

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
all docs

441
docs citations

441
times ranked

2029
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaling of cross sections for multiple electron transfer to highly charged ions colliding with atoms and molecules. Physics Letters, Section A: General, Atomic and Solid State Physics, 1977, 62, 391-394.	0.9	181
2	Electron-ion collisions: Fundamental processes in the focus of applied research. Advances in Atomic, Molecular and Optical Physics, 2008, , 293-417.	2.3	146
3	High-resolution measurement of dielectronic recombination of lithiumlike Cu ²⁶⁺ . Physical Review A, 1992, 46, 5730-5740.	1.0	139
4	An unexpectedly low oscillator strength as the origin of the Fe XVII emission problem. Nature, 2012, 492, 225-228.	13.7	133
5	Precise Determination of the 2s _{1/2} -2p _{1/2} Splitting in Very Heavy Lithiumlike Ions Utilizing Dielectronic Recombination. Physical Review Letters, 2003, 91, 073202.	2.9	131
6	Photoexcitation of a Volume Plasmon in C ₆₀ Ions. Physical Review Letters, 2005, 94, 065503.	2.9	131
7	Dielectronic recombination of hydrogenlike oxygen in a heavy-ion storage ring. Physical Review Letters, 1990, 64, 737-740.	2.9	126
8	Development of single-particle detectors for keV ions. Review of Scientific Instruments, 1982, 53, 829-837.	0.6	123
9	Confinement Resonances in Photoionization of Xe . Physical Review Letters, 2010, 105, 213001.	2.9	114
10	Field effects on the Rydberg product-state distribution from dielectronic recombination. Physical Review Letters, 1986, 56, 127-130.	2.9	109
11	Isotope Shift in the Dielectronic Recombination of Three-Electron Nd . Physical Review Letters, 2008, 100, 073201.	2.9	102
12	Storage Ring Measurement of the CIV Recombination Rate Coefficient. Astrophysical Journal, 2001, 555, 1027-1037.	1.6	101
13	Storage ring at HIE-ISOLDE. European Physical Journal: Special Topics, 2012, 207, 1-117.	1.2	101
14	Physics book: CRYRING@ESR. European Physical Journal: Special Topics, 2016, 225, 797-882.	1.2	101
15	Influence of Magnetic Fields on Electron-Ion Recombination at Very Low Energies. Physical Review Letters, 2000, 84, 4822-4825.	2.9	98
16	Merged-beams experiments in atomic and molecular physics. Reports on Progress in Physics, 1999, 62, 1143-1180.	8.1	97
17	Correlated two-electron transitions in electron-impact ionization of Li ⁺ ions. Physical Review Letters, 1989, 63, 758-761.	2.9	94
18	Resonances in Electron-Impact Single, Double, and Triple Ionization of Heavy Metal ions. Physical Review Letters, 1988, 61, 70-73.	2.9	90

#	ARTICLE	IF	CITATIONS
19	Absolute ionisation cross sections for electrons incident on O ⁺ , Ne ⁺ , Xe ⁺ and Ar ⁱ⁺ (i=1,...,5) ions. Journal of Physics B: Atomic and Molecular Physics, 1980, 13, 1877-1899.	1.6	87
20	Dielectronic and radiative recombination of lithiumlike gold. Physical Review Letters, 1992, 69, 2768-2771.	2.9	86
21	Experimental cross sections for electron impact ionisation of hydrogen-like Li ²⁺ ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, 531-540.	0.6	83
22	Indirect processes in the electron-impact ionization of Li-like ions. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1990, 16, 113-127.	1.0	83
23	Electron capture processes of multiply charged argon ions in argon at energies from 10 to 90 keV. Journal of Physics B: Atomic and Molecular Physics, 1975, 8, 230-238.	1.6	82
24	Screened Radiative Corrections from Hyperfine-Split Dielectronic Resonances in Lithiumlike Scandium. Physical Review Letters, 2008, 100, 033001.	2.9	82
25	Experimental measurements of field effects on dielectronic recombination cross sections and Rydberg product-state distributions. Physical Review A, 1987, 36, 599-613.	1.0	77
26	Electron-Impact Ionization of Fe ¹⁵⁺ Ions: An Ion Storage Ring Cross Section Measurement. Physical Review Letters, 1995, 74, 4173-4176.	2.9	77
27	Electron capture by Li ⁱ⁺ (i=2,3), Ni ⁺ and Ne ⁱ⁺ (i=2,3,4,5) ions from atomic hydrogen. Journal of Physics B: Atomic and Molecular Physics, 1981, 14, 3475-3491.	1.6	76
28	Storage-Ring Measurement of the Hyperfine Induced Ti ¹⁸⁺ 47(2s ² p ⁴ ³ P ³ 2s ² S ⁰) Transition Rate. Physical Review Letters, 2007, 98, 033001.	2.9	75
29	Experimental cross sections for electron-impact ionization of iron ions: Fe ⁵⁺ , Fe ⁶⁺ , and Fe ⁹⁺ . Physical Review A, 1986, 34, 3657-3667.	1.0	74
30	Multiple-electron capture and ionization in collisions of highly stripped ions with Ar atoms. Physical Review A, 1986, 33, 3010-3017.	1.0	74
31	Probing confinement resonances by photoionizing Xe inside a C ₆₀ molecular cage. Physical Review A, 2013, 88, .	1.0	69
32	Prospects for an atomic parity-violation experiment in U ⁹⁰⁺ . Physical Review A, 1989, 40, 7362-7365.	1.0	68
33	Dielectronic recombination of xenonlike tungsten ions. Physical Review A, 2011, 83, .	1.0	67
34	Significant Redistribution of Ce _{4d} Oscillator Strength Observed in Photoionization of Endohedral Ce@C ₈₂ Ions. Physical Review Letters, 2008, 101, 133001.	2.9	66
35	Ionization of helium by highly charged ions at 1.4 MeV/amu. Physical Review A, 1987, 35, 2479-2483.	1.0	65
36	L-Shell Contributions to Multiple Ionization of Ar ⁱ⁺ Ions (i=1, 2, 3) by Electron Impact. Physical Review Letters, 1980, 44, 29-32.	2.9	64

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37	Dielectronic Capture with Subsequent Two-Electron Emission in Electron-Impact Ionization of C ³⁺ Ions. <i>Physical Review Letters</i> , 1988, 61, 1352-1355.	2.9	64
38	Dielectronic Recombination in Photoionized Gas: The Importance of Fine-structure Core Excitations. <i>Astrophysical Journal</i> , 1997, 489, L115-L118.	1.6	64
39	X-Ray Resonant Photoexcitation: Linewidths and Energies of $K_{\pm 1}$ Transitions in Highly Charged Fe Ions. <i>Physical Review Letters</i> , 2013, 111, 103002.	2.9	64
40	Observation of a Four-Electron Auger Process in Near-Edge Photoionization of Singly Charged Carbon Ions. <i>Physical Review Letters</i> , 2015, 114, 013002.	2.9	63
41	An improved crossed-beams technique for the measurement of absolute cross sections for electron impact ionisations of ions and its application to Ar ⁺ ions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1985, 18, 2993-3009.	1.6	62
42	Dielectronic Recombination in Photoionized Gas. II. Laboratory Measurements for Fe xviii and Fe xix. <i>Astrophysical Journal, Supplement Series</i> , 1999, 123, 687-702.	3.0	62
43	Observation of Trielectronic Recombination in Be-like Cl Ions. <i>Physical Review Letters</i> , 2003, 91, 043001.	2.9	62
44	Breit interaction in dielectronic recombination of hydrogenlike uranium. <i>Physical Review A</i> , 2011, 83, .	1.0	61
45	A new technique for the measurement of ionization cross sections with crossed electron and ion beams. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1985, 10-11, 204-206.	0.6	60
46	Field Enhanced Dielectronic Recombination of Si ¹¹⁺ Ions. <i>Physical Review Letters</i> , 1997, 79, 2233-2236.	2.9	58
47	Single particle counting of heavy ions with a channeltron detector. <i>Nuclear Instruments & Methods</i> , 1980, 175, 379-384.	1.2	57
48	Single ionisation of multiply charged xenon ions by electron impact. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1984, 17, 1405-1425.	1.6	56
49	Dielectronic recombination resonances in F ⁶⁺ . <i>Physical Review A</i> , 2002, 66, .	1.0	55
50	Photoionization of Ne Atoms and Ne ⁺ Ions Near the K Edge: Precision Spectroscopy and Absolute Cross-sections. <i>Astrophysical Journal</i> , 2017, 836, 166.	1.6	54
51	Recombination of Free Electrons with Ions. <i>Physica Scripta</i> , 1991, T37, 62-65.	1.2	53
52	Experiments with highly-charged ions in the storage ring TSR. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1991, 21, S69-S75.	1.0	53
53	Interference effects in the photorecombination of argonlike Sc ³⁺ ions: Storage-ring experiment and theory. <i>Physical Review A</i> , 2002, 65, .	1.0	52
54	Experimental Mg ^{IX} photorecombination rate coefficient. <i>Astronomy and Astrophysics</i> , 2004, 421, 1185-1191.	2.1	52

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55	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
56	Electron impact ionization and dielectronic recombination of sodium-like iron ions. Nuclear Instruments & Methods in Physics Research B, 1995, 98, 154-157.	0.6	51
57	Lifetime of a K-shell vacancy in atomic carbon created by $1s \rightarrow 2p$ photoexcitation of C^+ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L103-L109.	0.6	51
58	Absolute cross sections for photoionization of Xe^{q+} 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
59	Photoionisation of ions with synchrotron radiation: from ions in space to atoms in cages. Contemporary Physics, 2016, 57, 215-229.	0.8	51
60	Dielectronic recombination of lithium-like Ni^{25+} ions: High-resolution rate coefficients and influence of external crossed electric and magnetic fields. Physical Review A, 2000, 62, .	1.0	50
61	Electron-Impact Double Ionization of $1+$ and Xe^{q+} ($q=1, \dots, 4$) Ions: Role of $4d$ Electrons Like in Photoionization. Physical Review Letters, 1983, 50, 2070-2073.	2.9	49
62	Photoionization of C^{2+} ions: time-reversed recombination of C^{3+} with electrons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, L137-L143.	0.6	49
63	Dielectronic Recombination of Fe ^{xiii} Forming Fe ^{xii} : Laboratory Measurements and Theoretical Calculations. Astrophysical Journal, 2006, 642, 1275-1285.	1.6	49
64	Transfer ionisation in slow collisions of multiply-charged ions with atoms. Journal of Physics B: Atomic and Molecular Physics, 1983, 16, 1997-2015.	1.6	48
65	Production of multiply charged rare-gas ions by relativistic electrons. Journal of Physics B: Atomic and Molecular Physics, 1983, 16, 2039-2052.	1.6	48
66	Statistical Interpretation of Transfer Ionization in Slow Collisions of Multiply Charged Ions with Atoms. Physical Review Letters, 1983, 51, 107-109.	2.9	48
67	A dense electron target for the study of electron-ion collisions. Nuclear Instruments & Methods in Physics Research B, 1985, 9, 385-388.	0.6	47
68	Absolute detection efficiencies of microchannel plates for 0.1-2.3 keV electrons and 2.1-4.4 keV Mg^+ ions. Review of Scientific Instruments, 1986, 57, 349-353.	0.6	46
69	Electron-impact ionization of Mg-like ions: S^{4+} , Cl^{5+} , and Ar^{6+} . Physical Review A, 1986, 33, 3779-3786.	1.0	46
70	Title is missing!, 1997, 109, 233-267.		46
71	Production of highly charged rare-gas recoil ions by 1.4-MeV/amu U^{44+} . Physical Review A, 1982, 26, 1373-1377.	1.0	45
72	Merged-beams energy-loss technique for electron-ion excitation: Absolute total cross sections for $O^{5+}(2s \rightarrow 2p)$. Physical Review A, 1994, 49, 4585-4596.	1.0	45

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73	Recombination of with free electrons at very low energies. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 2415-2428.	0.6	45
74	Dielectronic Recombination (via $N \rightarrow N^* + N^{2+}$ Core Excitations) and Radiative Recombination of Fe xx : Laboratory Measurements and Theoretical Calculations. Astrophysical Journal, Supplement Series, 2002, 138, 337-370.	3.0	44
75	Photorecombination of ions: search for interference effects, recombination at low energies and rate coefficient in plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 4873-4886.	0.6	43
76	Experimental Evidence for Magnetic Field Effects on Dielectronic Recombination via High Rydberg States. Physical Review Letters, 1999, 82, 3779-3782.	2.9	43
77	Resonant transfer and excitation: Dependence on projectile charge state and target-electron momentum distribution. Physical Review A, 1986, 34, 2543-2546.	1.0	42
78	Dielectronic recombination of lithium-like Ar ¹⁵⁺ . Zeitschrift für Physik D-Atoms Molecules and Clusters, 1994, 30, 291-306.	1.0	42
79	Dielectronic Recombination of Fe xix Forming Fe xviii: Laboratory Measurements and Theoretical Calculations. Astrophysical Journal, 2002, 576, 1098-1107.	1.6	41
80	Dielectronic Recombination of Fe xxi and Fe xxii via $N \rightarrow N^* + N^{2+}$ Core Excitations. Astrophysical Journal, Supplement Series, 2003, 147, 421-435.	3.0	41
81	Semiempirical formulae for electron-impact double-ionization cross sections of light positive ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 525-545.	0.6	41
82	Plasma rate coefficients for highly charged ion-electron collisions: new experimental access via ion storage rings. International Journal of Mass Spectrometry, 1999, 192, 9-22.	0.7	40
83	High Rydberg Resonances in Dielectronic Recombination of Pb ⁷⁹⁺ . Physical Review Letters, 2002, 89, 053201.	2.9	40
84	Electron-impact single and double ionization of W ¹⁷⁺ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 165202.	0.6	40
85	Recombination of W ¹⁸⁺ ions with electrons: Absolute rate coefficients from a storage-ring experiment and from theoretical calculations. Physical Review A, 2014, 90, .	1.0	40
86	Fusion-Related Ionization and Recombination Data for Tungsten Ions in Low to Moderately High Charge States. Atoms, 2015, 3, 120-161.	0.7	40
87	Recombination of bare Bi ⁸³⁺ ions with electrons. Physical Review A, 2000, 63, .	1.0	39
88	K-shell photoionization of ground-state Li-like carbon ions [C ³⁺]: experiment, theory and comparison with time-reversed photorecombination. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 235602.	0.6	39
89	Near L-edge Single and Multiple Photoionization of Singly Charged Iron Ions. Astrophysical Journal, 2017, 849, 5.	1.6	39
90	Experimental Link of Photoionization of Sc ²⁺ to Photorecombination of Sc ³⁺ : An Application of Detailed Balance in a Unique Atomic System. Physical Review Letters, 2002, 89, 193002.	2.9	38

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91	K-shell photoionization of Be-like carbon ions: experiment and theory for C ²⁺ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 1967-1975.	0.6	38
92	Electron-Ion Recombination Measurements Motivated by AGN X-Ray Absorption Features: Fe xiv Forming Fe xiii. Astrophysical Journal, 2006, 641, L157-L160.	1.6	38
93	Resonant electron impact ionization and recombination of Li-like Cl ¹⁴⁺ and Si ¹¹⁺ at the Heidelberg Test Storage Ring. Nuclear Instruments & Methods in Physics Research B, 1995, 98, 142-145.	0.6	37
94	Recombination of U ⁹² + ions with electrons. European Physical Journal D, 2001, 15, 145-154.	0.6	37
95	Photoionization of Sc ²⁺ ions by synchrotron radiation: Measurements and absolute cross sections in the photon energy range 23â€“68 eV. Physical Review A, 2003, 67, .	1.0	37
96	Photoionization of the endohedral fullerene ions Sc ₃ N@C ₈₀ ⁺ and Ce@C ₈₂ ⁺ by synchrotron radiation. Journal of Physics: Conference Series, 2007, 88, 012038.	0.3	37
97	Multiple ionisation of multiply charged xenon ions by electron impact. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 1427-1444.	1.6	36
98	Doubly excited resonances in the photoionization spectrum of Li ⁺ : experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 3957-3968.	0.6	36
99	Interference of direct and resonant channels in electron-impact ionization of C ³⁺ ions: Unified R-matrix calculation and experiment. Physical Review A, 2000, 61, .	1.0	35
100	Photoionization studies of the B valence shell: experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 3371-3381.	0.6	35
101	Resonant recombination at ion storage rings: a conceptual alternative for isotope shift and hyperfine studies. Hyperfine Interactions, 2010, 196, 115-127.	0.2	35
102	Determination of the 2s ² excitation energy of lithiumlike scandium using dielectronic recombination. Physical Review A, 2004, 70, .	1.0	34
103	Multiple ionization and the charge state evolution of ions exposed to electron impact. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 113, 415-419.	0.9	33
104	Storage-ring measurement of the hyperfine-induced $s_2 p_2$	1.0	33
105	Recombination measurements at low energies with Au ⁴⁹⁺ , ⁵⁰⁺ , ⁵¹⁺ at the TSR. , 1997, 108, 149-154.		32
106	Dielectronic recombination of ground-state and metastable Li ⁺ ions. Physical Review A, 1999, 60, R3350-R3353.	1.0	32
107	Simultaneous capture and ionization in helium. Physical Review A, 1987, 35, 3265-3268.	1.0	31
108	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe ¹¹⁺ FORMING Fe ¹²⁺ AND Fe ¹³⁺ . Astrophysical Journal, 2011, 729, 76.	1.6	31

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109	Precision studies of deep-inner-shell photoabsorption by atomic ions. <i>Physica Scripta</i> , 2015, 90, 054004.	1.2	31
110	Single and double electron transfer in Ar^{n+} -He collisions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1976, 59, 19-20.	0.9	30
111	Electron impact double ionisation of Ar^{n+} and Ar^{4+} ions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1985, 18, 3011-3016.	1.6	30
112	Dependence of the charge transfer between atoms and highly charged ions on the ionization potential of the atoms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1979, 70, 410-412.	0.9	29
113	Correlated capture ionization in slow collisions of multiply charged Xe ions with Xe atoms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 85, 77-80.	0.9	29
114	Prominent role of multielectron processes in K^{n+} -shell double and triple photodetachment of oxygen anions. <i>Physical Review A</i> , 2016, 94, .	1.0	28
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127	Electron-impact ionization of W^{5+} . Physical Review A, 2019, 100, .	1.0	26
128	Recombination in electron coolers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 441, 183-190.	0.7	25
129	Electron-ion recombination for Fe^{VIII} forming Fe^{VII} and Fe^{IX} forming Fe^{VIII} : measurements and theory. Astronomy and Astrophysics, 2008, 492, 265-275.	2.1	25
130	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe^{12+} FORMING Fe^{13+} AND Fe^{14+} . Astrophysical Journal, 2011, 735, 105.	1.6	25
131	Radiative-electron-capture-to-continuum cusp in $U^{88+}N_2$ collisions and the high-energy endpoint of electron-nucleus bremsstrahlung. Physical Review A, 2014, 90, .	1.0	25
132	Dielectronic capture processes in the electron-impact ionization of Sc^{2+} . Physical Review A, 1994, 49, 933-938.	1.0	24
133	Scully et al. Reply. Physical Review Letters, 2007, 98, .	2.9	24
134	Multiple Photodetachment of Carbon Anions via Single and Double Core-Hole Creation. Physical Review Letters, 2020, 124, 083203.	2.9	24
135	Electron impact double ionisation of Ar^q ions ($q=1, 2, \dots, 7$): two-electron processes compared with inner-shell contributions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, 1021-1048.	0.6	23
136	Electron-ion recombination of Si^{IV} forming Si^{III} . Storage-ring measurement and probing nuclear properties by resonant atomic collisions between electrons and ions. Physica Scripta, 2013, T156, 014050.	1.0	23
137	Photoionization and photofragmentation of multiply charged Lu^{3+} . Physical Review A, 2015, 92, .	1.2	23
138	Measurement of the field-induced dielectronic-recombination-rate enhancement of O_5^+ ions differential in the Rydberg quantum numbers. Physical Review A, 2002, 65, .	1.0	22
139	Absolute measurement of radiative and Auger rates of $K\alpha^{\gamma}$ in highly charged Fe ions. Physical Review A, 2015, 91, .	1.0	22
140	Electron impact single ionisation of multiply charged krypton ions. Journal of Physics B: Atomic and Molecular Physics, 1987, 20, 1121-1134.	1.6	21
141	Electron-impact ionization of O_5^+ : Improved measurements. Physical Review A, 1987, 36, 595-598.	1.0	21
142	Towards a precision spectroscopy of very highly charged ions by employing dielectronic recombination. Nuclear Instruments & Methods in Physics Research B, 1995, 98, 158-161.	0.6	21
143	Low-energy electron capture by C_3^+ from hydrogen using merged beams. Physical Review A, 1995, 51, 2982-2988.	1.0	21
144			

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145	Dielectronic Recombination of Fe ^{xv} Forming Fe ^{xiv} : Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2007, 664, 1244-1252.	1.6	21
146	K-shell photoionization of ground-state Li-like boron ions [B ²⁺]: experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 135602.	0.6	21
147	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
148	Recombination of W^{19+} with electrons: Absolute rate coefficients from a storage-ring experiment and from theoretical calculations. <i>Physical Review A</i> , 2016, 93, .	1.0	21
149	Title is missing!. , 1997, 108, 167-175.		20
150	STORAGE RING MEASUREMENT OF ELECTRON IMPACT IONIZATION FOR Mg ⁷⁺ FORMING Mg ⁸⁺ . <i>Astrophysical Journal</i> , 2010, 712, 1166-1171.	1.6	20
151	ELECTRON-ION RECOMBINATION OF Mg ⁶⁺ FORMING Mg ⁵⁺ AND OF Mg ⁷⁺ FORMING Mg ⁶⁺ : LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. <i>Astrophysical Journal</i> , 2012, 758, 40.	1.6	20
152	Spectroscopy of berylliumlike xenon ions using dielectronic recombination. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 144008.	0.6	20
153	Electron-capture-to-continuum cusp in U^{90+} . <i>Physical Review A</i> , 2015, 91, .	1.0	20
154	Electron-impact single ionization of W^{19+} ions. <i>Physical Review A</i> , 2016, 93, .	1.0	20
155	Electron-impact Multiple-ionization Cross Sections for Atoms and Ions of Helium through Zinc. <i>Astrophysical Journal</i> , 2017, 850, 122.	1.6	20
156	Near-K-edge single, double, and triple photoionization of C^{8+} ions. <i>Physical Review A</i> , 2018, 97, .	1.0	20
157	Photoionization and photofragmentation of singly charged positive and negative C^{80+} and C^{80-} ions. <i>Physical Review A</i> , 2019, 99, .	1.0	20
158	Near L-edge Single and Multiple Photoionization of Triply Charged Iron Ions. <i>Astrophysical Journal</i> , 2019, 887, 189.	1.6	20
159	Electron capture from atomic hydrogen by slow fully stripped lithium ions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1980, 80, 20-22.	0.9	19
160	Transfer ionisation in slow collisions of He ²⁺ ions in rare gases. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1982, 15, L207-L212.	1.6	19
161	Collisions of Fast Highly Charged Ions in Gas Targets: Ionization, Recoil-Ion Production, and Charge Transfer. <i>Physica Scripta</i> , 1983, T3, 153-158.	1.2	19
162	Signal enhancement in electron-ion crossed-beams experiments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1987, 24-25, 369-372.	0.6	19

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163	Electron-impact ionization of La ^{q+} ions (q=1,2,3). Physical Review A, 1989, 40, 3584-3598.	1.0	19
164	Electron-impact single and double ionization of Ba ²⁺ and Ba ³⁺ ions. Physical Review A, 1991, 43, 3522-3534.	1.0	19
165	Recombination of electrons with highly charged heavy ions at very low energies. Hyperfine Interactions, 1996, 99, 295-300.	0.2	19
166	Autoionizing resonances in electron-impact ionization of O ⁵⁺ ions. Physical Review A, 2000, 62, .	1.0	19
167	Electron-impact single and multiple ionization of Mg ⁺ ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 1503-1518.	0.6	19
168	Strong contributions of indirect processes to the electron-impact ionization cross section of Sc ⁺ ions. Physical Review A, 2004, 70, .	1.0	19
169	Electron-impact ionization of Ti ³⁺ ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 4387-4395.	0.6	19
170	ELECTRON-ION RECOMBINATION OF Fe XII FORMING Fe XI: LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. Astrophysical Journal, 2012, 753, 57.	1.6	19
171	Single-photon single ionization of W ⁺ ions: experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 235203.	0.6	19
172	Electron-ion collision spectroscopy: Lithium-like xenon ions. Physical Review A, 2015, 91, .	1.0	19
173	Inner-shell X-ray absorption spectra of the cationic series NH _y ⁺ (y = 1-9). <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 134001.	1.8	19
174	Collision-Strength Shift in Electron-Impact Single and Double Ionization of Sb and Bi Ions. Physical Review Letters, 1985, 54, 414-417.	2.9	18
175	Enhanced dielectronic recombination of lithium-like Ti ¹⁹⁺ ions in external E _z -B fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, L453-L460.	0.6	18
176	Rate enhancement in the recombination of Bi ⁸⁰⁺ ions with electrons. Physical Review A, 2002, 66, .	1.0	18
177	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT SINGLE AND DOUBLE IONIZATION OF Fe ¹³⁺ AND SINGLE IONIZATION OF Fe ¹⁶⁺ AND Fe ¹⁷⁺ . Astrophysical Journal, 2013, 767, 47.	1.6	18
178	On the charge state distribution of multiply charged ions extracted from electron beam ion sources. Nuclear Instruments & Methods, 1977, 140, 181-188.	1.2	17
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