

Andreas Wolf

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

385
papers

7,794
citations

48
h-index

67
g-index

401
ext. papers

8,175
ext. citations

2.9
avg, IF

4.91
L-index

#	Paper	IF	Citations
385	High-resolution measurement of dielectronic recombination of lithiumlike Cu^{26+} . <i>Physical Review A</i> , 1992 , 46, 5730-5740	2.6	131
384	First laser cooling of relativistic ions in a storage ring. <i>Physical Review Letters</i> , 1990 , 64, 2901-2904	7.4	129
383	Dielectronic recombination of hydrogenlike oxygen in a heavy-ion storage ring. <i>Physical Review Letters</i> , 1990 , 64, 737-740	7.4	119
382	High-resolution measurement of the dielectronic recombination of fluorinelike selenium ions. <i>Physical Review A</i> , 1996 , 53, 1413-1423	2.6	114
381	Laser-enhanced electron-ion capture and antihydrogen formation. <i>Zeitschrift für Physik A</i> , 1983 , 313, 253-262		108
380	Dissociative recombination of CH^+ : Cross section and final states. <i>Physical Review A</i> , 1996 , 54, 4032-4050	2.6	105
379	Observation of laser-induced recombination in merged electron and proton beams. <i>Physical Review Letters</i> , 1991 , 67, 22-25	7.4	103
378	High-resolution dissociative recombination of cold H_3^+ and first evidence for nuclear spin effects. <i>Physical Review Letters</i> , 2005 , 95, 263201	7.4	100
377	First experiments with the heidelberg test storage ring TSR. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1989 , 43, 390-410	1.2	99
376	Test of relativistic time dilation with fast optical atomic clocks at different velocities. <i>Nature Physics</i> , 2007 , 3, 861-864	16.2	94
375	High-precision measurement of the magnetic-dipole decay rate of metastable heliumlike carbon ions in a storage ring. <i>Physical Review Letters</i> , 1994 , 72, 1616-1619	7.4	94
374	Storage Ring Measurement of the CIV Recombination Rate Coefficient. <i>Astrophysical Journal</i> , 2001 , 555, 1027-1037	4.7	91
373	Precision Measurement of the Electric Dipole Intercombination Rate in C^{2+} . <i>Physical Review Letters</i> , 1997 , 78, 4355-4358	7.4	90
372	Isotope shift in the dielectronic recombination of three-electron ANd^{57+} . <i>Physical Review Letters</i> , 2008 , 100, 073201	7.4	90
371	Improved test of time dilation in special relativity. <i>Physical Review Letters</i> , 2003 , 91, 190403	7.4	90
370	Influence of magnetic fields on electron-ion recombination at very low energies. <i>Physical Review Letters</i> , 2000 , 84, 4822-5	7.4	86
369	Storage ring at HIE-ISOLDE. <i>European Physical Journal: Special Topics</i> , 2012 , 207, 1-117	2.3	84

368	Imaging the absolute configuration of a chiral epoxide in the gas phase. <i>Science</i> , 2013 , 342, 1084-6	33.3	84
367	Precision measurements and computations of transition energies in rotationally cold triatomic hydrogen ions up to the midvisible spectral range. <i>Physical Review Letters</i> , 2012 , 108, 023002	7.4	80
366	Dissociative recombination of cold HD ⁺ at the Test Storage Ring. <i>Physical Review Letters</i> , 1993 , 70, 426-429	7.4	75
365	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
364	Screened radiative corrections from hyperfine-split dielectronic resonances in lithiumlike scandium. <i>Physical Review Letters</i> , 2008 , 100, 033001	7.4	73
363	Measurement of branching ratios for the dissociative recombination of cold HD ⁺ using fragment imaging. <i>Physical Review Letters</i> , 1995 , 75, 814-817	7.4	70
362	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
361	Two- and three-body kinematical correlation in the dissociative recombination of H(3)(+). <i>Physical Review Letters</i> , 2001 , 86, 779-82	7.4	65
360	Measurement of the B ⁺ and Al ⁺ intercombination and Sc ¹²⁺ forbidden transition rates at a heavy-ion storage ring. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999 , 32, 537-552	1.3	65
359	Dielectronic recombination of xenonlike tungsten ions. <i>Physical Review A</i> , 2011 , 83,	2.6	64
358	Dielectronic Recombination in Photoionized Gas: The Importance of Fine-structure Core Excitations. <i>Astrophysical Journal</i> , 1997 , 489, L115-L118	4.7	62
357	Ultra-cold electron source with a GaAs-photocathode. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 532, 418-421 ^{1.2}	1.2	61
356	Dissociative recombination of vibrationally excited HD ⁺ : State-selective experimental investigation. <i>Physical Review A</i> , 1999 , 60, 3769-3785	2.6	61
355	Energy distributions of electrons emitted from GaAs(Cs, O). <i>Applied Physics Letters</i> , 2001 , 78, 2721-2723 ^{3.4}	3.4	60
354	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
353	Absolute high-resolution rate coefficients for dissociative recombination of electrons with HD ⁺ : Comparison of results from three heavy-ion storage rings. <i>Physical Review A</i> , 2003 , 68,	2.6	57
352	A cryogenic electrostatic trap for long-time storage of keV ion beams. <i>Review of Scientific Instruments</i> , 2010 , 81, 055105	1.7	56
351	The high-resolution electron-ion collision facility at TSR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 532, 298-302 ^{1.2}	1.2	56

350	Vibrational and rotational cooling of H ₃ ⁺ . <i>Physical Review A</i> , 2002 , 66,	2.6	56
349	Breakup dynamics and the isotope effect in H ₃ ⁺ and D ₃ ⁺ dissociative recombination. <i>Physical Review A</i> , 2002 , 66,	2.6	55
348	Electron cooling and recombination experiments with an adiabatically expanded electron beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996 , 369, 11-22	1.2	55
347	Observation of trielectronic recombination in Be-like Cl ions. <i>Physical Review Letters</i> , 2003 , 91, 043001	7.4	54
346	Action spectroscopy and temperature diagnostics of H ⁺ 3 by chemical probing. <i>Journal of Chemical Physics</i> , 2004 , 121, 11030-7	3.9	53
345	Dielectronic recombination resonances in F ₆ ⁺ . <i>Physical Review A</i> , 2002 , 66,	2.6	53
344	The cryogenic storage ring CSR. <i>Review of Scientific Instruments</i> , 2016 , 87, 063115	1.7	52
343	Field Enhanced Dielectronic Recombination of Si ¹¹⁺ Ions. <i>Physical Review Letters</i> , 1997 , 79, 2233-2236	7.4	51
342	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
341	Remeasurement of the magnetic moment of the antiproton. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1988 , 37, 557-561		50
340	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
339	Dissociative recombination of HD ⁺ in selected vibrational quantum states. <i>Science</i> , 1998 , 281, 75-8	33.3	49
338	Crossed beam photodissociation imaging of HeH ⁺ with vacuum ultraviolet free-electron laser pulses. <i>Physical Review Letters</i> , 2007 , 98, 223202	7.4	48
337	Preparation and performance of transmission-mode GaAs photocathodes as sources for cold dc electron beams. <i>Journal of Applied Physics</i> , 2000 , 88, 6788-6800	2.5	48
336	Lifetime measurement of He ⁺ using an electrostatic ion trap. <i>Physical Review A</i> , 1999 , 59, 267-270	2.6	48
335	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
334	A residual-gas ionization beam profile monitor for the Heidelberg Test Storage Ring TSR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994 , 343, 401-414	1.2	47
333	Test of time dilation using stored Li ⁺ ions as clocks at relativistic speed. <i>Physical Review Letters</i> , 2014 , 113, 120405	7.4	46

332	The electrostatic Cryogenic Storage Ring CSR [Mechanical concept and realization. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011 , 269, 2871-2874	1.2	46
331	Near-Threshold Photodissociation of Cold CH ⁺ in a Storage Ring. <i>Physical Review Letters</i> , 1998 , 80, 2809-2812	2.12	46
330	High-resolution storage-ring measurements of the dissociative recombination of H ₃ ⁺ using a supersonic expansion ion source. <i>Physical Review A</i> , 2010 , 82,	2.6	45
329	Production of antihydrogen by recombination of barp with e ⁺ : What can we learn from electron-ion collision studies? 1997 , 109, 233-267		44
328	Dielectronic Recombination of FexxiiiForming Fexxii: Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2006 , 642, 1275-1285	4-7	44
327	Experimental Mg IX photorecombination rate coefficient. <i>Astronomy and Astrophysics</i> , 2004 , 421, 1185-1191	1.91	44
326	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
325	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
324	M1 transition rate in Cl ¹²⁺ from an electron-beam ion trap and heavy-ion storage ring. <i>Physical Review A</i> , 2002 , 66,	2.6	42
323	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
322	Coulomb explosion imaging at the heavy ion storage ring TSR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 413, 379-396	1.2	41
321	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
320	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
319	M1/E2/M2 decay rates in Fe VII, Fe IX, Fe X and Fe XIII measured using a heavy-ion storage ring. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003 , 36, 1129-1141	1.3	40
318	Dielectronic Recombination of FexixForming Fexviii: Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2002 , 576, 1098-1107	4-7	40
317	Efficient, Indirect Transverse Laser Cooling of a Fast Stored Ion Beam. <i>Physical Review Letters</i> , 1996 , 77, 623-626	7-4	40
316	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
315	Resonant structure of low-energy H ₃ ⁺ dissociative recombination. <i>Physical Review A</i> , 2011 , 83,	2.6	39

314	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
313	Electron-induced vibrational deexcitation of H ₂ ⁺ . <i>Physical Review A</i> , 2000 , 62,	2.6	38
312	Laser-stimulated formation and stabilization of antihydrogen atoms. <i>Hyperfine Interactions</i> , 1993 , 76, 189-201	0.8	38
311	M1/E2 transition rates in FeX through FeXIII measured at a heavy-ion storage ring. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002 , 35, 671-689	1.3	36
310	Stable to unstable transition in the (Cs, O) activation layer on GaAs (100) surfaces with negative electron affinity in extremely high vacuum. <i>Applied Surface Science</i> , 1996 , 99, 361-365	6.7	36
309	Chemical probing spectroscopy of H ₃ ⁺ above the barrier to linearity. <i>Journal of Chemical Physics</i> , 2008 , 129, 164312	3.9	35
308	Physics with colder molecular ions: The Heidelberg Cryogenic Storage Ring CSR. <i>Journal of Physics: Conference Series</i> , 2005 , 4, 296-299	0.3	35
307	Photodissociation spectroscopy of stored CH ⁺ ions: Detection, assignment, and close-coupled modeling of near-threshold Feshbach resonances. <i>Journal of Chemical Physics</i> , 2002 , 117, 8754-8777	3.9	35
306	Dielectronic recombination from the ground state of heliumlike carbon ions. <i>Physical Review A</i> , 1993 , 47, 4859-4864	2.6	35
305	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
304	Laser cooling of stored high-velocity ions by means of the spontaneous force. <i>Physical Review A</i> , 1993 , 48, 2127-2144	2.6	34
303	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
302	Dielectronic recombination of ground-state and metastable Li ⁺ ions. <i>Physical Review A</i> , 1999 , 60, R3350-R3353	2.6	32
301	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
300	Product-state distributions in the dissociative recombination of 3HeD ⁺ and 4HeH ⁺ . <i>Physical Review A</i> , 1996 , 54, R4617-R4620	2.6	32
299	Vibrational autodetachment of sulfur hexafluoride anions at its long-lifetime limit. <i>Physical Review A</i> , 2014 , 89,	2.6	31
298	Determination of the 2s ² p excitation energy of lithiumlike scandium using dielectronic recombination. <i>Physical Review A</i> , 2004 , 70,	2.6	31
297	Dissociative recombination and low-energy inelastic electron collisions of the helium dimer ion. <i>Physical Review A</i> , 2005 , 72,	2.6	31

296	New resonances in the dissociative recombination of vibrationally cold CD ⁺ . <i>Physical Review Letters</i> , 1994 , 72, 2002-2005	7.4	31
295	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
294	Action spectroscopy of H ₃ ⁺ and D ₂ H ⁺ using overtone excitation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006 , 364, 2931-40; discussion 2940-2	3	30
293	Breakup dynamics and isotope effects in D ₂ H ⁺ and H ₂ D ⁺ dissociative recombination. <i>Physical Review A</i> , 2004 , 69,	2.6	30
292	Evidence for subthermal rotational populations in stored molecular ions through state-dependent dissociative recombination. <i>Physical Review Letters</i> , 2003 , 91, 143201	7.4	30
291	Dissociative recombination of cold OH ⁺ : Evidence for indirect recombination through excited core Rydberg states. <i>Physical Review A</i> , 1996 , 53, R644-R647	2.6	30
290	Recombination measurements at low energies with Au ⁴⁹⁺ , ⁵⁰⁺ , ⁵¹⁺ at the TSR 1997 , 108, 149-154		29
289	Electrostatic ion beam trap for electron collision studies. <i>Review of Scientific Instruments</i> , 2005 , 76, 013104		29
288	Precision measurement of strong interaction isotope effects in antiprotonic ¹⁶ O, ¹⁷ O, and ¹⁸ O atoms. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 176, 327-333	4.2	29
287	Photodissociation of an Internally Cold Beam of CH ⁺ Ions in a Cryogenic Storage Ring. <i>Physical Review Letters</i> , 2016 , 116, 113002	7.4	28
286	Quantum-state-selective electron recombination studies suggest enhanced abundance of primordial HeH. <i>Science</i> , 2019 , 365, 676-679	33.3	28
285	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
284	An ultra-low-energy storage ring at FLAIR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 546, 405-417	1.2	28
283	Measurement of the N ⁺ 2s2p ³ 5S _{2o} level lifetime using a heavy-ion storage ring. <i>Physical Review A</i> , 1998 , 58, 4449-4452	2.6	28
282	Rovibrational relaxation model for H ₃ ⁺ . <i>New Journal of Physics</i> , 2004 , 6, 151-151	2.9	27
281	Radiative Rotational Lifetimes and State-Resolved Relative Detachment Cross Sections from Photodetachment Thermometry of Molecular Anions in a Cryogenic Storage Ring. <i>Physical Review Letters</i> , 2017 , 119, 023202	7.4	25
280	Fragmentation channels in dissociative electron recombination with hydronium and other astrophysically important species. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 4870-4	2.8	25
279	Long term operation of high quantum efficiency GaAs(Cs,O) photocathodes using multiple recleaning by atomic hydrogen. <i>Journal of Applied Physics</i> , 2009 , 106, 054907	2.5	25

278	Branching ratios in the dissociative recombination of polyatomic ions: The H ₃ ⁺ case. <i>Physical Review A</i> , 2001 , 65,	2.6	25
277	Intercombination and forbidden transition rates in C- and N-like ions (O ₂ ⁺ , F ₃ ⁺ , and S ₉ ⁺) measured at a heavy-ion storage ring. <i>Physical Review A</i> , 2000 , 62,	2.6	25
276	Laser-induced recombination studies with the adiabatically expanded electron beam of the Heidelberg TSR. <i>Hyperfine Interactions</i> , 1996 , 99, 309-316	0.8	25
275	Curve Crossing and Branching Ratios in the Dissociative Recombination of HD ⁺ . <i>Physical Review Letters</i> , 1997 , 79, 1829-1832	7.4	24
274	Magnetic dipole transition rates in B-like and F-like titanium ions measured at a heavy-ion storage ring. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999 , 264, 311-317	2.3	24
273	DISSOCIATIVE RECOMBINATION MEASUREMENTS OF HCl ⁺ USING AN ION STORAGE RING. <i>Astrophysical Journal</i> , 2013 , 777, 54	4.7	23
272	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
271	Rotational cooling of HD ⁺ molecular ions by superelastic collisions with electrons. <i>Physical Review Letters</i> , 2009 , 102, 223202	7.4	23
270	Neutral and charged photofragment coincidence imaging with soft x rays on molecular ion beams: Breakup of H ₃ O ⁺ at 13.5 nm. <i>Physical Review A</i> , 2009 , 80,	2.6	23
269	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
268	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
267	Effects of molecular rotation in low-energy electron collisions of H ₃ ⁺ . <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006 , 364, 2981-96; discussion 2996-7	3	23
266	Progress in stored ion beam experiments on atomic and molecular processes. <i>Hyperfine Interactions</i> , 2006 , 172, 111-124	0.8	23
265	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
264	Ground state of CH ₂ ⁺ : Experimental aspects and theoretical implications. <i>Physical Review A</i> , 1999 , 59, 1865-1868	2.6	23
263	COLD ELECTRON REACTIONS PRODUCING THE ENERGETIC ISOMER OF HYDROGEN CYANIDE IN INTERSTELLAR CLOUDS. <i>Astrophysical Journal Letters</i> , 2012 , 746, L8	7.9	22
262	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
261	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

260	Energy-sensitive imaging detector applied to the dissociative recombination of D ₂ H ⁺ . <i>Physical Review A</i> , 2010 , 81,	2.6	22
259	THE LOW-TEMPERATURE NUCLEAR SPIN EQUILIBRIUM OF H ⁺ 3IN COLLISIONS WITH H ₂ . <i>Astrophysical Journal</i> , 2012 , 759, 21	4.7	21
258	Photocathodes as electron sources for high resolution merged beam experiments. <i>Journal of Physics: Conference Series</i> , 2005 , 4, 290-295	0.3	21
257	Measurements of long atomic lifetimes at an ion storage ring. <i>Hyperfine Interactions</i> , 1996 , 99, 155-165	0.8	21
256	Dissociative recombination of electrons with diatomic molecular cations above dissociation threshold: Application to H ₂ ⁺ and HD ⁺ . <i>Physical Review A</i> , 2013 , 87,	2.6	20
255	Structure and stability of the negative hydrogen molecular ion. <i>Physical Review Letters</i> , 2011 , 107, 193003	3.4	20
254	Thermionic power-law decay of excited aluminum-cluster anions and its dependence on storage-device temperature. <i>Physical Review A</i> , 2011 , 83,	2.6	20
253	Transverse energy spread of photoelectrons emitted from GaAs photocathodes with negative electron affinity. <i>Applied Physics Letters</i> , 1997 , 71, 2967-2969	3.4	20
252	Laser-stimulated recombination spectroscopy for the study of long-range interactions in highly charged Rydberg ions. <i>Physical Review Letters</i> , 1995 , 75, 802-805	7.4	20
251	Fast scintillators as radiation resistant heavy-ion detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996 , 369, 277-283	1.2	20
250	Atomic lifetime measurements on forbidden transitions of Al-, Si-, P- and S-like ions at a heavy-ion storage ring. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 025002	1.3	19
249	Rate coefficients and final states for the dissociative recombination of LiH ⁺ . <i>Physical Review Letters</i> , 2001 , 86, 4005-8	7.4	19
248	Recombination of electrons with highly charged heavy ions at very low energies. <i>Hyperfine Interactions</i> , 1996 , 99, 295-300	0.8	19
247	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
246	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
245	Hot water molecules from dissociative recombination of D ₃ O ⁺ with cold electrons. <i>Physical Review Letters</i> , 2010 , 105, 103202	7.4	18
244	STORAGE RING MEASUREMENT OF ELECTRON IMPACT IONIZATION FOR Mg ⁷⁺ FORMING Mg ⁸⁺ . <i>Astrophysical Journal</i> , 2010 , 712, 1166-1171	4.7	18
243	Dielectronic Recombination of Fe ^{xv} Forming Fe ^{xiv} : Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2007 , 664, 1244-1252	4.7	18

242	Enhancement of low energy electron-ion recombination in a magnetic field: influence of transient field effects. <i>Physical Review Letters</i> , 2005 , 95, 243201	7.4	18
241	Relaxation dynamics of deuterated formyl and isoformyl cations. <i>Journal of Chemical Physics</i> , 2002 , 116, 7000-7011	3.9	18
240	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	4.7	17
239	M1/E2 decay rates in Co XI, Ni XII and Cu XIII measured at a heavy-ion storage ring. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, 945-952	1.3	17
238	Coulomb-explosion imaging of CH ₂ ⁺ : Target-polarization effects and bond-angle distribution. <i>Physical Review A</i> , 2004 , 69,	2.6	17
237	Enhanced dielectronic recombination of lithium-like Ti ¹⁹⁺ ions in external EB fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000 , 33, L453-L460	1.3	17
236	Radiative decay and autoionization in the 4 D-states of the 3d 94s5s configuration in Cu I. <i>Zeitschrift für Physik A</i> , 1981 , 300, 115-118		17
235	Photolysis of water-radical ions H ₂ O ⁺ in the xuv: Fragmentation through dicationic states. <i>Physical Review A</i> , 2013 , 87,	2.6	16
234	Sub-Doppler laser spectroscopy on relativistic beams and tests of Lorentz invariance. <i>Physical Review A</i> , 2009 , 80,	2.6	16
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