

Alfred Muller

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427
papers

8,681
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49
h-index

69
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441
ext. papers

9,136
ext. citations

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avg, IF

5.48
L-index

#	Paper	IF	Citations
427	Scaling of cross sections for multiple electron transfer to highly charged ions colliding with atoms and molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1977 , 62, 391-394	2.3	163
426	High-resolution measurement of dielectronic recombination of lithiumlike Cu ²⁶⁺ . <i>Physical Review A</i> , 1992 , 46, 5730-5740	2.6	131
425	Electron-ion collisions: Fundamental processes in the focus of applied research. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2008 , 293-417	1.7	124
424	Photoexcitation of a volume plasmon in C ₆₀ ions. <i>Physical Review Letters</i> , 2005 , 94, 065503	7.4	119
423	Precise determination of the 2s(1/2)-2p(1/2) splitting in very heavy lithiumlike ions utilizing dielectronic recombination. <i>Physical Review Letters</i> , 2003 , 91, 073202	7.4	119
422	Dielectronic recombination of hydrogenlike oxygen in a heavy-ion storage ring. <i>Physical Review Letters</i> , 1990 , 64, 737-740	7.4	119
421	Development of single-particle detectors for keV ions. <i>Review of Scientific Instruments</i> , 1982 , 53, 829-837	1.7	118
420	An unexpectedly low oscillator strength as the origin of the Fe XVII emission problem. <i>Nature</i> , 2012 , 492, 225-8	50.4	114
419	Field effects on the Rydberg product-state distribution from dielectronic recombination. <i>Physical Review Letters</i> , 1986 , 56, 127-130	7.4	105
418	Confinement resonances in photoionization of Xe@C ₆₀ . <i>Physical Review Letters</i> , 2010 , 105, 213001	7.4	103
417	Correlated two-electron transitions in electron-impact ionization of Li ⁺ ions. <i>Physical Review Letters</i> , 1989 , 63, 758-761	7.4	92
416	Storage Ring Measurement of the Dielectronic Recombination Rate Coefficient. <i>Astrophysical Journal</i> , 2001 , 555, 1027-1037	4.7	91
415	Isotope shift in the dielectronic recombination of three-electron ANd ⁵⁷⁺ . <i>Physical Review Letters</i> , 2008 , 100, 073201	7.4	90
414	Merged-beams experiments in atomic and molecular physics. <i>Reports on Progress in Physics</i> , 1999 , 62, 1143-1180	14.4	90
413	Influence of magnetic fields on electron-ion recombination at very low energies. <i>Physical Review Letters</i> , 2000 , 84, 4822-5	7.4	86
412	Storage ring at HIE-ISOLDE. <i>European Physical Journal: Special Topics</i> , 2012 , 207, 1-117	2.3	84
411	Resonances in electron-impact single, double, and triple ionization of heavy metal ions. <i>Physical Review Letters</i> , 1988 , 61, 70-73	7.4	84

410	Indirect processes in the electron-impact ionization of Li-like ions. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1990 , 16, 113-127		80
409	Experimental cross sections for electron impact ionisation of hydrogen-like Li ²⁺ ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1989 , 22, 531-540	1.3	79
408	Absolute ionisation cross sections for electrons incident on O ⁺ , Ne ⁺ , Xe ⁺ and Ar ⁱ⁺ (i=1,...,5) ions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1980 , 13, 1877-1899		79
407	Electron capture processes of multiply charged argon ions in argon at energies from 10 to 90 keV. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1975 , 8, 230-238		78
406	Dielectronic and radiative recombination of lithiumlike gold. <i>Physical Review Letters</i> , 1992 , 69, 2768-2771	1.4	76
405	Electron-impact ionization of Fe ¹⁵⁺ ions: An ion storage ring cross section measurement. <i>Physical Review Letters</i> , 1995 , 74, 4173-4176	7.4	74
404	Multiple-electron capture and ionization in collisions of highly stripped ions with Ar atoms. <i>Physical Review A</i> , 1986 , 33, 3010-3017	2.6	74
403	Screened radiative corrections from hyperfine-split dielectronic resonances in lithiumlike scandium. <i>Physical Review Letters</i> , 2008 , 100, 033001	7.4	73
402	Experimental cross sections for electron-impact ionization of iron ions: Fe ⁵⁺ , Fe ⁶⁺ , and Fe ⁹⁺ . <i>Physical Review A</i> , 1986 , 34, 3657-3667	2.6	73
401	Experimental measurements of field effects on dielectronic recombination cross sections and Rydberg product-state distributions. <i>Physical Review A</i> , 1987 , 36, 599-613	2.6	73
400	Electron capture by Li ⁱ⁺ (i=2,3), Ni ⁺ and Ne ⁱ⁺ (i=2,3,4,5) ions from atomic hydrogen. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1981 , 14, 3475-3491		72
399	Prospects for an atomic parity-violation experiment in U ⁹⁰⁺ . <i>Physical Review A</i> , 1989 , 40, 7362-7365	2.6	67
398	Physics book: CRYRING@ESR. <i>European Physical Journal: Special Topics</i> , 2016 , 225, 797-882	2.3	67
397	Storage-ring measurement of the hyperfine induced 47Ti ¹⁸⁺ (2s2p 3P ⁰ → 2s2 1S ⁰) transition rate. <i>Physical Review Letters</i> , 2007 , 98, 033001	7.4	66
396	Ionization of helium by highly charged ions at 1.4 MeV/amu. <i>Physical Review A</i> , 1987 , 35, 2479-2483	2.6	65
395	Dielectronic recombination of xenonlike tungsten ions. <i>Physical Review A</i> , 2011 , 83,	2.6	64
394	Dielectronic capture with subsequent two-electron emission in electron-impact ionization of C ³⁺ ions. <i>Physical Review Letters</i> , 1988 , 61, 1352-1355	7.4	63
393	Dielectronic Recombination in Photoionized Gas: The Importance of Fine-structure Core Excitations. <i>Astrophysical Journal</i> , 1997 , 489, L115-L118	4.7	62

392	L-Shell Contributions to Multiple Ionization of Ar^i Ions ($i=1, 2, 3$) by Electron Impact. <i>Physical Review Letters</i> , 1980 , 44, 29-32	7.4	62
391	Significant redistribution of Ce 4d oscillator strength observed in photoionization of endohedral Ce@C_{82}^+ ions. <i>Physical Review Letters</i> , 2008 , 101, 133001	7.4	61
390	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		60
389	Dielectronic Recombination in Photoionized Gas. II. Laboratory Measurements for Fe xviii and Fe xix. <i>Astrophysical Journal, Supplement Series</i> , 1999 , 123, 687-702	8	59
388	Probing confinement resonances by photoionizing Xe inside a C_{60}^+ molecular cage. <i>Physical Review A</i> , 2013 , 88,	2.6	58
387	X-ray resonant photoexcitation: linewidths and energies of K α transitions in highly charged Fe ions. <i>Physical Review Letters</i> , 2013 , 111, 103002	7.4	57
386	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	1.2	57
385	Observation of a four-electron Auger process in near-K-edge photoionization of singly charged carbon ions. <i>Physical Review Letters</i> , 2015 , 114, 013002	7.4	55
384	Observation of trielectronic recombination in Be-like Cl ions. <i>Physical Review Letters</i> , 2003 , 91, 043001	7.4	54
383	Single particle counting of heavy ions with a channeltron detector. <i>Nuclear Instruments & Methods</i> , 1980 , 175, 379-384		54
382	Dielectronic recombination resonances in F^{6+} . <i>Physical Review A</i> , 2002 , 66,	2.6	53
381	Single ionisation of multiply charged xenon ions by electron impact. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1984 , 17, 1405-1425		52
380	Field Enhanced Dielectronic Recombination of Si^{11+} Ions. <i>Physical Review Letters</i> , 1997 , 79, 2233-2236	7.4	51
379	Experiments with highly-charged ions in the storage ring TSR. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1991 , 21, S69-S75		50
378	Interference effects in the photorecombination of argonlike Sc^{3+} ions: Storage-ring experiment and theory. <i>Physical Review A</i> , 2002 , 65,	2.6	49
377	Lifetime of a K-shell vacancy in atomic carbon created by $1s \rightarrow 2p$ photoexcitation of C^+ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, L103-L109	1.3	48
376	Recombination of Free Electrons with Ions. <i>Physica Scripta</i> , 1991 , T37, 62-65	2.6	48
375	Electron-Impact Double Ionization of I^{1+} and Xe^{q+} ($q=1, \dots, 4$) Ions: Role of 4d Electrons Like in Photoionization. <i>Physical Review Letters</i> , 1983 , 50, 2070-2073	7.4	48

374	Electron impact ionization and dielectronic recombination of sodium-like iron ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 98, 154-157	1.2	47
373	Electron-impact ionization of Mg-like ions: S4+, Cl5+, and Ar6+. <i>Physical Review A</i> , 1986 , 33, 3779-3786	2.6	46
372	A dense electron target for the study of electron-ion collisions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1985 , 9, 385-388	1.2	46
371	Breit interaction in dielectronic recombination of hydrogenlike uranium. <i>Physical Review A</i> , 2011 , 83,	2.6	45
370	Merged-beams energy-loss technique for electron-ion excitation: Absolute total cross sections for O5+(2s-->2p). <i>Physical Review A</i> , 1994 , 49, 4585-4596	2.6	45
369	Production of multiply charged rare-gas ions by relativistic electrons. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1983 , 16, 2039-2052		45
368	Statistical Interpretation of Transfer Ionization in Slow Collisions of Multiply Charged Ions with Atoms. <i>Physical Review Letters</i> , 1983 , 51, 107-109	7.4	45
367	Photoionisation of ions with synchrotron radiation: from ions in space to atoms in cages. <i>Contemporary Physics</i> , 2016 , 57, 215-229	3.3	44
366	Production of antihydrogen by recombination of barp with e+: What can we learn from electron-ion collision studies? 1997 , 109, 233-267		44
365	Dielectronic Recombination of FexxiiiForming Fexxii: Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2006 , 642, 1275-1285	4.7	44
364	Experimental Mg IX photorecombination rate coefficient. <i>Astronomy and Astrophysics</i> , 2004 , 421, 1185-1191		44
363	Absolute detection efficiencies of microchannel plates for 0.1-0.3 keV electrons and 2.1-4 keV Mg+ ions. <i>Review of Scientific Instruments</i> , 1986 , 57, 349-353	1.7	44
362	Transfer ionisation in slow collisions of multiply-charged ions with atoms. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1983 , 16, 1997-2015		44
361	Production of highly charged rare-gas recoil ions by 1.4-MeV/amu U44+. <i>Physical Review A</i> , 1982 , 26, 1373-1377	2.6	44
360	Absolute cross sections for photoionization of Xe _q ⁺ ions (1 ≤ q ≤ 5) at the 3d ionization threshold. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 115602	1.3	43
359	Photoionization of C ²⁺ ions: time-reversed recombination of C ³⁺ with electrons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002 , 35, L137-L143	1.3	43
358	Dielectronic recombination of lithiumlike Ni ²⁵⁺ ions: High-resolution rate coefficients and influence of external crossed electric and magnetic fields. <i>Physical Review A</i> , 2000 , 62,	2.6	43
357	Photorecombination of ions: search for interference effects, recombination at low energies and rate coefficient in plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998 , 31, 4873-4886	1.3	42

356	Dielectronic recombination of lithium-like Ar ¹⁵⁺ . <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1994 , 30, 291-306		42
355	Resonant transfer and excitation: Dependence on projectile charge state and target-electron momentum distribution. <i>Physical Review A</i> , 1986 , 34, 2543-2546	2.6	42
354	Dielectronic Recombination (via N = 2 → N ? = 2 Core Excitations) and Radiative Recombination of Fe xx : Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal, Supplement Series</i> , 2002 , 138, 337-370	8	41
353	Recombination of with free electrons at very low energies. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998 , 31, 2415-2428	1.3	41
352	Dielectronic Recombination of Fe xxi and Fe xxii via N = 2 → N ? = 2 Core Excitations. <i>Astrophysical Journal, Supplement Series</i> , 2003 , 147, 421-435	8	40
351	High Rydberg resonances in dielectronic recombination of pb(79+). <i>Physical Review Letters</i> , 2002 , 89, 053201	7.4	40
350	Dielectronic Recombination of FexixForming Fexviii: Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2002 , 576, 1098-1107	4.7	40
349	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,	2.6	39
348	Experimental Evidence for Magnetic Field Effects on Dielectronic Recombination via High Rydberg States. <i>Physical Review Letters</i> , 1999 , 82, 3779-3782	7.4	39
347	Photoionization of Ne Atoms and Ne+Ions Near the K Edge: PrecisionSpectroscopy and Absolute Cross-sections. <i>Astrophysical Journal</i> , 2017 , 836, 166	4.7	38
346	Experimental link of photoionization of Sc ²⁺ to photorecombination of Sc ³⁺ : an application of detailed balance in a unique atomic system. <i>Physical Review Letters</i> , 2002 , 89, 193002	7.4	38
345	Electron-impact single and double ionization of W ¹⁷⁺ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 165202	1.3	37
344	Photoionization of Sc ²⁺ ions by synchrotron radiation: Measurements and absolute cross sections in the photon energy range 2388 eV. <i>Physical Review A</i> , 2003 , 67,	2.6	37
343	Plasma rate coefficients for highly charged ionElectron collisions: new experimental access via ion storage rings. <i>International Journal of Mass Spectrometry</i> , 1999 , 192, 9-22	1.9	37
342	Fusion-Related Ionization and Recombination Data for Tungsten Ions in Low to Moderately High Charge States. <i>Atoms</i> , 2015 , 3, 120-161	2.1	36
341	Recombination of bare Bi ⁸³⁺ ions with electrons. <i>Physical Review A</i> , 2000 , 63,	2.6	36
340	K-shell photoionization of Be-like carbon ions: experiment and theory for C ²⁺ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005 , 38, 1967-1975	1.3	35
339	Multiple ionisation of multiply charged xenon ions by electron impact. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1984 , 17, 1427-1444		35

338	Electron-Ion Recombination Measurements Motivated by AGN X-Ray Absorption Features: Fe xiv Forming Fe xiii. <i>Astrophysical Journal</i> , 2006 , 641, L157-L160	4.7	34
337	Doubly excited resonances in the photoionization spectrum of Li+: experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, 3957-3968	1.3	34
336	Photoionization of the endohedral fullerene ions Sc ₃ N@C ₈₀ and Ce@C ₈₂ by synchrotron radiation. <i>Journal of Physics: Conference Series</i> , 2007 , 88, 012038	0.3	34
335	Resonant recombination at ion storage rings: a conceptual alternative for isotope shift and hyperfine studies. <i>Hyperfine Interactions</i> , 2010 , 196, 115-127	0.8	33
334	Semiempirical formulae for electron-impact double-ionization cross sections of light positive ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005 , 38, 525-545	1.3	33
333	Interference of direct and resonant channels in electron-impact ionization of C ³⁺ ions: Unified R-matrix calculation and experiment. <i>Physical Review A</i> , 2000 , 61,	2.6	33
332	Photoionization studies of the B valence shell: experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003 , 36, 3371-3381	1.3	32
331	Dielectronic recombination of ground-state and metastable Li ⁺ ions. <i>Physical Review A</i> , 1999 , 60, R3350-R3353	3.2	32
330	Resonant electron impact ionization and recombination of Li-like Cl ¹⁴⁺ and Si ¹¹⁺ at the Heidelberg Test Storage Ring. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 98, 142-145	1.2	32
329	Determination of the 2s ² p excitation energy of lithiumlike scandium using dielectronic recombination. <i>Physical Review A</i> , 2004 , 70,	2.6	31
328	Simultaneous capture and ionization in helium. <i>Physical Review A</i> , 1987 , 35, 3265-3268	2.6	31
327	K-shell photoionization of ground-state Li-like carbon ions [C ³⁺]: experiment, theory and comparison with time-reversed photorecombination. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 235602	1.3	30
326	Storage-ring measurement of the hyperfine-induced 2s2p 3P ⁰ →2s2 1S ⁰ transition rate in berylliumlike sulfur. <i>Physical Review A</i> , 2012 , 85,	2.6	30
325	Multiple ionization and the charge state evolution of ions exposed to electron impact. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1986 , 113, 415-419	2.3	30
324	Electron impact double ionisation of Ar ⁺ and Ar ⁴⁺ ions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1985 , 18, 3011-3016		30
323	Single and double electron transfer in Ar ¹⁺ -He collisions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1976 , 59, 19-20	2.3	30
322	Recombination measurements at low energies with Au ⁴⁹⁺ , ⁵⁰⁺ , ⁵¹⁺ at the TSR 1997 , 108, 149-154		29
321	Recombination of U ⁹²⁺ ions with electrons. <i>European Physical Journal D</i> , 2001 , 15, 145-154	1.3	29

320	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	2.3	29
319	Roadmap on photonic, electronic and atomic collision physics: I. Light-matter interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019 , 52, 171001	1.3	28
318	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe ¹¹⁺ +FORMING Fe ¹²⁺ +AND Fe ¹³⁺ . <i>Astrophysical Journal</i> , 2011 , 729, 76	4.7	28
317	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	2.3	28
316	Threshold truncation of a giant-dipole resonance in photoionization of Ti ³⁺ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, L209-L216	1.3	27
315	Precision studies of deep-inner-shell photoabsorption by atomic ions. <i>Physica Scripta</i> , 2015 , 90, 054004	2.6	26
314	Near-L-edge Single and Multiple Photoionization of Singly Charged Iron Ions. <i>Astrophysical Journal</i> , 2017 , 849, 5	4.7	26
313	Doubly autoionizing capture resonances in e ⁻ + Mg ⁺ collisions. <i>Zeitschrift für Physik D-Atome Molecules and Clusters</i> , 1990 , 15, 145-149		26
312	Structure in the energy dependence of high-energy electron-capture cross sections. <i>Physical Review A</i> , 1986 , 33, 3591-3594	2.6	26
311	Role of metastable argon ions in Ar ⁺⁺ +Ar charge-exchange collisions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1976 , 9, 291-293		26
310	Prominent role of multielectron processes in K-shell double and triple photodetachment of oxygen anions. <i>Physical Review A</i> , 2016 , 94,	2.6	25
309	Multiple ionisation of Ne, Ar, Kr and I by nearly relativistic U ions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1986 , 19, L47-L52		25
308	An electron beam ion source for the production of multiply charged heavy ions. <i>Nuclear Instruments & Methods</i> , 1975 , 128, 1-7		25
307	Electron impact ionization of ground-state and metastable Li ⁺ -ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 025203	1.3	24
306	Single-photon excitation of K _n heliumlike Kr ³⁴⁺ : Results supporting quantum electrodynamics predictions. <i>Physical Review A</i> , 2015 , 92,	2.6	23
305	ELECTRON-ION RECOMBINATION OF Fe X FORMING Fe IX AND OF Fe XI FORMING Fe X: LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. <i>Astrophysical Journal</i> , 2009 , 698, 648-659	4.7	23
304	Electron-ion recombination for Fe ^{viii} forming Fe ^{vii} and Fe ^{ix} forming Fe ^{viii} : measurements and theory. <i>Astronomy and Astrophysics</i> , 2008 , 492, 265-275	5.1	23
303	Electron-ion recombination of SiIV forming SiIII: Storage-ring measurement and multiconfiguration Dirac-Fock calculations. <i>Physical Review A</i> , 2007 , 76,	2.6	23

302	Recombination in electron coolers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 441, 183-190	1.2	23
301	Dielectronic capture processes in the electron-impact ionization of Sc ²⁺ . <i>Physical Review A</i> , 1994 , 49, 933-938	2.6	23
300	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe ¹²⁺ +FORMING Fe ¹³⁺ +AND Fe ¹⁴⁺ . <i>Astrophysical Journal</i> , 2011 , 735, 105	4.7	22
299	Isotope shifts in dielectronic recombination: From stable to in-flight-produced nuclei. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 012023	0.3	22
298	Scully et al. Reply:. <i>Physical Review Letters</i> , 2007 , 98,	7.4	22
297	Electron impact double ionisation of Ar ^{q+} ions (q=1, 2, . . . , 7): two-electron processes compared with inner-shell contributions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1989 , 22, 1241-1248	1.3	22
296	Photoionization and photofragmentation of multiply charged Lu ³⁺ N@C ₈₀ ions. <i>Physical Review A</i> , 2015 , 92,	2.6	21
295	Radiative-electron-capture-to-continuum cusp in U ⁸⁸⁺ N ₂ collisions and the high-energy endpoint of electron-nucleus bremsstrahlung. <i>Physical Review A</i> , 2014 , 90,	2.6	21
294	Probing nuclear properties by resonant atomic collisions between electrons and ions. <i>Physica Scripta</i> , 2013 , T156, 014050	2.6	20
293	Towards a precision spectroscopy of very highly charged ions by employing dielectronic recombination. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 98, 158-161	1.2	20
292	Electron impact single ionisation of multiply charged krypton ions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987 , 20, 1121-1134		20
291	Electron-impact ionization of O ⁵⁺ : Improved measurements. <i>Physical Review A</i> , 1987 , 36, 595-598	2.6	20
290	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	1.3	19
289	Electron-impact ionization of Ti ³⁺ ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, 4387-4395	1.3	19
288	Measurement of the field-induced dielectronic-recombination-rate enhancement of O ⁵⁺ ions differential in the Rydberg quantum number n. <i>Physical Review A</i> , 2002 , 65,	2.6	19
287	Recombination of electrons with highly charged heavy ions at very low energies. <i>Hyperfine Interactions</i> , 1996 , 99, 295-300	0.8	19
286	Electron-impact single and double ionization of Ba ²⁺ and Ba ³⁺ ions. <i>Physical Review A</i> , 1991 , 43, 3522-3534	2.6	19
285	Electron-impact ionization of La ^{q+} ions (q=1,2,3). <i>Physical Review A</i> , 1989 , 40, 3584-3598	2.6	19

284	Signal enhancement in electron-ion crossed-beams experiments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1987 , 24-25, 369-372	1.2	19
283	Collisions of Fast Highly Charged Ions in Gas Targets: Ionization, Recoil-Ion Production, and Charge Transfer. <i>Physica Scripta</i> , 1983 , T3, 153-158	2.6	19
282	Absolute measurement of radiative and Auger rates of K ℓ vacancy states in highly charged Fe ions. <i>Physical Review A</i> , 2015 , 91,	2.6	18
281	Recombination of W ¹⁹⁺ ions with electrons: Absolute rate coefficients from a storage-ring experiment and from theoretical calculations. <i>Physical Review A</i> , 2016 , 93,	2.6	18
280	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	4.7	18
279	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	7.4	18
278	STORAGE RING MEASUREMENT OF ELECTRON IMPACT IONIZATION FOR Mg ⁷⁺ FORMING Mg ⁸⁺ . <i>Astrophysical Journal</i> , 2010 , 712, 1166-1171	4.7	18
277	Recombination measurements at low energies with Ar ¹⁶⁺ and Ar ¹⁸⁺ ions in a dense, cold electron target 1997 , 108, 167-175		18
276	Dielectronic Recombination of Fe ^{x+} Forming Fe ^{xiv} : Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2007 , 664, 1244-1252	4.7	18
275	Strong contributions of indirect processes to the electron-impact ionization cross section of Sc ⁺ ions. <i>Physical Review A</i> , 2004 , 70,	2.6	18
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