
66	Photoionization and photofragmentation of multiply charged $Lu^{3+}$ . Physical Review A, 2015, 92, .	1.0	4
67	Single-photon excitation of heliumlike $K\hat{1}_{\pm}$ . Physical Review A, 2015, 92, .	1.0	26
68	Subshell-selective x-ray studies of radiative recombination of $Kr$ with electrons for very low relative energies. Physical Review A, 2015, 92, .	1.0	7
69	A new data acquisition system for Schottky signals in atomic physics experiments at GSI's and FAIR's storage rings. Physica Scripta, 2015, T166, 014062.	1.2	4
70	Forward-angle electron spectroscopy in heavy-ion atom collisions studied at the ESR. Journal of Physics: Conference Series, 2015, 635, 022005.	0.3	0
71	Electron-impact ionization of tungsten ions. Journal of Physics: Conference Series, 2015, 635, 052040.	0.3	0
72	Main magnetic focus ion source, state-of-the-art technology for production of highly charged ions. Journal of Physics: Conference Series, 2015, 635, 022021.	0.3	0

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73	Simultaneous measurement of photorecombination and electron-impact ionization of Fe <sup>14+</sup> ions. Journal of Physics: Conference Series, 2015, 635, 052002.	0.3	0
74	Photoionization and photofragmentation of multiply charged Lu <sub>3</sub> N@C <sub>80</sub> ions. Journal of Physics: Conference Series, 2015, 635, 112120.	0.3	0
75	A continuous, broadband data acquisition for Schottky signals in atomic and nuclear physics experiments at heavy-ion storage rings. Journal of Physics: Conference Series, 2015, 635, 022085.	0.3	0
76	Stepwise contraction of the nf Rydberg shells in the 3d photoionization of multiply-charged xenon ions. Journal of Physics: Conference Series, 2015, 635, 092002.	0.3	0
77	Electron-ion recombination of the open-4f-shell ion W <sup>19+</sup> . Journal of Physics: Conference Series, 2015, 635, 052003.	0.3	0
78	Observation of four-electron Auger processes. Journal of Physics: Conference Series, 2015, 635, 012033.	0.3	2
79	Observation of four-electron Auger processes. Journal of Physics: Conference Series, 2015, 635, 092101.	0.3	1
80	Single-photon single ionization of W <sup>+</sup> ions: experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 235203.	0.6	19
81	Ab-Initio Calculations of Level Energies, Oscillator Strengths and Radiative Rates for E1 Transitions in Beryllium-Like Iron. Atoms, 2015, 3, 2-52.	0.7	7
82	Stepwise contraction of the <i>n</i> Rydberg shells in the 3d photoionization of multiply-charged xenon ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144003.	0.6	12
83	Spectroscopy of berylliumlike xenon ions using dielectronic recombination. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144008.	0.6	20
84	Fusion-Related Ionization and Recombination Data for Tungsten Ions in Low to Moderately High Charge States. Atoms, 2015, 3, 120-161.	0.7	40
85	Storage-ring experiments on dielectronic recombination at the interface of atomic and nuclear physics. Physica Scripta, 2015, T166, 014022.	1.2	15
86	High-resolution dielectronic recombination experiments at the upcoming CRYRING@ESR facility. Journal of Physics: Conference Series, 2015, 635, 022084.	0.3	1
87	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe <sup>7+</sup> . Astrophysical Journal, 2015, 813, 16.	1.6	12
88	Electron emission spectra of U <sup>28+</sup> ions colliding with gaseous targets. Journal of Physics: Conference Series, 2015, 635, 022049.	0.3	1
89	Electron-ion collision spectroscopy: Lithium-like xenon ions. Physical Review A, 2015, 91, .	1.0	19
90	Observation of a Four-Electron Auger Process in Near- $K$ -Edge Photoionization of Singly Charged Carbon Ions. Physical Review Letters, 2015, 114, 013002.	2.9	63

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91	Plasma rate coefficients for electron-impact ionization of Xe <sup>q+</sup> ions (q = 8, 9, 10, 11, 12, 13, 14, 15, 16, 17). Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 035203.	0.6	8
92	Absolute measurement of radiative and Auger rates of K <sup>α</sup> shell in highly charged Fe ions. Physical Review A, 2015, 91, .	1.2	20
93	Electron-capture-to-continuum cusp in U <sup>88+</sup> collisions and the high-energy endpoint of electron-nucleus bremsstrahlung. Physical Review A, 2015, 91, .	1.0	20
94	PAMOP: Petascale Atomic, Molecular and Optical Collision Calculations. , 2015, , 47-61.		5
95	Precision studies of deep-inner-shell photoabsorption by atomic ions. Physica Scripta, 2015, 90, 054004.	1.2	31
96	Electron-impact ionization of Xe <sup>24+</sup> Theory versus experiment. Physical Review A, 2015, 92, .	1.0	24
97	Special issue on atomic & molecular data for astrophysicists. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 170201.	0.6	0
98	Direct and indirect processes in electron-impact ionization of 1s <sup>2</sup> 1S <sub>0</sub> ground-state and 1s2s 3S <sub>1</sub> metastable He-like N <sup>5+</sup> ions. Journal of Physics: Conference Series, 2014, 488, 062024.	0.3	0
99	Dielectronic recombination of berylliumlike Si <sup>10+</sup> ions at the heavy-ion storage ring TSR. Journal of Physics: Conference Series, 2014, 488, 062012.	0.3	0
100	Absolute cross sections for photoionization of Xe <sup>q+</sup> ions ( $1 \leq q \leq 5$ ) at the 3d ionization threshold. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 115602.	0.6	51
101	High-power electron gun for electron-ion crossed-beams experiments. Journal of Physics: Conference Series, 2014, 488, 142007.	0.3	3
102	Absolute rate coefficients for photorecombination and electron-impact ionization of magnesiumlike iron ions from measurements at a heavy-ion storage ring. Physical Review A, 2014, 90, .	1.0	15
103	Radiative-electron-capture-to-continuum cusp in U <sup>88+</sup> collisions and the high-energy endpoint of electron-nucleus bremsstrahlung. Physical Review A, 2014, 90, .	1.0	25
104	Double K <sup>α</sup> in electron-impact single ionization of metastable two-electron N <sup>+</sup>		

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109	Recombination of $W^{18+}$ ions with electrons: Absolute rate coefficients from a storage-ring experiment and from theoretical calculations. <i>Physical Review A</i> , 2014, 90, .	1.0	40
110	Valence-shell photoionization of Ag-like $Xe^{7+}$ ions: experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 215202.	0.6	16
111	$K$ -shell photoionization of Be-like boron ( $B^{+}$ ) ions: experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 135201.	0.6	17
112	Experimental investigation of left-right asymmetry in photon-atom interaction. <i>Physical Review A</i> , 2014, 90, .	1.0	3
113	Absolute rate coefficients for the recombination of open f-shell tungsten ions. <i>Journal of Physics: Conference Series</i> , 2014, 488, 012051.	0.3	10
114	Electric octupole contribution to the angular distribution of the krypton 4p photoelectrons. <i>Journal of Physics: Conference Series</i> , 2014, 488, 022041.	0.3	3
115	A setup for ion-beam emittance measurements employed to diagnose plasma ion thrusters. <i>Journal of Physics: Conference Series</i> , 2014, 488, 142008.	0.3	0
116	Single and multiple photoionization of $W^{q+}$ tungsten ions in charge states $q=1,2,\dots,5$ : experiment and theory. <i>Journal of Physics: Conference Series</i> , 2014, 488, 022032.	0.3	8
117	Electron-impact ionization of multiply charged tungsten ions. <i>Journal of Physics: Conference Series</i> , 2014, 488, 062026.	0.3	5
118	Dielectronic recombination of berylliumlike $Xe^{50+}$ ions: Measurement and theoretical calculations. <i>Journal of Physics: Conference Series</i> , 2014, 488, 062013.	0.3	0
119	Dielectronic recombination of lithiumlike $Xe^{51+}$ ions: Storage ring experiment and theoretical calculations. <i>Journal of Physics: Conference Series</i> , 2014, 488, 062014.	0.3	0
120	First light on 3d photoionization of multiply charged xenon ions: a new photon-ion merged beam setup at PETRA III. <i>Journal of Physics: Conference Series</i> , 2014, 488, 142006.	0.3	0
121	Photoionization of Xe inside a $C_{60}$ cage: a single-molecule electron interferometer. <i>Journal of Physics: Conference Series</i> , 2014, 488, 022033.	0.3	0
122	Recombination of open-4f-shell $W^{18+}$ ions with free electrons. <i>Journal of Physics: Conference Series</i> , 2014, 488, 062015.	0.3	0
123	Probing nuclear properties by resonant atomic collisions between electrons and ions. <i>Physica Scripta</i> , 2013, T156, 014050.	1.2	23
124	Single-Photon Multiple Detachment in Fullerene Negative Ions: Absolute Ionization Cross Sections and the Role of the Extra Electron. <i>Physical Review Letters</i> , 2013, 111, 043003.	2.9	21
125	Cross-section measurements with interacting beams. , 2013, , .		3
126	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT SINGLE AND DOUBLE IONIZATION OF $Fe^{13+}$ AND SINGLE IONIZATION OF $Fe^{16+}$ AND $Fe^{17+}$ . <i>Astrophysical Journal</i> , 2013, 767, 47.	1.6	18



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127	Future experiments using forward electron spectroscopy to study the quantum dynamics of high-Z ions at the ESR/CRYRING storage rings. <i>Physica Scripta</i> , 2013, T156, 014087.	1.2	8
128	Electron-impact ionization of moderately charged xenon ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 215202.	0.6	6
129	Probing confinement resonances by photoionizing Xe inside a C <sub>60</sub> molecular cage. <i>Physical Review A</i> , 2013, 88, .	1.0	69
130	Detailed investigation of electron-impact single-ionization cross sections and plasma rate coefficients of N-shell tin ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 175201.	0.6	13
131	X-Ray Resonant Photoexcitation: Linewidths and Energies of K <sub>L</sub> Transitions in Highly Charged Fe Ions. <i>Physical Review Letters</i> , 2013, 111, 103002.	2.9	64
132	High-resolution photoionization of Xe <sup>n+</sup> ions: Experiment and theory. <i>Journal of Physics: Conference Series</i> , 2012, 388, 022038.	0.3	0
133	Electron-impact-ionization measurements using hyperfine-assisted state preparation of ground-state berylliumlike sulfur. <i>Physical Review A</i> , 2012, 85, .	1.0	10
134	Storage-ring measurement of the hyperfine-induced $2s^2$ $^1S$ $^2P$ transitions in highly charged Fe ions. <i>Physical Review Letters</i> , 2012, 109, 103002.	1.0	33
135	Energy- and angle-resolved spectroscopy of electrons from ion-atom collisions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 082051.	0.3	0
136	ELECTRON-ION RECOMBINATION OF Fe XII FORMING Fe XI: LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. <i>Astrophysical Journal</i> , 2012, 753, 57.	1.6	19
137	Confinement resonances in photoionization of endohedral Xe@C <sub>60</sub> . <i>Journal of Physics: Conference Series</i> , 2012, 388, 022003.	0.3	0
138	Electron-impact single and multiple ionization of xenon ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 062024.	0.3	0
139	Dielectronic recombination of xenonlike tungsten ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 062028.	0.3	1
140	Towards a measurement of the $2s^2p^3$ $^1P^o$ $2s^2$ $^1S$ $E1M1$ two photon transition rate in Be-like xenon ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 012007.	0.3	5
141	High-power electron gun for electron-ion crossed-beams experiments. <i>Journal of Physics: Conference Series</i> , 2012, 388, 142020.	0.3	0
142	Photo-multidetachment and Fragmentation of C <sub>60</sub> <sup>-</sup> Anions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 022039.	0.3	2
143	Electron-impact single and double ionization of tin ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 062023.	0.3	0
144	K-shell photoionization of Be-like B <sup>n+</sup> ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 022101.	0.3	0

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145	Photon-ion spectrometer PIPE at the Variable Polarization XUV Beamline of PETRA III. Journal of Physics: Conference Series, 2012, 388, 142016.	0.3	2
146	Electron-impact single-ionization of Ar <sup>5+</sup> ions. Journal of Physics: Conference Series, 2012, 388, 062026.	0.3	1
147	Electron-impact single-ionization of Ar <sup>6+</sup> ions. Journal of Physics: Conference Series, 2012, 388, 062027.	0.3	2
148	Storage ring meets astrophysics: Dielectronic recombination of L-shell and M-shell iron ions. Journal of Physics: Conference Series, 2012, 388, 062029.	0.3	0
149	Strong quadrupole interaction between the krypton 4p photoionization and 3d resonant excitation channels. Journal of Physics: Conference Series, 2012, 388, 022005.	0.3	0
150	Dielectronic recombination of metastable berylliumlike xenon ions. Journal of Physics: Conference Series, 2012, 388, 062036.	0.3	0
151	Asymmetric photoelectron emission from the krypton 4p shell in the vicinity of 3d resonant excitations. Journal of Physics: Conference Series, 2012, 388, 022004.	0.3	0
152	Electron impact ionization measurements at the Heidelberg heavy ion storage ring TSR. Journal of Physics: Conference Series, 2012, 388, 062021.	0.3	0
153	Electron-impact single and double ionization of W <sup>17+</sup> ions. Journal of Physics: Conference Series, 2012, 388, 062022.	0.3	0
154	ADDENDUM: "STORAGE RING MEASUREMENT OF ELECTRON IMPACT IONIZATION FOR Mg <sup>7+</sup> FORMING Mg <sup>8+</sup> " (2010, ApJ, 712, 1166). Astrophysical Journal, 2012, 761, 77.	1.6	0
155	ADDENDUM: "STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe <sup>11+</sup> FORMING Fe <sup>12+</sup> AND Fe <sup>13+</sup> " (2011, ApJ, 729, 76). Astrophysical Journal, 2012, 761, 78.	1.6	0
156	ADDENDUM: "STORAGE RING CROSS-SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe <sup>12+</sup> FORMING Fe <sup>13+</sup> AND Fe <sup>14+</sup> " (2011, ApJ, 735, 105). Astrophysical Journal, 2012, 761, 79.	1.6	2
157	Dielectronic recombination of in-flight synthesized exotic isotopes. Journal of Physics: Conference Series, 2012, 388, 062042.	0.3	7
158	Towards a storage-ring measurement of the hyperfine induced 2s2p3P0 <sup>+</sup> 2s21S0 transition rate in berylliumlike sulfur. Journal of Physics: Conference Series, 2012, 388, 152004.	0.3	0
159	Electrospray ionization source for collision experiments with keV-beams of biomolecular ions. Journal of Physics: Conference Series, 2012, 388, 142004.	0.3	0
160	Photoionization of singly and multiply charged tungsten ions. Journal of Physics: Conference Series, 2012, 388, 022037.	0.3	3
161	X-ray laser spectroscopy with an electron beam ion trap at the free electron laser LCLS. Journal of Physics: Conference Series, 2012, 388, 032037.	0.3	1
162	Breit interaction in dielectronic recombination of H-like uranium. Journal of Physics: Conference Series, 2012, 388, 062034.	0.3	0

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163	An unexpectedly low oscillator strength as the origin of the Fe <sup>xvii</sup> emission problem. Nature, 2012, 492, 225-228.	13.7	133
164	Enhanced radiative recombination of U <sup>92+</sup> ions with cooling electrons for the K-shell. Journal of Physics: Conference Series, 2012, 388, 062044.	0.3	0
165	ELECTRON-ION RECOMBINATION OF Mg <sup>6+</sup> FORMING Mg <sup>5+</sup> AND OF Mg <sup>7+</sup> FORMING Mg <sup>6+</sup> : LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. Astrophysical Journal, 2012, 758, 40.	1.6	20
166	STORAGE RING CROSS-SECTION MEASUREMENTS FOR ELECTRON IMPACT SINGLE AND DOUBLE IONIZATION OF Fe <sup>9+</sup> AND SINGLE IONIZATION OF Fe <sup>10+</sup> . Astrophysical Journal, 2012, 760, 80.	1.6	17
167	Storage ring at HIE-ISOLDE. European Physical Journal: Special Topics, 2012, 207, 1-117.	1.2	101
168	Breit interaction in dielectronic recombination of hydrogenlike uranium. Physical Review A, 2011, 83, .	1.0	61
169	Photoionization of tungsten ions with synchrotron radiation. Physica Scripta, 2011, T144, 014052.	1.2	16
170	Recombination of Au <sup>20+</sup> at low electron-ion collision energies. Physica Scripta, 2011, T144, 014039.	1.2	9
171	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe <sup>12+</sup> FORMING Fe <sup>13+</sup> AND Fe <sup>14+</sup> . Astrophysical Journal, 2011, 735, 105.	1.6	25
172	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe <sup>11+</sup> FORMING Fe <sup>12+</sup> AND Fe <sup>13+</sup> . Astrophysical Journal, 2011, 729, 76.	1.6	31
173	Electron-impact single ionization of Xe <sup>10+</sup> ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 205205.	0.6	10
174	Photoionization measurements for the iron isonuclear sequence Fe $\langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$		12
175	Dielectronic recombination of xenonlike tungsten ions. Physical Review A, 2011, 83, .	1.0	67
176	Electron-impact single and double ionization of W <sup>17+</sup> . Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 165202.	0.6	40
177	STORAGE RING MEASUREMENT OF ELECTRON IMPACT IONIZATION FOR Mg <sup>7+</sup> FORMING Mg <sup>8+</sup> . Astrophysical Journal, 2010, 712, 1166-1171.	1.6	20
178	Resonant recombination at ion storage rings: a conceptual alternative for isotope shift and hyperfine studies. Hyperfine Interactions, 2010, 196, 115-127.	0.2	35
179	Publisher's Note: Confinement Resonances in Photoionization of Xe@C60+ [Phys. Rev. Lett. 105, 213001 (2010)]. Physical Review Letters, 2010, 105.	2.9	7
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