

Andreas Wolf

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7754893/andreas-wolf-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Laser Probing of the Rotational Cooling of Molecular Ions by Electron Collisions.. <i>Physical Review Letters</i> , 2022 , 128, 183402	7.4	1
384	An approach for multi-color action spectroscopy of highly excited states of H ₃ ⁺ . <i>Journal of Molecular Spectroscopy</i> , 2021 , 378, 111476	1.3	2
383	Transverse electron cooling of heavy molecular ions. <i>Physical Review Accelerators and Beams</i> , 2021 , 24,	1.8	1
382	Polarization-dependent disappearance of a resonance signal: Indication for optical pumping in a storage ring?. <i>Physical Review Accelerators and Beams</i> , 2021 , 24,	1.8	1
381	Metastable states of Si ¹⁶⁺ observed in a cryogenic storage ring. <i>Physical Review A</i> , 2021 , 104,	2.6	3
380	Astrochemical studies at the Cryogenic Storage Ring. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180412	3	5
379	Quantum-state-selective electron recombination studies suggest enhanced abundance of primordial HeH. <i>Science</i> , 2019 , 365, 676-679	33.3	28
378	Near-threshold photodissociation of cool OH to O + H and O + H. <i>Journal of Chemical Physics</i> , 2019 , 151, 044303	3.9	
377	Roadmap on photonic, electronic and atomic collision physics: II. Electron and antimatter interactions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019 , 52, 171002	1.3	14
376	Transfer matrix calculation for ion optical elements using real fields. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 885, 124-133	1.2	2
375	Long-Term Monitoring of the Internal Energy Distribution of Isolated Cluster Systems. <i>Physical Review Letters</i> , 2018 , 120, 253001	7.4	9
374	Dissociative Recombination Measurements of Chloronium Ions (D ₂ Cl ⁺) Using an Ion Storage Ring. <i>Astrophysical Journal</i> , 2018 , 862, 166	4.7	4
373	Single-particle detection of products from atomic and molecular reactions in a cryogenic ion storage ring. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 851, 92-102	1.2	4
372	Recombination of open-f-shell tungsten ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017 , 50, 052001	1.3	8
371	Photorecombination of berylliumlike and boronlike silicon ions. <i>Journal of Physics: Conference Series</i> , 2017 , 875, 052005	0.3	
370	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
369	The phase slip factor of the electrostatic cryogenic storage ring CSR. <i>Journal of Physics: Conference Series</i> , 2017 , 874, 012049	0.3	0

368	Decay processes and radiative cooling of small anionic copper clusters. <i>Physical Review A</i> , 2016 , 94,	2.6	12
367	Recombination of W19+ 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
366	Storage ring cross section measurements for electron impact ionization of Fe8+. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016 , 49, 084006	1.3	3
365	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
364	MOCCA: A 4k-Pixel Molecule Camera for the Position- and Energy-Resolving Detection of Neutral Molecule Fragments at CSR. <i>Journal of Low Temperature Physics</i> , 2016 , 184, 839-844	1.3	5
363	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	1.3	3
362	Spreading times of ion-bunches in the Cryogenic Trap for Fast ion beams. <i>International Journal of Mass Spectrometry</i> , 2016 , 396, 1-4	1.9	4
361	The cryogenic storage ring CSR. <i>Review of Scientific Instruments</i> , 2016 , 87, 063115	1.7	52
360	An efficient, movable single-particle detector for use in cryogenic ultra-high vacuum environments. <i>Review of Scientific Instruments</i> , 2015 , 86, 023303	1.7	12
359	Electronic and photonic reactive collisions in edge fusion plasma and interstellar space: Application to H ₂ and BeH systems. <i>Journal of Physics: Conference Series</i> , 2015 , 576, 012005	0.3	2
358	Superpositions of Chiral Molecules. <i>Physics Magazine</i> , 2015 , 8,	1.1	4
357	Cryogenic micro-calorimeters for mass spectrometric identification of neutral molecules and molecular fragments. <i>Journal of Applied Physics</i> , 2015 , 118, 104503	2.5	9
356	Toward laser-induced vibrational emission spectroscopy of C ⁺⁶⁰ . <i>Journal of Physics: Conference Series</i> , 2015 , 635, 112072	0.3	
355	Cryogenic micro-calorimeters for mass spectrometry of keV neutral atoms and molecules. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 032023	0.3	
354	Simultaneous measurement of photorecombination and electron-impact ionization of Fe ¹⁴⁺ ions. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 052002	0.3	
353	Dissociative recombination measurements of SH ⁺ with cold electrons. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 072067	0.3	3
352	An ion source platform of the cryogenic storage ring (CSR). <i>Journal of Physics: Conference Series</i> , 2015 , 635, 112061	0.3	
351	The cryogenic storage ring CSR for collision experiments with state-controlled and phase-space cooled molecular ion beams. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 072059	0.3	1

350	Determination of the absolute configuration of a chiral epoxide using foil induced Coulomb explosion imaging. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 012014	0.3	
349	Laser-induced delayed electron emission of Co ^{II} anions. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 112054	0.3	
348	Electron-ion recombination of the open-4f-shell ion W ¹⁹⁺ . <i>Journal of Physics: Conference Series</i> , 2015 , 635, 052003	0.3	
347	The HD+dissociative recombination rate coefficient at low temperature. <i>EPJ Web of Conferences</i> , 2015 , 84, 01001	0.3	1
346	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe ⁷⁺ . <i>Astrophysical Journal</i> , 2015 , 813, 16	4.7	9
345	Coulomb explosion imaged cryptochiral (R,R)-2,3-dideuteriooxirane: unambiguous access to the absolute configuration of (+)-glyceraldehyde. <i>Chemistry - A European Journal</i> , 2014 , 20, 5555-8	4.8	15
344	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
343	Test of time dilation using stored Li ⁺ ions as clocks at relativistic speed. <i>Physical Review Letters</i> , 2014 , 113, 120405	7.4	46
342	Low cryogen inventory, forced flow Ne cooling system with room temperature compression stage and heat recuperation. <i>Cryogenics</i> , 2014 , 59, 7-11	1.8	
341	Communication: Visible line intensities of the triatomic hydrogen ion from experiment and theory. <i>Journal of Chemical Physics</i> , 2014 , 141, 241104	3.9	15
340	Absolute rate coefficients for the recombination of open f-shell tungsten ions. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 012051	0.3	9
339	Dielectronic recombination of boronlike Si ⁹⁺ ions at the heavy-ion storage ring TSR. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 062011	0.3	
338	Metastable states of diatomic hydrogen anions. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 012034	0.3	2
337	Dissociative recombination of NH ⁺ . <i>Journal of Physics: Conference Series</i> , 2014 , 488, 062028	0.3	
336	First light on 3d photoionization of multiply charged xenon ions: a new photon-ion merged beam setup at PETRA III. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 142006	0.3	
335	Recombination of open-4f-shell W ¹⁸⁺ ions with free electrons. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 062015	0.3	
334	Dielectronic recombination of berylliumlike Si ¹⁰⁺ ions at the heavy-ion storage ring TSR. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 062012	0.3	
333	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

332	DISSOCIATIVE RECOMBINATION MEASUREMENTS OF NH ⁺ USING AN ION STORAGE RING. <i>Astrophysical Journal</i> , 2014 , 792, 132	4.7	6
331	Absolute rate coefficients for photorecombination and electron-impact ionization of magnesiumlike iron ions from measurements at a heavy-ion storage ring. <i>Physical Review A</i> , 2014 , 90,	2.6	11
330	Maximum intensity, transmission limited cold electron beams from GaAs photocathode in the eV and sub-eV kinetic energy range. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014 , 17,		5
329	Lifetime of low vibrational levels of the metastable B 2B2 state of H ₂ O ⁺ probed by photodissociation at 532 nm. <i>Physical Review A</i> , 2014 , 89,	2.6	8
328	Absolute configuration assignment of a chiral molecule in the gas phase using foil-induced Coulomb explosion imaging. <i>Physical Review A</i> , 2014 , 90,	2.6	6
327	Vibrational autodetachment of sulfur hexafluoride anions at its long-lifetime limit. <i>Physical Review A</i> , 2014 , 89,	2.6	31
326	Exploring high-energy doubly excited states of NH by dissociative recombination of NH ⁺ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 035201	1.3	1
325	Storage-ring measurement of the hyperfine induced 2s2p 3P0 -> 2s2 1S0 transition rate in berylliumlike sulfur. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 062016	0.3	
324	ELECTRON-ION RECOMBINATION OF Fe ¹²⁺ FORMING Fe ¹¹⁺ : LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. <i>Astrophysical Journal</i> , 2014 , 788, 46	4.7	5
323	Photoionization and fragmentation of H ₃ O ⁺ under XUV irradiation. <i>Physical Review A</i> , 2013 , 88,	2.6	11
322	Imaging the absolute configuration of a chiral epoxide in the gas phase. <i>Science</i> , 2013 , 342, 1084-6	33.3	84
321	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
320	Metastable states of D ₂ ⁺ observed by foil-induced Coulomb explosion imaging. <i>Physical Review A</i> , 2013 , 87,	2.6	8
319	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
318	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
317	DISSOCIATIVE RECOMBINATION MEASUREMENTS OF HCl ⁺ USING AN ION STORAGE RING. <i>Astrophysical Journal</i> , 2013 , 777, 54	4.7	23
316	Storage ring at HIE-ISOLDE. <i>European Physical Journal: Special Topics</i> , 2012 , 207, 1-117	2.3	84
315	Storage ring measurements of the dissociative recombination of H ₃ ⁺ . <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012 , 370, 5088-100	3	11

314	COLD ELECTRON REACTIONS PRODUCING THE ENERGETIC ISOMER OF HYDROGEN CYANIDE IN INTERSTELLAR CLOUDS. <i>Astrophysical Journal Letters</i> , 2012 , 746, L8	7.9	22
313	Single and double electron photodetachment from the oxygen anion at 41.7 nm. <i>Physical Review A</i> , 2012 , 86,	2.6	6
312	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
311	ELECTRON-ION RECOMBINATION OF Mg6 +FORMING Mg5 +AND OF Mg7 +FORMING Mg6 +: LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. <i>Astrophysical Journal</i> , 2012 , 758, 40	4.7	18
310	STORAGE RING CROSS-SECTION MEASUREMENTS FOR ELECTRON IMPACT SINGLE AND DOUBLE IONIZATION OF Fe9 +AND SINGLE IONIZATION OF Fe10 +. <i>Astrophysical Journal</i> , 2012 , 760, 80	4.7	14
309	Heavy-ion storage-ring-lifetime measurement of metastable levels in the C-, N-, and O-like ions of Si, P, and S. <i>Physical Review A</i> , 2012 , 85,	2.6	12
308	M1 and E2 decay-dependent lifetime of the lowest 1S0 level in C-like ions up to Ne4+ measured at a heavy-ion storage ring. <i>New Journal of Physics</i> , 2012 , 14, 023061	2.9	5
307	Radiative cooling of Al ¹³⁺ and Al ¹⁴⁺ in a cryogenic environment. <i>New Journal of Physics</i> , 2012 , 14, 065007	2.9	15
306	The decay of ion bunches in the self-bunching mode. <i>New Journal of Physics</i> , 2012 , 14, 073010	2.9	10
305	Electron-impact-ionization measurements using hyperfine-assisted state preparation of ground-state berylliumlike sulfur. <i>Physical Review A</i> , 2012 , 85,	2.6	9
304	Storage-ring measurement of the hyperfine-induced 2s2p 3P0->2s2 1S0 transition rate in berylliumlike sulfur. <i>Physical Review A</i> , 2012 , 85,	2.6	30
303	Isoelectronic trends of the E1-forbidden decay rates of Al-, Si-, P-, and S-like ions of Cl, Ti, Mn, Cu, and Ge. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 215003	1.3	15
302	ELECTRON-ION RECOMBINATION OF Fe XII FORMING Fe XI: LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS. <i>Astrophysical Journal</i> , 2012 , 753, 57	4.7	15
301	Visible transitions from ground state H3+ measured with high-sensitivity action spectroscopy. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012 , 370, 5028-40	3	9
300	Dielectronic recombination of xenonlike tungsten ions. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 062028	0.3	1
299	THE LOW-TEMPERATURE NUCLEAR SPIN EQUILIBRIUM OF H+3IN COLLISIONS WITH H2. <i>Astrophysical Journal</i> , 2012 , 759, 21	4.7	21
298	Photon-ion spectrometer PIPE at the Variable Polarization XUV Beamline of PETRA III. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 142016	0.3	2
297	Storage ring meets astrophysics: Dielectronic recombination of L-shell and M-shell iron ions. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 062029	0.3	

296	XUV photofragmentation of small water cluster cations at FLASH. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 032078	0.3	1
295	Electron impact ionization measurements at the Heidelberg heavy ion storage ring TSR. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 062021	0.3	
294	ADDENDUM: STORAGE RING MEASUREMENT OF ELECTRON IMPACT IONIZATION FOR Mg7 +FORMING Mg8 +[(2010, ApJ, 712, 1166). <i>Astrophysical Journal</i> , 2012 , 761, 77	4.7	
293	ADDENDUM: STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe11 +FORMING Fe12 +AND Fe13 +[(2011, ApJ, 729, 76). <i>Astrophysical Journal</i> , 2012 , 761, 78	4.7	
292	ADDENDUM: STORAGE RING CROSS-SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe12 +FORMING Fe13 +AND Fe14 +[(2011, ApJ, 735, 105). <i>Astrophysical Journal</i> , 2012 , 761, 79	4.7	1
291	Astrochemistry in an Ion Storage Ring. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 012012	0.3	
290	Towards a storage-ring measurement of the hyperfine induced 2s2p3P0-> 2s21S0transition rate in berylliumlike sulfur. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 152004	0.3	
289	HITRAP [Heavy, highly charged Ions at Rest: Status and experimental Opportunities. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 142009	0.3	2
288	Dissociative recombination of D2Cl+and other astrophysically relevant polyatomic ions. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 062047	0.3	1
287	The Cryogenic Storage Ring and its application to molecular ion recombination physics. <i>Journal of Physics: Conference Series</i> , 2011 , 300, 012010	0.3	6
286	Fast-beam fragmentation experiments on dissociative recombination. <i>Journal of Physics: Conference Series</i> , 2011 , 300, 012008	0.3	6
285	Electronmolecular cation reactive collisions: from channel mixing to competitive processes. <i>Journal of Physics: Conference Series</i> , 2011 , 300, 012018	0.3	0
284	Branching ratios in dissociative recombination of formyl and isoformyl cations. <i>Journal of Physics: Conference Series</i> , 2011 , 300, 012004	0.3	4
283	Rotational Cooling of HD+by Superelastic Collisions with Electrons. <i>Journal of Physics: Conference Series</i> , 2011 , 300, 012006	0.3	3
282	Testing Time Dilation on Fast Ion Beams. <i>Journal of Physics: Conference Series</i> , 2011 , 312, 102014	0.3	2
281	Recombination of Au20+at low electronbn collision energies. <i>Physica Scripta</i> , 2011 , T144, 014039	2.6	7
280	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe12 +FORMING Fe13 +AND Fe14 +. <i>Astrophysical Journal</i> , 2011 , 735, 105	4.7	22
279	STORAGE RING CROSS SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe11+FORMING Fe12+AND Fe13+. <i>Astrophysical Journal</i> , 2011 , 729, 76	4.7	28

278	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
277	Comment on: [Lorentz violation in high-energy ions]by Santosh Devasia. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	2
276	Preparatory measurements for a test of time dilation in the ESRThis paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at École de Physique, les Houches, France, 30 May [4 June, 2010.. <i>Canadian Journal of Physics</i> , 2011 , 89, 85-93	1.1	6
275	Structure and stability of the negative hydrogen molecular ion. <i>Physical Review Letters</i> , 2011 , 107, 193003,4	3.4	20
274	Enhanced Schottky signals from electron-cooled, coasting beams in a heavy-ion storage ring. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 629, 1-5	1.2	2
273	M1, M2 and hyperfine-induced decay rates in Mg-like ions of Co, Ni and Cu measured at a heavy-ion storage ring. <i>New Journal of Physics</i> , 2011 , 13, 023017	2.9	11
272	A novel method for fundamental interaction studies with an electrostatic ion beam trap. <i>Journal of Physics: Conference Series</i> , 2011 , 267, 012013	0.3	7
271	Assignment of resonances in dissociative recombination of HD ⁺ ions: High-resolution measurements compared with accurate computations. <i>Physical Review A</i> , 2011 , 84,	2.6	14
270	Mutual projectile and target ionization in 1-MeV/amu N ⁴⁺ and N ⁵⁺⁺ He collisions. <i>Physical Review A</i> , 2011 , 84,	2.6	10
269	Resonant structure of low-energy H ₃ ⁺ dissociative recombination. <i>Physical Review A</i> , 2011 , 83,	2.6	39
268	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
267	Dielectronic recombination of xenonlike tungsten ions. <i>Physical Review A</i> , 2011 , 83,	2.6	64
266	Hot water molecules from dissociative recombination of D ₃ O ⁺ with cold electrons. <i>Physical Review Letters</i> , 2010 , 105, 103202	7.4	18
265	Fragmentation pathways of H+(H ₂ O) ₂ after extreme ultraviolet photoionization. <i>Physical Review Letters</i> , 2010 , 105, 253003	7.4	15
264	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
263	Photoelectron spectroscopy of O[λ 266 nm: Ratio of ground- and excited-state atomic oxygen production and channel-resolved photoelectron anisotropy parameters. <i>Physical Review A</i> , 2010 , 82,	2.6	9
262	A cryogenic electrostatic trap for long-time storage of keV ion beams. <i>Review of Scientific Instruments</i> , 2010 , 81, 055105	1.7	56
261	Soft-x-ray fragmentation studies of molecular ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010 , 43, 194007	1.3	8

260	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
259	Ultraviolet and visible light photodissociation of H ₃ ⁺ in an ion storage ring. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 4864-9	2.8	11
258	STORAGE RING MEASUREMENT OF ELECTRON IMPACT IONIZATION FOR Mg ⁷⁺ FORMING Mg ⁸⁺ . <i>Astrophysical Journal</i> , 2010 , 712, 1166-1171	4.7	18
257	Experimental investigation of dissociation pathways of cooled HeH ⁺ following valence electron excitation at 32 nm by intense free-electron-laser radiation. <i>Physical Review A</i> , 2010 , 82,	2.6	14
256	Energy-sensitive imaging detector applied to the dissociative recombination of D ₂ H ⁺ . <i>Physical Review A</i> , 2010 , 81,	2.6	22
255	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
254	LASER SPECTROSCOPY ON RELATIVISTIC ION BEAMS 2010 ,		3
253	Resonant recombination at ion storage rings: a conceptual alternative for isotope shift and hyperfine studies 2010 , 115-127		
252	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
251	Dissociative recombination of CF ⁺ : Experiment and theory. <i>Journal of Physics: Conference Series</i> , 2009 , 192, 012021	0.3	4
250	Fragmentation by electron recombination for HF ⁺ and CF ⁺ . <i>Journal of Physics: Conference Series</i> , 2009 , 194, 062028	0.3	1
249	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
248	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
247	Rotational cooling of HD ⁺ molecular ions by superelastic collisions with electrons. <i>Physical Review Letters</i> , 2009 , 102, 223202	7.4	23
246	Sub-Doppler laser spectroscopy on relativistic beams and tests of Lorentz invariance. <i>Physical Review A</i> , 2009 , 80,	2.6	16
245	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
244	Towards a precision test of time dilation at high velocity This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at University of Windsor, Windsor, Ontario, Canada on 21-26 July 2008.. <i>Canadian Journal of Physics</i> , 2009 , 87, 749-756	1.1	2
243	High resolution low-energy dielectronic recombination rate coefficients of beryllium-like germanium: QED test bench for two-valence-electron systems. <i>Journal of Physics: Conference Series</i> , 2009 , 163, 012058	0.3	8

242	Low-energy collisions with atomic and molecular ions in a photocathode electron target. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 012024	0.3	7
241	Ultraviolet photodissociation of H ₃ ⁺ . <i>Journal of Physics: Conference Series</i> , 2009 , 194, 022101	0.3	2
240	Low-lying dielectronic resonances of Fe XXII for accurate energy determination of autoionising Rydberg levels on boronlike cores. <i>Journal of Physics: Conference Series</i> , 2009 , 163, 012059	0.3	2
239	Electron collisions with 4He ²⁺ at the TSR. <i>Journal of Physics: Conference Series</i> , 2009 , 192, 012013	0.3	
238	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
237	PIPE: A versatile photon-ion spectrometer at PETRAIII. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 142012	0.3	5
236	Spectroscopy and dissociative recombination of the lowest rotational states of H ₃ ⁺ . <i>Journal of Physics: Conference Series</i> , 2009 , 192, 012022	0.3	11
235	Anisotropic fragmentation in low-energy dissociative recombination. <i>Journal of Physics: Conference Series</i> , 2009 , 192, 012024	0.3	2
234	An ultra cold photoelectron gun for the Heidelberg TSR target section. <i>Journal of Physics: Conference Series</i> , 2009 , 192, 012025	0.3	5
233	Soft x-ray photolysis of the hydronium ion. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 022074	0.3	
232	Experimental rate coefficient for dielectronic recombination of neonlike iron forming sodiumlike iron. <i>Journal of Physics: Conference Series</i> , 2009 , 163, 012028	0.3	3
231	Experimental studies of electron collisions with atomic ions for astrophysical plasmas. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 062025	0.3	
230	CRYOGENIC AND VACUUM TECHNOLOGICAL ASPECTS OF THE LOW-ENERGY ELECTROSTATIC CRYOGENIC STORAGE RING. <i>AIP Conference Proceedings</i> , 2008 ,	0	4
229	Isotope shift in the dielectronic recombination of three-electron ANd57 ⁺ . <i>Physical Review Letters</i> , 2008 , 100, 073201	7.4	90
228	Chemical probing spectroscopy of H ₃ ⁺ above the barrier to linearity. <i>Journal of Chemical Physics</i> , 2008 , 129, 164312	3.9	35
227	Anisotropy and molecular rotation in resonant low-energy dissociative recombination. <i>Physical Review Letters</i> , 2008 , 100, 193201	7.4	10
226	Inelastic electron collisions of the isotopically symmetric helium dimer ion He ₂ ⁴⁺ in a storage ring. <i>Physical Review A</i> , 2008 , 77,	2.6	5
225	Screened radiative corrections from hyperfine-split dielectronic resonances in lithiumlike scandium. <i>Physical Review Letters</i> , 2008 , 100, 033001	7.4	73

224	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
223	Measurement of electric-dipole forbidden 3p and 3d level decay rates in Fe XII. <i>Journal of Physics: Conference Series</i> , 2008 , 130, 012018	0.3	6
222	Test of relativistic time dilation with fast optical atomic clocks at different velocities. <i>Nature Physics</i> , 2007 , 3, 861-864	16.2	94
221	Electron-impact dissociation and transient properties of a stored LiH_2^- beam. <i>European Physical Journal D</i> , 2007 , 41, 103-111	1.3	1
220	The negative ion of positronium: measurement of the decay rate and prospects for further experiments. <i>Canadian Journal of Physics</i> , 2007 , 85, 487-495	1.1	7
219	Dielectronic Recombination of Fe^{v} Forming Fe^{iv} : Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2007 , 664, 1244-1252	4.7	18
218	Photorecombination of berylliumlike Ti^{18+} : Hyperfine quenching of dielectronic resonances. <i>Journal of Physics: Conference Series</i> , 2007 , 58, 137-140	0.3	7
217	Three-body kinematical correlation in the dissociative recombination of CH_2^+ by three-dimensional imaging. <i>Physical Review A</i> , 2007 , 76,	2.6	12
216	Crossed beam photodissociation imaging of HeH^+ with vacuum ultraviolet free-electron laser pulses. <i>Physical Review Letters</i> , 2007 , 98, 223202	7.4	48
215	Storage-ring measurement of the hyperfine induced $47\text{Ti}^{18+}(2s2p\ 3P_0 \rightarrow 2s^2\ 1S_0)$ transition rate. <i>Physical Review Letters</i> , 2007 , 98, 033001	7.4	66
214	Electron-ion recombination of Si^{iv} forming Si^{iii} : Storage-ring measurement and multiconfiguration Dirac-Fock calculations. <i>Physical Review A</i> , 2007 , 76,	2.6	23
213	Electron-ion recombination measurements of Fe^{7+} , Fe^{8+} , Fe^{13+} motivated by active galactic nuclei x-ray absorption features. <i>Journal of Physics: Conference Series</i> , 2007 , 58, 223-226	0.3	2
212	Photorecombination studies of highly charged ions at the storage ring ESR: a progress report. <i>Journal of Physics: Conference Series</i> , 2007 , 58, 81-86	0.3	2
211	Electron collisions and rovibrational action spectroscopy of cold H_3^+ molecules. <i>Journal of Physics: Conference Series</i> , 2007 , 88, 012064	0.3	7
210	Photodissociation spectroscopy of stored CH^+ and CD^+ ions: analysis of the $b\ 3\Sigma^- - a\ 3\Pi$ system. <i>Journal of Chemical Physics</i> , 2007 , 127, 204304	3.9	8
209	Experimental test of special relativity by laser spectroscopy 2007 , 57-67		
208	Enhanced electron-ion recombination in ion storage rings 2007 , 223-228		
207	Progress in stored ion beam experiments on atomic and molecular processes 2007 , 111-124		

206	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
205	M1 transition rates in Co XI and Co XIII measured at a heavy-ion storage ring. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, 945-954	1.3	15
204	Cryogenic Concept for the Low-energy Electrostatic Cryogenic Storage Ring (CSR) at MPI-K in Heidelberg. <i>AIP Conference Proceedings</i> , 2006 ,	0	3
203	Classical dynamics of enhanced low-energy electron-ion recombination in storage rings. <i>Physical Review A</i> , 2006 , 74,	2.6	11
202	Cold Photocathode Electron Sources and Perspectives for Low-Energy Magnetically Guided Electron Beams. <i>AIP Conference Proceedings</i> , 2006 ,	0	1
201	Experimental Test of Time Dilation by Laser Spectroscopy on Fast Ion Beams 2006 , 479-492		2
200	The Heidelberg CSR: Stored Ion Beams in a Cryogenic Environment. <i>AIP Conference Proceedings</i> , 2006 ,	0	5
199	FLAIR Project at GSI. <i>AIP Conference Proceedings</i> , 2006 ,	0	4
198	Ultra-Cold Electron Beams for the Heidelberg TSR and CSR. <i>AIP Conference Proceedings</i> , 2006 ,	0	3
197	Low Energy Electron Cooling and Accelerator Physics for the Heidelberg CSR. <i>AIP Conference Proceedings</i> , 2006 ,	0	4
196	Action spectroscopy of H3+ and D2H+ using overtone excitation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006 , 364, 2931-40; discussion 2940-2	3	30
195	Effects of molecular rotation in low-energy electron collisions of H3+. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006 , 364, 2981-96; discussion 2996-7	3	23
194	Dielectronic Recombination of FexxiiiForming Fexxii: Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2006 , 642, 1275-1285	4.7	44
193	Experimental test of special relativity by laser spectroscopy. <i>Hyperfine Interactions</i> , 2006 , 171, 57-67	0.8	2
192	Enhanced electron-ion recombination in ion storage rings. <i>Hyperfine Interactions</i> , 2006 , 173, 67-72	0.8	2
191	Progress in stored ion beam experiments on atomic and molecular processes. <i>Hyperfine Interactions</i> , 2006 , 172, 111-124	0.8	23
190	High-resolution dissociative recombination of cold H3+and first evidence for nuclear spin effects. <i>Physical Review Letters</i> , 2005 , 95, 263201	7.4	100
189	Photocathodes as electron sources for high resolution merged beam experiments. <i>Journal of Physics: Conference Series</i> , 2005 , 4, 290-295	0.3	21

188	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
187	DR rate coefficient measurements using stored beams of H3+ and its isotopomers. <i>Journal of Physics: Conference Series</i> , 2005 , 4, 98-103	0.3	2
186	Towards state selective measurements of the H3+dissociative recombination rate coefficient. <i>Journal of Physics: Conference Series</i> , 2005 , 4, 126-133	0.3	6
185	Cold intense electron beams from LN2-cooled GaAs-photocathodes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 536, 323-328	1.2	4
184	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
183	Wake effects in the evolution of fast molecular ions through thin foils. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 230, 41-45	1.2	4
182	Hyperfine quenching of resonances in dielectronic recombination of zinc-like Pt48+. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 235, 265-269	1.2	11
181	N II Electric Quadrupole Transition Rate Measured at a Heavy-Ion Storage Ring. <i>Physica Scripta</i> , 2005 , 72, 35-37	2.6	4
180	EUV intercombination transition rates in Be-like nitrogen and oxygen ions measured at a heavy-ion storage ring. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005 , 38, 2395-2405	1.3	8
179	Electrostatic ion beam trap for electron collision studies. <i>Review of Scientific Instruments</i> , 2005 , 76, 013104	1.4	29
178	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
177	Dissociative recombination and low-energy inelastic electron collisions of the helium dimer ion. <i>Physical Review A</i> , 2005 , 72,	2.6	31
176	Test of time dilation by laser spectroscopy on fast ions. <i>Canadian Journal of Physics</i> , 2005 , 83, 425-434	1.1	3
175	Storage ring studies on dissociative recombination and internal excitation of helium dimer ions. <i>Journal of Physics: Conference Series</i> , 2005 , 4, 168-176	0.3	2
174	Sixth International Conference on Dissociative Recombination: Theory, Experiments and Applications. <i>Journal of Physics: Conference Series</i> , 2005 , 4,	0.3	8
173	Experimental Mg IX photorecombination rate coefficient. <i>Astronomy and Astrophysics</i> , 2004 , 421, 1185-1191	1.9	44
172	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
171	Dielectronic recombination resonances in Na8+. <i>Physical Review A</i> , 2004 , 70,	2.6	13

170	Coulomb-explosion imaging of CH ₂ ⁺ : Target-polarization effects and bond-angle distribution. <i>Physical Review A</i> , 2004 , 69,	2.6	17
169	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
168	Action spectroscopy and temperature diagnostics of H ⁺ 3 by chemical probing. <i>Journal of Chemical Physics</i> , 2004 , 121, 11030-7	3.9	53
167	Size-dependent electron-impact detachment of internally cold C _n ⁻ and Al _n ⁻ clusters. <i>Physical Review Letters</i> , 2004 , 93, 063402	7.4	15
166	Determination of the 2s ² p excitation energy of lithiumlike scandium using dielectronic recombination. <i>Physical Review A</i> , 2004 , 70,	2.6	31
165	Ground configuration level lifetimes in S-like Ni and Cu ions (Ni XIII and Cu XIV) measured at a heavy-ion storage ring. <i>European Physical Journal D</i> , 2004 , 30, 297-302	1.3	8
164	Cooling of molecular ion beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 532, 69-78	1.2	12
163	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}		61
162	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}		56
161	Electron cooling experiments at the heavy ion storage ring TSR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 532, 123-128	1.2	1
160	Rovibrational relaxation model for H ₃ ⁺ . <i>New Journal of Physics</i> , 2004 , 6, 151-151	2.9	27
159	Storage Ring Experiments with Cold Molecular Ions: the H ₃ ⁺ Puzzle. <i>Physica Scripta</i> , 2004 , 110, 193	2.6	5
158	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
157	Recombination Measurements at Ion Storage Rings. <i>Hyperfine Interactions</i> , 2003 , 146/147, 5-12	0.8	6
156	Cold Electrons from Cryogenic GaAs Photocathodes: Energetic and Angular Distributions. <i>Hyperfine Interactions</i> , 2003 , 146/147, 215-218	0.8	6
155	Toward a New Test of the Relativistic Time Dilation Factor by Laser Spectroscopy of Fast Ions in a Storage Ring. <i>Hyperfine Interactions</i> , 2003 , 146/147, 71-75	0.8	1
154	Molecular Physics in Storage Rings: From Laboratory to Space. <i>Hyperfine Interactions</i> , 2003 , 146/147, 265-268	0.8	4
153	Physics with molecular ions in storage rings. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 205, 360-366	1.2	7

152	Dielectronic recombination at low energies: Spectroscopy of doubly excited states in beryllium-like Na 7+ ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 205, 99-101	1.2	3
151	Trielectronic recombination in Be-like ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 205, 367-369	1.2	1
150	M1 transition rates from electron beam ion trap and heavy-ion storage ring. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 205, 83-86	1.2	1
149	Breakup dynamics in the dissociative recombination of H3+ and its isotopomers. <i>Radiation Physics and Chemistry</i> , 2003 , 68, 175-179	2.5	9
148	Dispersive electron cooling experiments at the heavy ion storage ring TSR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 512, 459-469	1.2	5
147	Improved test of time dilation in special relativity. <i>Physical Review Letters</i> , 2003 , 91, 190403	7.4	90
146	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
145	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
144	Heavy-ion storage-ring quest for atomic lifetimes in Li+ and Be2+. <i>Canadian Journal of Physics</i> , 2003 , 81, 941-952	1.1	6
143	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
142	Observation of trielectronic recombination in Be-like Cl ions. <i>Physical Review Letters</i> , 2003 , 91, 043001	7.4	54
141	Coulomb-Explosion Imaging Studies of Molecular Relaxation and Rearrangement. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2003 , 411-427	0.4	
140	Cold Electrons from Cryogenic GaAs Photocathodes: Energetic and Angular Distributions 2003 , 215-218		
139	Molecular Physics in Storage Rings: From Laboratory to Space 2003 , 265-268		
138	A Model for Calculating Branching Ratios in H3+ Dissociative Recombination 2003 , 235-242		
137	Breakup Dynamics in H3+ and D3+ Dissociative Recombination 2003 , 265-274		
136	Recombination Measurements at Ion Storage Rings 2003 , 5-12		
135	Fragment Imaging Studies of Dissociative Recombination. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2003 , 485-508	0.4	1

134	Multiparticle Imaging of Fast Molecular Ion Beams. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2003 , 59-70	0.4	1
133	Electron Induced Vibrational Deexcitation of the Molecular Ions H ₂ ⁺ and D ₂ ⁺ 2003 , 127-138		5
132	Measurement of EUV intercombination transition rates in Be-like ions at a heavy-ion storage ring. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 295, 44-49	2.3	10
131	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
130	Relaxation dynamics of deuterated formyl and isoformyl cations. <i>Journal of Chemical Physics</i> , 2002 , 116, 7000-7011	3.9	18
129	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
128	Breakup dynamics and the isotope effect in H ₃ ⁺ and D ₃ ⁺ dissociative recombination. <i>Physical Review A</i> , 2002 , 66,	2.6	55
127	Dielectronic recombination resonances in F ₆ ⁺ . <i>Physical Review A</i> , 2002 , 66,	2.6	53
126	Vibrational and rotational cooling of H ₃ ⁺ . <i>Physical Review A</i> , 2002 , 66,	2.6	56
125	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
124	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
123	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
122	Dielectronic Recombination of Fe ix Forming Fe xviii: Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2002 , 576, 1098-1107	4.7	40
121	Recombination of Bare Cl ¹⁷⁺ Ions in an Electron Cooler. <i>Physica Scripta</i> , 2001 , T92, 402-405	2.6	6
120	Storage Ring Measurement of the CIV Recombination Rate Coefficient. <i>Astrophysical Journal</i> , 2001 , 555, 1027-1037	4.7	91
119	Energy distributions of electrons emitted from GaAs(Cs, O). <i>Applied Physics Letters</i> , 2001 , 78, 2721-2723	3.4	60
118	Branching ratios in the dissociative recombination of polyatomic ions: The H ₃ ⁺ case. <i>Physical Review A</i> , 2001 , 65,	2.6	25
117	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

116	Rate coefficients and final states for the dissociative recombination of LiH+. <i>Physical Review Letters</i> , 2001 , 86, 4005-8	7.4	19
115	Lifetime of metastable Ne ²⁺ ions measured at a heavy-ion storage ring. <i>Canadian Journal of Physics</i> , 2001 , 79, 145-151	1.1	7
114	Dielectronic Recombination of Iron L-Shell Ions. <i>Physica Scripta</i> , 2001 , T92, 319-321	2.6	2
113	Longitudinal and transverse electron cooling experiments at the Heidelberg heavy ion storage ring TSR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 441, 110-115	1.2	7
112	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
111	Application of ultrathin diamond-like-carbon targets to Coulomb explosion imaging. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000 , 168, 268-275	1.2	16
110	Photodissociation spectroscopy of OH ⁺ molecular ions at the TSR storage ring 2000 , 127, 267-270		7
109	Spectroscopy using stimulated electron-ion recombination 2000 , 127, 203-210		1
108	Rate predictions for two photon spectroscopy of highly charged ions through laser induced recombination 2000 , 127, 211-214		
107	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
106	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
105	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
104	Influence of magnetic fields on electron-ion recombination at very low energies. <i>Physical Review Letters</i> , 2000 , 84, 4822-5	7.4	86
103	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
102	Electron-induced vibrational deexcitation of H ₂ ⁺ . <i>Physical Review A</i> , 2000 , 62,	2.6	38
101	Electric quadrupole and magnetic dipole transition probabilities within the ground configuration of F ⁺ . <i>Physical Review A</i> , 2000 , 61,	2.6	10
100	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
99	Precise intercombination transition rates in C ⁺ and N ²⁺ ions measured at a heavy-ion storage ring. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999 , 32, L491-L499	1.3	16

98	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
97	Experimental search for interference effects in the total e ⁻ Sc ³⁺ recombination rate. <i>Physical Review A</i> , 1999 , 59, 3092-3094	2.6	8
96	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
95	Threshold Effects and Ion-Pair Production in the Dissociative Recombination of HD ⁺ . <i>Physical Review Letters</i> , 1999 , 83, 4979-4982	7.4	6
94	Dissociative recombination of vibrationally excited HD ⁺ : State-selective experimental investigation. <i>Physical Review A</i> , 1999 , 60, 3769-3785	2.6	61
93	Ground state of CH ₂ ⁺ : Experimental aspects and theoretical implications. <i>Physical Review A</i> , 1999 , 59, 1865-1868	2.6	23
92	Dielectronic recombination of ground-state and metastable Li ⁺ ions. <i>Physical Review A</i> , 1999 , 60, R3350-R3353	2.6	32
91	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
90	Lifetime measurement of He ⁺ using an electrostatic ion trap. <i>Physical Review A</i> , 1999 , 59, 267-270	2.6	48
89	Heavy-Ion Storage Rings 1999 , 3-29		10
88	Recombination of F ₆ ⁺ with Free Electrons at Very Low Energies. <i>Physica Scripta</i> , 1999 , T80, 298	2.6	8
87	Photorecombination of Sc ³⁺ and Ti ⁴⁺ Ions: Search for Interference Effects and Recombination at low Energies. <i>Physica Scripta</i> , 1999 , T80, 314	2.6	2
86	Recombination Measurements of the Heaviest Ions. <i>Physica Scripta</i> , 1999 , T80, 318	2.6	2
85	Recombination of Sc ³⁺ ions with free electrons 1998 , 114, 273-276		4
84	Recent dielectronic recombination experiments 1998 , 114, 229-235		3
83	Dielectronic recombination of lithium-like gold: Towards QED tests 1998 , 114, 45-48		12
82	Field enhanced dielectronic recombination of Si ¹¹⁺ ions 1998 , 114, 251-256		
81	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

80	Dissociative recombination of HD ⁺ in selected vibrational quantum states. <i>Science</i> , 1998 , 281, 75-8	33.3	49
79	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
78	Laser-assisted dielectronic recombination in ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998 , 31, 3263-3280	1.3	1
77	Heavy-ion storage ring measurement of forbidden transition rates between ground-configuration levels in Si ⁶⁺ and Si ⁸⁺ ions. <i>Canadian Journal of Physics</i> , 1998 , 76, 899-906	1.1	13
76	Near-Threshold Photodissociation of Cold CH ⁺ in a Storage Ring. <i>Physical Review Letters</i> , 1998 , 80, 2809-2812	7.4	46
75	Measurement of the N ⁺ 2s2p3 5S2o level lifetime using a heavy-ion storage ring. <i>Physical Review A</i> , 1998 , 58, 4449-4452	2.6	28
74	Near-degeneracy effect on energy shifts in some highly charged few-electron Rydberg ions. <i>Physical Review A</i> , 1997 , 55, 3453-3457	2.6	1
73	Curve Crossing and Branching Ratios in the Dissociative Recombination of HD ⁺ . <i>Physical Review Letters</i> , 1997 , 79, 1829-1832	7.4	24
72	Precision Measurement of the Electric Dipole Intercombination Rate in C ²⁺ . <i>Physical Review Letters</i> , 1997 , 78, 4355-4358	7.4	90
71	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
70	Dielectronic Recombination in Photoionized Gas: The Importance of Fine-structure Core Excitations. <i>Astrophysical Journal</i> , 1997 , 489, L115-L118	4.7	62
69	Field Enhanced Dielectronic Recombination of Si ¹¹⁺ Ions. <i>Physical Review Letters</i> , 1997 , 79, 2233-2236	7.4	51
68	Production of antihydrogen by recombination of barp with e ⁺ : What can we learn from electron-ion collision studies? 1997 , 109, 233-267		44
67	Measurement of field effects on dielectronic recombination of Si ¹¹⁺ ions 1997 , 108, 177-183		3
66	Laser-induced electron-ion recombination used to study enhanced spontaneous recombination during electron cooling 1997 , 108, 273-281		8
65	Recombination measurements at low energies with Au ⁴⁹⁺ , ⁵⁰⁺ , ⁵¹⁺ at the TSR 1997 , 108, 149-154		29
64	Measurements of long atomic lifetimes at an ion storage ring. <i>Hyperfine Interactions</i> , 1996 , 99, 155-165	0.8	21
63	Recombination of electrons with highly charged heavy ions at very low energies. <i>Hyperfine Interactions</i> , 1996 , 99, 295-300	0.8	19

62	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
61	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
60	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
59	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
58	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
57	High-resolution measurement of the dielectronic recombination of fluorinelike selenium ions. <i>Physical Review A</i> , 1996 , 53, 1413-1423	2.6	114
56	Product-state distributions in the dissociative recombination of 3HeD ⁺ and 4HeH ⁺ . <i>Physical Review A</i> , 1996 , 54, R4617-R4620	2.6	32
55	Dissociative recombination of CH ⁺ : Cross section and final states. <i>Physical Review A</i> , 1996 , 54, 4032-4050	2.6	105
54	Efficient, Indirect Transverse Laser Cooling of a Fast Stored Ion Beam. <i>Physical Review Letters</i> , 1996 , 77, 623-626	7.4	40
53	Laser induced recombination to excited states of hydrogen-like ions. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1995 , 34, 185-194		8
52	Experimental determination of long atomic lifetimes of ions in a storage ring. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 98, 53-56	1.2	7
51	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
50	Laser induced two-step recombination for the study of Rydberg states in highly charged ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 98, 146-149	1.2	14
49	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
48	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
47	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
46	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
45	New resonances in the dissociative recombination of vibrationally cold CD ⁺ . <i>Physical Review Letters</i> , 1994 , 72, 2002-2005	7.4	31

44	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
43	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
42	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
41	Dissociative recombination of cold HD ⁺ at the Test Storage Ring. <i>Physical Review Letters</i> , 1993 , 70, 426-429	7.4	75
40	Dielectronic recombination from the ground state of heliumlike carbon ions. <i>Physical Review A</i> , 1993 , 47, 4859-4864	2.6	35
39	Electron-ion recombination in merged beams. <i>AIP Conference Proceedings</i> , 1993 ,	0	5
38	Molecular physics in a storage ring: dissociative recombination and excitation of cold HD ⁺ . <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 79, 273-275	1.2	14
37	Laser-stimulated formation and stabilization of antihydrogen atoms. <i>Hyperfine Interactions</i> , 1993 , 76, 189-201	0.8	38
36	High-resolution measurement of dielectronic recombination of lithiumlike Cu ²⁶⁺ . <i>Physical Review A</i> , 1992 , 46, 5730-5740	2.6	131
35	An induction accelerator for the Heidelberg test storage ring TSR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1992 , 314, 399-408	1.2	16
34	Laser spectroscopy with a cooler ring at the esr (GSI) and the TSR (MPI Heidelberg). <i>Hyperfine Interactions</i> , 1992 , 74, 277-285	0.8	1
33	Retardation (Casimir) energy shifts for Rydberg helium-like low-Z ions. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1992 , 23, 197-209		4
32	Laser-Stimulated Radiative Recombination. <i>NATO ASI Series Series B: Physics</i> , 1992 , 209-233		7
31	Laser spectroscopy and laser cooling of relativistic stored ion beams. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1991 , 56-57, 1124-1129	1.2	4
30	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
29	Observation of laser-induced recombination in merged electron and proton beams. <i>Physical Review Letters</i> , 1991 , 67, 22-25	7.4	103
28	Experiments with highly-charged ions in the storage ring TSR 1991 , 69-75		
27	Further results and evaluation of electron cooling experiments at LEAR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1990 , 287, 328-332	1.2	8

26	Dielectronic recombination of hydrogenlike oxygen in a heavy-ion storage ring. <i>Physical Review Letters</i> , 1990 , 64, 737-740	7.4	119
25	First laser cooling of relativistic ions in a storage ring. <i>Physical Review Letters</i> , 1990 , 64, 2901-2904	7.4	129
24	Positron accumulation and storage for antihydrogen production. <i>Hyperfine Interactions</i> , 1989 , 44, 201-206	4	4
23	Prospects for electron cooling of antiprotons at low energies. <i>Hyperfine Interactions</i> , 1989 , 44, 217-232	0.8	2
22	Antihydrogen production in a merged beam arrangement. <i>Hyperfine Interactions</i> , 1989 , 44, 257-270	0.8	1
21	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
20	First results of electron cooling experiments at LEAR. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1989 , 332, 171-188		3
19	X-ray measurements at the stand-alone electron cooler for LEAR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1989 , 276, 445-450	1.2	1
18	First direct observation of strong interaction spin-orbit effects in antiprotonic atoms. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1988 , 329, 235-241		2
17	Remeasurement of the magnetic moment of the antiproton. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1988 , 37, 557-561		50
16	Electron Cooling of Stored Ions. <i>Physica Scripta</i> , 1988 , T22, 55-64	2.6	9
15	The LEAR Electron Cooler: Recent Improvements and Tests. <i>Physica Scripta</i> , 1988 , T22, 277-281	2.6	7
14	The Karlsruhe Electron Collector Testbench. <i>Physica Scripta</i> , 1988 , T22, 303-306	2.6	
13	Thomson Scattering of Laser Light from a Relativistic Electron Beam. <i>Physica Scripta</i> , 1988 , T22, 296-299	2.6	2
12	Measurement of laser light thomson-scattered from a cooling electron beam. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1987 , 44, 87-92		6
11	Measurement of strong-interaction effects in light antiprotonic atoms. <i>Nuclear Physics A</i> , 1987 , 466, 667-684	1.3	10
10	Diagnostics of a Cooling Electron Beam by Thomson Scattering of Laser Light. <i>Springer Series in Optical Sciences</i> , 1987 , 413-414	0.5	1
9	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

8	An alternative concept for high-voltage systems used in electron cooling. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1986 , 248, 562-564	1.2	2
7	Measurement of the 4f strong interaction level width in light antiprotonic atoms. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1986 , 325, 261-265		4
6	The Electron Cooling Device for LEAR 1984 , 605-618		3
5	A new tuneable and pulsed vacuum-ultraviolet and X-ray line source. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983 , 94, 135-138	2.3	3
4	Laser-enhanced electron-ion capture and antihydrogen formation. <i>Zeitschrift für Physik A</i> , 1983 , 313, 253-262		108
3	Radiative decay and autoionization in the 4 D-states of the 3d 94s5s configuration in CuI. <i>Zeitschrift für Physik A</i> , 1981 , 300, 115-118		17
2	Cascade-fluorescence spectroscopy on impact-excited He-atoms using level-crossing techniques. <i>Zeitschrift für Physik A</i> , 1979 , 292, 319-327		11
1	Gas Phase Chemistry 109-228		