

Stefan Schippers

List of Publications by Year in descending order

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344
papers

6,596
citations

71102

41
h-index

106344

65
g-index

347
all docs

347
docs citations

347
times ranked

2110
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of slow multicharged ions with solid surfaces. Surface Science Reports, 1997, 27, 113-239.	7.2	361
2	An unexpectedly low oscillator strength as the origin of the Fe ^{xvii} emission problem. Nature, 2012, 492, 225-228.	27.8	133
3	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.	7.8	131
4	Photoexcitation of a Volume Plasmon in C ₆₀ Ions. Physical Review Letters, 2005, 94, 065503.	7.8	131
5	Confinement Resonances in Photoionization of Xe Isotope Shift in the Dielectronic Recombination of Three-Electron C^{60} Molecular Ions. Physical Review Letters, 2013, 110, 073201.	7.8	114
6	Time Scales for Charge Equilibration of $Oq^+(3q)$ Ions during Surface-Channeling Interactions with Au(110). Physical Review Letters, 1995, 74, 2204-2207.	7.8	102
7	Storage Ring Measurement of the Dielectronic Recombination Rate Coefficient. Astrophysical Journal, 2001, 555, 1027-1037.	4.5	101
9	Storage ring at HIE-ISOLDE. European Physical Journal: Special Topics, 2012, 207, 1-117.	2.6	101
10	Physics book: CRYRING@ESR. European Physical Journal: Special Topics, 2016, 225, 797-882.	2.6	101
11	Influence of Magnetic Fields on Electron-Ion Recombination at Very Low Energies. Physical Review Letters, 2000, 84, 4822-4825.	7.8	98
12	Ion thrusters for electric propulsion: Scientific issues developing a niche technology into a game changer. Review of Scientific Instruments, 2020, 91, 061101.	1.3	96
13	Screened Radiative Corrections from Hyperfine-Split Dielectronic Resonances in Lithiumlike Scandium. Physical Review Letters, 2008, 100, 033001.	7.8	82
14	Photodissociation of protonated leucine-enkephalin in the VUV range of 8-40 eV. Journal of Chemical Physics, 2011, 134, 024314.	3.0	77
15	Storage-Ring Measurement of the Hyperfine Induced $Ti^{18+47}(2s^2p^3\ ^3P^o_3 \rightarrow 2s^2\ ^3S^o_1)$ Transition Rate. Physical Review Letters, 2007, 98, 033001.	7.8	75
16	Probing confinement resonances by photoionizing Xe inside a C^{60} molecular cage. Physical Review A, 2013, 88, .	2.5	69
17	Dielectronic recombination of xenonlike tungsten ions. Physical Review A, 2011, 83, .	2.5	67
18	The cryogenic storage ring CSR. Review of Scientific Instruments, 2016, 87, 063115.	1.3	67

#	ARTICLE	IF	CITATIONS
19	Do Hollow Atoms Exist in Front of an Insulating LiF(100) Surface?. Physical Review Letters, 1995, 75, 217-219.	7.8	66
20	Significant Redistribution of d Oscillator Strength Observed in Photoionization of Endohedral $Ce@C_{82}$ Ions. Physical Review Letters, 2008, 101, 133001.	7.8	66
21	Dielectronic Recombination in Photoionized Gas: The Importance of Fine-structure Core Excitations. Astrophysical Journal, 1997, 489, L115-L118.	4.5	64
22	Observation of a Four-Electron Auger Process in Near- K -Edge Photoionization of Singly Charged Carbon Ions. Physical Review Letters, 2015, 114, 013002.	7.8	63
23	Dielectronic Recombination in Photoionized Gas. II. Laboratory Measurements for Fe xviii and Fe xix. Astrophysical Journal, Supplement Series, 1999, 123, 687-702.	7.7	62
24	Observation of Trielectronic Recombination in Be-like Cl Ions. Physical Review Letters, 2003, 91, 043001.	7.8	62
25	Breit interaction in dielectronic recombination of hydrogenlike uranium. Physical Review A, 2011, 83, .	2.5	61
26	Dielectronic recombination resonances in $F6+$. Physical Review A, 2002, 66, .	2.5	55
27	Photoionization of Ne Atoms and Ne ⁺ Ions Near the K Edge: Precision Spectroscopy and Absolute Cross-sections. Astrophysical Journal, 2017, 836, 166.	4.5	54
28	Auger-electron emission from slow, highly charged ions interacting with solid Cu targets. Physical Review A, 1992, 45, 4653-4660.	2.5	53
29	Interference effects in the photorecombination of argonlike Sc^{3+} ions: Storage-ring experiment and theory. Physical Review A, 2002, 65, .	2.5	52
30	Experimental Mg^{IX} photorecombination rate coefficient. Astronomy and Astrophysics, 2004, 421, 1185-1191.	5.1	52
31	Roadmap on photonic, electronic and atomic collision physics: I. Light-matter interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171001.	1.5	52
32	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.	1.5	51
33	Photoionisation of ions with synchrotron radiation: from ions in space to atoms in cages. Contemporary Physics, 2016, 57, 215-229.	1.8	51
34	Dielectronic recombination of lithiumlike Ni^{25+} ions: High-resolution rate coefficients and influence of external crossed electric and magnetic fields. Physical Review A, 2000, 62, .	2.5	50
35	Dielectronic Recombination of Fe xxiii Forming Fe xxii: Laboratory Measurements and Theoretical Calculations. Astrophysical Journal, 2006, 642, 1275-1285.	4.5	49
36	Recombination of Li^{2+} with free electrons at very low energies. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 2415-2428.	1.5	45

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37	Dielectronic Recombination (via $N \text{ } n \text{ } n^2 \text{ } N \text{ } n^2$ Core Excitations) and Radiative Recombination of Fe xx : Laboratory Measurements and Theoretical Calculations. Astrophysical Journal, Supplement Series, 2002, 138, 337-370.	7.7	44
38	Excitation of target Auger-electron emission by the impact of highly charged ions: $N6^+$, $O7^+$, and $Ne9^+$ on Pt(110). Physical Review A, 1992, 46, 4003-4011.	2.5	43
39	Angular and charge state distributions of highly charged ions scattered during low energy surface-channeling interactions with Au(110). Nuclear Instruments & Methods in Physics Research B, 1995, 100, 366-372.	1.4	43
40	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.	1.5	43
41	Experimental Evidence for Magnetic Field Effects on Dielectronic Recombination via High Rydberg States. Physical Review Letters, 1999, 82, 3779-3782.	7.8	43
42	Atomic structure calculations of KLL Auger spectra from highly charged ion-solid-surface collisions. Physical Review A, 1994, 50, 540-552.	2.5	41
43	Projectile image acceleration, neutralization and electron emission during grazing interactions of multicharged ions with Au(110). Nuclear Instruments & Methods in Physics Research B, 1995, 98, 441-444.	1.4	41
44	Dielectronic Recombination of Fe xix Forming Fe xviii: Laboratory Measurements and Theoretical Calculations. Astrophysical Journal, 2002, 576, 1098-1107.	4.5	41
45	Dielectronic Recombination of Fe xxii and Fe xxiii via $N \text{ } n \text{ } n^2 \text{ } N \text{ } n^2$ Core Excitations. Astrophysical Journal, Supplement Series, 2003, 147, 421-435.	7.7	41
46	APPA at FAIR: From fundamental to applied research. Nuclear Instruments & Methods in Physics Research B, 2015, 365, 680-685.	1.4	41
47	High Rydberg Resonances in Dielectronic Recombination of $Pb79^+$. Physical Review Letters, 2002, 89, 053201.	7.8	40
48	Electron-impact single and double ionization of W^{17+} . Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 165202.	1.5	40
49	Recombination of $W18^+$ ions with electrons: Absolute rate coefficients from a storage-ring experiment and from theoretical calculations. Physical Review A, 2014, 90, .	2.5	40
50	Recombination of bare $Bi83^+$ ions with electrons. Physical Review A, 2000, 63, .	2.5	39
51	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.	1.5	39
52	Near L-edge Single and Multiple Photoionization of Singly Charged Iron Ions. Astrophysical Journal, 2017, 849, 5.	4.5	39
53	Velocity dependence of KLL Auger emission from hollow atoms formed during collisions of hydrogenic $N6^+$ ions on surfaces. Physical Review A, 1995, 51, 3873-3882.	2.5	38
54	Experimental Link of Photoionization of $Sc2^+$ to Photorecombination of $Sc3^+$: An Application of Detailed Balance in a Unique Atomic System. Physical Review Letters, 2002, 89, 193002.	7.8	38

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55	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.	1.5	38
56	Electron-Ion Recombination Measurements Motivated by AGN X-Ray Absorption Features: Fe xiv Forming Fe xiii. Astrophysical Journal, 2006, 641, L157-L160.	4.5	38
57	Recombination of U 92 + ions with electrons. European Physical Journal D, 2001, 15, 145-154.	1.3	37
58	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, .	2.5	37
59	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.	0.4	37
60	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.	1.5	36
61	Coster-Kronig transitions in hollow atoms created during highly charged ion-surface interactions. Physical Review Letters, 1994, 73, 786-789.	7.8	35
62	Polarized light emission in keV He ²⁺ +Na(3s) collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 3271-3282.	1.5	35
63	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, .	2.5	35
64	Photoionization studies of the B valence shell: experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 3371-3381.	1.5	35
65	Resonant recombination at ion storage rings: a conceptual alternative for isotope shift and hyperfine studies. Hyperfine Interactions, 2010, 196, 115-127.	0.5	35
66	Determination of the 2s ² p excitation energy of lithiumlike scandium using dielectronic recombination. Physical Review A, 2004, 70, .	2.5	34
67	Storage-ring measurement of the hyperfine-induced $\langle mml:math display="inline" \rangle \langle mml:mrow \rangle \langle mml:mn \rangle 2 \langle mml:mn \rangle \langle mml:mi \rangle s \langle mml:mi \rangle \langle mml:mn \rangle 2 \langle mml:mn \rangle \langle mml:mi \rangle p \langle mml:mi \rangle \langle mml:mrow \rangle$ $\langle mml:math display="inline" \rangle \langle mml:mrow \rangle \langle mml:msup \rangle \langle mml:mrow \rangle$ $\langle mml:math display="inline" \rangle \langle mml:mrow \rangle \langle mml:msup \rangle \langle mml:mspace width="0.16em" \rangle$	2.5	33
68	Astrophysical relevance of storage-ring electron-ion recombination experiments. Journal of Physics: Conference Series, 2009, 163, 012001.	0.4	31
69	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe ¹¹⁺ FORMING Fe ¹²⁺ AND Fe ¹³⁺ . Astrophysical Journal, 2011, 729, 76.	4.5	31
70	Electron-ion merged-beam experiments at heavy-ion storage rings. Nuclear Instruments & Methods in Physics Research B, 2015, 350, 61-65.	1.4	31
71	Dielectronic and Trielectronic Recombination Rate Coefficients of Be-like Ar ¹⁴⁺ . Astrophysical Journal, Supplement Series, 2018, 235, 2.	7.7	31
72	Neutralization of He ⁺ and He ²⁺ on Pb surfaces. Surface Science, 1991, 257, 289-296.	1.9	30

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73	Hollow Atom Dynamics on LiF Covered Au(111): Role of the Surface Electronic Structure. Physical Review Letters, 1998, 81, 1219-1222.	7.8	30
74	Anisotropy effects in electron capture by O^{6+} from aligned $Na^*(3p)$. Physical Review Letters, 1994, 72, 1628-1631.	7.8	28
75	The interaction of hydrogenic ions with metal and semiconductor surfaces. Surface Science, 1994, 313, 355-364.	1.9	28
76	Prominent role of multielectron processes in K -shell double and triple photodetachment of oxygen anions. Physical Review A, 2016, 94, .	2.5	28
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109	Electron-capture-to-continuum cusp in U^{208} ions. Physical Review A, 2015, 91, .	2.5	20
110	Electron-impact single ionization of W^{19} ions. Physical Review A, 2016, 93, .	2.5	20
111	Photoionization and photofragmentation of singly charged positive and negative K -edge single, double, and triple photoionization of C^{19} ions. Physical Review A, 2016, 93, .	2.5	20
112	Photoionization and photofragmentation of singly charged positive and negative N^{80} ions. Physical Review A, 2019, 99, .	2.5	20
113	Near L-edge Single and Multiple Photoionization of Triply Charged Iron Ions. Astrophysical Journal, 2019, 887, 189.	4.5	20
114	Electron-impact single and multiple ionization of Mg^{+} ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 1503-1518.	1.5	19
115	Strong contributions of indirect processes to the electron-impact ionization cross section of Sc^{+} ions. Physical Review A, 2004, 70, .	2.5	19
116	Electron-impact ionization of Ti^{3+} ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 4387-4395.	1.5	19
117	ELECTRON-ION RECOMBINATION OF Fe^{XII} FORMING Fe^{XI} : LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. Astrophysical Journal, 2012, 753, 57.	4.5	19
118	Single-photon single ionization of W^{+} ions: experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 235203.	1.5	19
119	Electron-ion collision spectroscopy: Lithium-like xenon ions. Physical Review A, 2015, 91, .	2.5	19
120	Inner-shell X-ray absorption spectra of the cationic series NH^{y+} ($y = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10$). Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, L453-L460.	2.5	19
121	Enhanced dielectronic recombination of lithium-like Ti^{19+} ions in external E – B fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, L453-L460.	1.5	18
122	Rate enhancement in the recombination of Bi^{80+} ions with electrons. Physical Review A, 2002, 66, .	2.5	18
123	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.	4.5	18
124	Effect of an external magnetic field on the determination of $E1M1$ two-photon decay rates in Be-like ions. Physical Review A, 2013, 88, .	2.5	18
125	Anisotropy and polarization in charge changing collisions of with $Na(3s)$ and laser aligned $Na(3p)$. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 2819-2836.	1.5	17
126	STORAGE RING CROSS-SECTION MEASUREMENTS FOR ELECTRON IMPACT SINGLE AND DOUBLE IONIZATION OF Fe^{9+} AND SINGLE IONIZATION OF Fe^{10+} . Astrophysical Journal, 2012, 760, 80.	4.5	17

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127	Electron-loss-to-continuum cusp in $U^{88+} + N_2$ collisions. Physical Review A, 2014, 90, .	2.5	17
128	K -shell photoionization of Be-like boron (B^{+}) ions: experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 135201.	1.5	17
129	The photon-ion merged beams experiment PIPE at PETRA "The first five years. X-Ray Spectrometry, 2020, 49, 11-20.	1.4	17
130	Near L-edge Single and Multiple Photoionization of Doubly Charged Iron Ions. Astrophysical Journal, 2021, 908, 52.	4.5	17
131	Dielectronic recombination resonances in Na^{8+} . Physical Review A, 2004, 70, .	2.5	16
132	Photoionization of tungsten ions with synchrotron radiation. Physica Scripta, 2011, T144, 014052.	2.5	16
133	K in electron-impact single ionization of metastable two-electron N		

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145	Doubly excited resonances in the photoionization spectrum of Li+. Journal of Physics: Conference Series, 2007, 58, 387-390.	0.4	13
146	Detailed investigation of electron-impact single-ionization cross sections and plasma rate coefficients of N-shell tin ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 175201.	1.5	13
147	An efficient, movable single-particle detector for use in cryogenic ultra-high vacuum environments. Review of Scientific Instruments, 2015, 86, 023303.	1.3	13
148	Time Scales for Charge Equilibration of $Oq+(3\hat{a}\%q\hat{a}\%8)$ Ions during Surface-Channeling Interactions with Au(110). Physical Review Letters, 1995, 75, 983-983.	7.8	12
149	Dielectronic recombination of lithium-like gold: Towards QED tests. , 1998, 114, 45-48.		12
150	Stepwise contraction of the n Rydberg shells in the 3d photoionization of multiply-charged xenon ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144003.	1.5	12
151	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe^{7+} . Astrophysical Journal, 2015, 813, 16.	4.5	12
152	Photoionization and photofragmentation of the C^{6+} ion. Physical Review A, 2016, 93, .	2.5	12
153	Photoabsorption of the molecular IH cation at the iodine edge. Physical Review A, 2018, 97, .	2.5	12
154	Hyperfine quenching of resonances in dielectronic recombination of zinc-like Pt^{48+} . Nuclear Instruments & Methods in Physics Research B, 2005, 235, 265-269.	1.4	11
155	Multiple ionization of Sc^{+} ions by electron impact. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 2015-2028.	1.5	11
156	Fine-structure resolved photoionization of metastable Be-like ions C III, N IV, and O V. Journal of Physics: Conference Series, 2007, 58, 383-386.	0.4	11
157	Strong asymmetry of the electron-loss-to-continuum cusp of multielectron U^{28+} in near-relativistic collisions with gaseous targets. Physical Review A, 2016, 93, .	2.5	11
158	Electron-impact single ionisation of W^{11+} ions: experiment and theory for $11 \hat{a}\% <i>q</i> \hat{a}\% 18$. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 015201.	1.5	11
159	Experimental O^{VI} dielectronic recombination rate coefficient and its enhancement by external electric fields. Astronomy and Astrophysics, 2003, 405, 1157-1162.	5.1	11
160	Experimental N^{V} and Ne^{VIII} low-temperature dielectronic recombination rate coefficients. Astronomy and Astrophysics, 2005, 437, 1151-1157.	5.1	10
161	Electron-impact ionization of B^{3+} ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 175203.	1.5	10
162	Electron-impact single ionization of Xe^{10+} ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 205205.	1.5	10

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163	Electron-impact-ionization measurements using hyperfine-assisted state preparation of ground-state berylliumlike sulfur. <i>Physical Review A</i> , 2012, 85, .	2.5	10
164	Absolute rate coefficients for the recombination of open f-shell tungsten ions. <i>Journal of Physics: Conference Series</i> , 2014, 488, 012051.	0.4	10
165	Analytical expression for the convolution of a Fano line profile with a gaussian. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 219, 33-36.	2.3	10
166	Dielectronic recombination rate coefficients of fluorine-like nickel. <i>Astronomy and Astrophysics</i> , 2019, 627, A171.	5.1	10
167	Electron-impact single ionisation of W^{14+} ions: subconfiguration-average and level-to-level distorted wave calculations. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 075201.	1.5	10
168	Anisotropy effects in single electron transfer between laser excited atoms and highly charged ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995, 98, 177-183.	1.4	9
169	Photoionization and electron-impact ionization of Kr^{5+} . <i>Physical Review A</i> , 2006, 74, .	2.5	9
170	Photorecombination of berylliumlike Ti^{18+} : Hyperfine quenching of dielectronic resonances. <i>Journal of Physics: Conference Series</i> , 2007, 58, 137-140.	0.4	9
171	Relativistic, QED and nuclear effects in highly charged ions revealed by resonant electron-ion recombination in storage rings. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 192-195.	1.4	9
172	State-resolved valence shell photoionization of Be-like ions: experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 225201.	1.5	9
173	Recombination of Au^{20+} at low electron-ion collision energies. <i>Physica Scripta</i> , 2011, T144, 014039.	2.5	9
174	Electron-impact ionization of Xe^{24+} . Theory versus experiment. <i>Physical Review A</i> , 2015, 92, .	2.5	9
175	Recombination of open-f-shell tungsten ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 052001.	1.5	9
176	Cross sections for photoionization of fullerene molecular ions C_n^{+} with $n < 25$	2.5	9
177	Indirect contributions to electron-impact ionization of Li^+ ($1s2sS13$) ions: Role of intermediate double-K-vacancy states. <i>Physical Review A</i> , 2018, 97, .	2.5	9
178	Photoionization of Astrophysically Relevant Atomic Ions at PIPE. <i>Atoms</i> , 2020, 8, 45.	1.6	9
179	Experimental search for interference effects in the total Sc^{3+} recombination rate. <i>Physical Review A</i> , 1999, 59, 3092-3094.	2.5	8
180	Recombination of $F6^+$ with Free Electrons at Very Low Energies. <i>Physica Scripta</i> , 1999, T80, 298.	2.5	8

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181	A high-current electron gun for electron-ion collision physics. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 201-206.	1.4	8
182	High resolution low-energy dielectronic recombination rate coefficients of beryllium-like germanium: QED test bench for two-valence-electron systems. Journal of Physics: Conference Series, 2009, 163, 012058.	0.4	8
183	Future experiments using forward electron spectroscopy to study the quantum dynamics of high-Z ions at the ESR/CRYRING storage rings. Physica Scripta, 2013, T156, 014087.	2.5	8
184	Single and multiple photoionization of W^{q+} tungsten ions in charge states $q=1,2,\dots,5$: experiment and theory. Journal of Physics: Conference Series, 2014, 488, 022032.	0.4	8
185	Plasma rate coefficients for electron-impact ionization of Xe^{q+} ions ($q=8, \dots, 17$). Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 035203.	1.5	8
186	X-ray emission associated with radiative recombination for Pb^{82+} ions at threshold energies. Physical Review A, 2022, 105, .	2.5	8
187	Recombination of Bare Cl^{17+} Ions in an Electron Cooler. Physica Scripta, 2001, T92, 402-405.	2.5	7
188	Low-energy collisions with atomic and molecular ions in a photocathode electron target. Journal of Physics: Conference Series, 2009, 194, 012024.	0.4	7
189	Publisher's Note: Confinement Resonances in Photoionization of Xe^{60+} [Phys. Rev. Lett. 105, 213001 (2010)]. Physical Review Letters, 2010, 105, .	7.8	7
190	Storage-ring ionization and recombination experiments with multiply charged ions relevant to astrophysical and fusion plasmas. Journal of Physics: Conference Series, 2012, 388, 012010.	0.4	7
191	Dielectronic recombination of in-flight synthesized exotic isotopes. Journal of Physics: Conference Series, 2012, 388, 062042.	0.4	7
192	ELECTRON-ION RECOMBINATION OF Fe^{12+} FORMING Fe^{11+} : LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. Astrophysical Journal, 2014, 788, 46.	4.5	7
193	Ab-Initio Calculations of Level Energies, Oscillator Strengths and Radiative Rates for E1 Transitions in Beryllium-Like Iron. Atoms, 2015, 3, 2-52.	1.6	7
194	Photoionization of tungsten ions: experiment and theory for W^{4+} . Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 085007.	1.5	7
195	Shell single and double core-hole production and decay in L -shell		

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199	Spin asymmetry in electron-impact ionization. <i>Physical Review A</i> , 2019, 100, .	2.5	6
200	Experimental studies on photoabsorption by endohedral fullerene ions with a focus on Xe@C_{60}^{+} confinement resonances. <i>Physica Scripta</i> , 2021, 96, 064004.	2.5	6
201	PAMOP Project: Petaflop Computations in Support of Experiments. , 2016, , 51-74.		6
202	Recombination of Sc^{3+} ions with free electrons. , 1998, 114, 273-276.		5
203	Photoionization of Sc^{2+} : Experimental link with photorecombination of Sc^{3+} by application of detailed balance. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 205, 297-300.	1.4	5
204	Autoionizing high-Rydberg states of very heavy Be-like ions: A tool for precision spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 205, 66-69.	1.4	5
205	Electron impact ionization of xenon ions. <i>Journal of Physics: Conference Series</i> , 2009, 194, 062014.	0.4	5
206	PIPE: A versatile photon-ion spectrometer at PETRAIII. <i>Journal of Physics: Conference Series</i> , 2009, 194, 142012.	0.4	5
207	Photoionization effect in the dipole and nondipole anisotropy parameters of the Kr^{4+} photoelectrons in the vicinity of the Kr^{4+} photoionization threshold. <i>Journal of Physics: Conference Series</i> , 2012, 388, 012007.	2.5	5
208	Towards a measurement of the $2s^2p^3P^{\circ} \rightarrow 2s^2p^2S^{\circ}$ two photon transition rate in Be-like xenon ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 012007.	0.4	5
209	Electron-impact ionization of multiply charged tungsten ions. <i>Journal of Physics: Conference Series</i> , 2014, 488, 062026.	0.4	5
210	Experimental concepts of positron spectroscopy at HESR. <i>Physica Scripta</i> , 2015, T166, 014026.	2.5	5
211	Absolute rate coefficients for photorecombination of beryllium-like and boron-like silicon ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 074004.	1.5	5
212	Photoionization of tungsten ions: experiment and theory for W^{5+} . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 195005.	1.5	5
213	Absorption spectra at the iodine 3d ionisation threshold following the CH_3^+ cation sequence. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25415-25424.	2.8	5
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