

Reinhold H Schuch

List of Publications by Year in Descending Order

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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.

330
papers

6,153
citations

42
h-index

63
g-index

362
ext. papers

6,472
ext. citations

2.5
avg, IF

4.8
L-index

#	Paper	IF	Citations
330	The stabilization of the transmission of low energy electrons through single glass tubes by the conductive shielding of the outer surface to the ground. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022 ,	0.6	
329	Angular Distribution of Characteristic Radiation Following the Excitation of He-Like Uranium in Relativistic Collisions. <i>Atoms</i> , 2021 , 9, 20	2.1	0
328	Ultra-fast Dynamics in Quantum Systems Revealed by Particle Motion as Clock 2021 , 353-373		
327	The role of the deposited charge in tailoring ion beams by nanocapillaries in mica. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2021 , 503, 62-67	1.2	
326	Calculations of Dielectronic Recombination and Electron-impact Excitation Rate Coefficients of Highly Charged Sulfur Ions. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 247, 22	8	1
325	Electron-impact recombination and excitation rates for charge-state-selected highly charged Si ions. <i>Physical Review A</i> , 2020 , 101,	2.6	3
324	Measuring the nonlinear optical properties of indium tin oxide thin film using femtosecond laser pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, A139	1.7	6
323	High-precision X-ray spectroscopy of Fe ions in an EBIT using a micro-calorimeter detector: First results. <i>X-Ray Spectrometry</i> , 2020 , 49, 184-187	0.9	0
322	Electron- and proton-impact excitation of heliumlike uranium in relativistic collisions. <i>Physical Review A</i> , 2019 , 99,	2.6	5
321	Experimental investigations of nonlinear optical properties of soda-lime glasses and theoretical study of self-compression of fs laser pulses. <i>Optics and Laser Technology</i> , 2019 , 116, 276-283	4.2	8
320	Design of an optical trap for storing femtosecond laser pulses. <i>Applied Optics</i> , 2018 , 57, 1212-1217	1.7	
319	Transmission profiles of ions through nano-capillaries of rectangular cross-section in mica. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017 , 406, 421-424	1.2	3
318	Transmission of highly charged ions through mica nanocapillaries of rectangular cross-section. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017 , 408, 61-66	1.2	2
317	Water fragmentation induced by ion impact: Fragment-ion-energy determination at different Z P /v regimes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017 , 408, 198-202	1.2	
316	Transmission of electrons through the conical glass capillary with the grounded conducting outer surface. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2017 , 66, 124101	0.6	2
315	Water fragmentation by bare and dressed light ions with MeV energies: Fragment-ion-energy and time-of-flight distributions. <i>Physical Review A</i> , 2016 , 94,	2.6	7
314	Guiding and scattering of ions in transmission through mica nanocapillaries. <i>Physical Review A</i> , 2016 , 94,	2.6	7

313	Dynamics of slow electrons transmitting through straight glass capillary and tapered glass capillary. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2016 , 65, 204103	0.6	2
312	Physics book: CRYRING@ESR. <i>European Physical Journal: Special Topics</i> , 2016 , 225, 797-882	2.3	67
311	A seeded dye laser cavity for intracavity experiments. <i>Laser Physics</i> , 2015 , 25, 095801	1.2	1
310	APPA at FAIR: From fundamental to applied research. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 365, 680-685	1.2	34
309	Imaging the photons during transmission of ions through glass capillaries. <i>Journal of Physics: Conference Series</i> , 2015 , 583, 012032	0.3	0
308	CDW and CDW-EIS calculations of simultaneous ionization in collisions between dressed projectiles and atomic targets. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 022091	0.3	
307	Water fragmentation by Liq+and Cq+projectiles with MeV energies. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 032056	0.3	
306	Electron loss in collisions of dressed projectiles with atoms and molecules. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 022089	0.3	
305	Electron- and proton-impact excitation of He-like uranium. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 022063	0.3	
304	A linear optical trap with active medium for experiments with high power laser pulses. <i>Review of Scientific Instruments</i> , 2015 , 86, 023113	1.7	1
303	Electron emission in collisions of dressed ions with He atoms. <i>Journal of Physics: Conference Series</i> , 2015 , 583, 012013	0.3	2
302	Evaporative cooling of hydrogen molecular ions in a Penning trap. <i>Hyperfine Interactions</i> , 2014 , 227, 191-196	1.96	
301	SPARC collaboration: new strategy for storage ring physics at FAIR. <i>Hyperfine Interactions</i> , 2014 , 227, 45-53	0.8	38
300	Transmission of highly charged ions through nanocapillaries of noncircular cross sections. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 012035	0.3	1
299	Electron emission from dressed projectiles in collision with atoms and molecules at intermediate energies. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 082014	0.3	2
298	Transmission of slow highly charged ions through rectangular nanocapillaries. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 132043	0.3	
297	Experimental recombination rate coefficients of B-like carbon and B-like neon. <i>Physica Scripta</i> , 2013 , T156, 014049	2.6	
296	RECOMBINATION RATE COEFFICIENTS OF BORON-LIKE Ne. <i>Astrophysical Journal</i> , 2013 , 771, 78	4.7	6

295	SPARC experiments at the high-energy storage ring. <i>Physica Scripta</i> , 2013 , T156, 014085	2.6	15
294	Experimental rate coefficients of F5+recombining into F4+. <i>Astronomy and Astrophysics</i> , 2013 , 557, A2	5.1	6
293	Transmission of Slow Highly Charged Ions Through Ultra-thin Carbon Nano-sheets. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2013 , 267-277	0.4	
292	Storage ring at HIE-ISOLDE. <i>European Physical Journal: Special Topics</i> , 2012 , 207, 1-117	2.3	84
291	ELECTRON-ION RECOMBINATION RATE COEFFICIENTS FOR C II FORMING C I. <i>Astrophysical Journal</i> , 2012 , 753, 132	4.7	6
290	Tailoring of keV-ion beams by image charge when transmitting through rhombic and rectangular shaped nanocapillaries. <i>Physical Review Letters</i> , 2012 , 108, 193202	7.4	29
289	Transmission of highly charged ions through mica nanocapillaries of rhombic cross section. <i>Physical Review A</i> , 2012 , 86,	2.6	9
288	RECOMBINATION AND ELECTRON IMPACT EXCITATION RATE COEFFICIENTS FOR S XV AND S XVI. <i>Astrophysical Journal</i> , 2012 , 754, 86	4.7	10
287	Electron-Ion Collision Studies with Highly Charged Sulfur Ions. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 062046	0.3	
286	Laser spectroscopy of Be-like Ar at the Stockholm EBIT. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 022049	0.3	
285	Electron-ion recombination of H- and He-like sulfur. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 225203	1.3	6
284	Laser spectroscopy of the (1s22s2p)3P0BP1 level splitting in Be-like krypton. <i>Physica Scripta</i> , 2011 , T144, 014013	2.6	5
283	A compact time-resolving pepperpot emittance meter for low-energy highly charged ions. <i>Physica Scripta</i> , 2011 , T144, 014062	2.6	
282	Effects of spin-forbidden resonances on the recombination of Be-like Si and Be-like Ne. <i>Physica Scripta</i> , 2011 , T144, 014035	2.6	0
281	Photo-recombination studies at R-EBIT with a Labview control and data acquisition system. <i>Journal of Instrumentation</i> , 2011 , 6, C01016-C01016	1	5
280	SMILETRAP II. <i>Hyperfine Interactions</i> , 2011 , 199, 141-150	0.8	2
279	SPARC: The Stored Particle Atomic Research Collaboration At FAIR 2011 ,		22
278	Effects of polarization on laser-induced electron-ion recombination. <i>Physical Review A</i> , 2011 , 83,	2.6	9

277	Evaporative cooling and coherent axial oscillations of highly charged ions in a penning trap. <i>Physical Review Letters</i> , 2011 , 106, 013002	7.4	28
276	SMILETRAP 2011 , 141-150		
275	The new Stockholm Electron Beam Ion Trap (S-EBIT). <i>Journal of Instrumentation</i> , 2010 , 5, C12018-C12018		7
274	Angular scattering in fast ion-atom electron transfer collisions: projectile wave diffraction and Thomas mechanisms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010 , 43, 185209	1.3	19
273	Optimization of the Stockholm R-EBIT for production and extraction of highly charged ions. <i>Journal of Instrumentation</i> , 2010 , 5, C11003-C11003	1	5
272	RECOMBINATION RATE COEFFICIENTS OF Be-LIKE Si. <i>Astrophysical Journal</i> , 2010 , 721, 1603-1607	4.7	21
271	MATS and LaSpec: High-precision experiments using ion traps and lasers at FAIR. <i>European Physical Journal: Special Topics</i> , 2010 , 183, 1-123	2.3	71
270	Dynamics of guiding highly charged ions through SiO ₂ nanocapillaries. <i>Physical Review A</i> , 2010 , 82,	2.6	37
269	Improved temperature regulation of Penning trap mass spectrometers. <i>International Journal of Mass Spectrometry</i> , 2010 , 294, 28-32	1.9	5
268	Two-center double-capture interference in fast He ²⁺ + H ₂ collisions. <i>Physical Review Letters</i> , 2009 , 102, 153201	7.4	30
267	X-ray spectroscopy of highly-charged heavy ions at FAIR. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009 , 267, 248-250	1.2	26
266	Two-photon coincidence studies of highly-charged ion relaxation in solids. <i>European Physical Journal D</i> , 2009 , 54, 623-628	1.3	1
265	Guiding of slow Ne ⁷⁺ -ions through insulating nano-capillaries of various geometrical cross-sections. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 132030	0.3	2
264	Re-trapping and cooling of highly-charged ions. <i>Journal of Physics: Conference Series</i> , 2009 , 163, 012109	0.3	1
263	Field-induced enhancements of dielectronic recombination in Na-like S and Ar. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 062026	0.3	
262	DIELECTRONIC RECOMBINATION OF Na-LIKE S AND Na-LIKE Ar IN THE PRESENCE OF EXTERNAL FIELDS. <i>Astrophysical Journal</i> , 2009 , 694, 354-358	4.7	4
261	Experimental dielectronic recombination rate coefficients for Na-like S VI and Na-like Ar VIII. <i>Astronomy and Astrophysics</i> , 2009 , 498, 909-914	5.1	6
260	Evidence of sequentially formed charge patches guiding ions through nanocapillaries. <i>Physical Review Letters</i> , 2008 , 101, 223202	7.4	104

259	Determination of the proton mass from a measurement of the cyclotron frequencies of D ⁺ and H ₂ ⁺ in a Penning trap. <i>Physical Review A</i> , 2008 , 78,	2.6	22
258	Chapter 7 HITRAP: A Facility at GSI for Highly Charged Ions. <i>Advances in Quantum Chemistry</i> , 2008 , 53, 83-98	1.4	100
257	Guiding of highly charged ions through insulating nanocapillaries. <i>Canadian Journal of Physics</i> , 2008 , 86, 327-330	1.1	7
256	Evidence of wave-particle duality for single fast hydrogen atoms. <i>Physical Review Letters</i> , 2008 , 101, 083201	7.4	31
255	Chapter 6 Precise Atomic Masses for Fundamental Physics Determined at SMILETRAP. <i>Advances in Quantum Chemistry</i> , 2008 , 67-81	1.4	5
254	Highly-charged ions and high-resolution mass spectrometry in a Penning trap. <i>Lecture Notes in Physics</i> , 2008 , 1-36	0.8	2
253	Recombination rate coefficients of Be-like neon. <i>Astronomy and Astrophysics</i> , 2008 , 489, 829-835	5.1	10
252	Guiding of highly charged ions through Al ₂ O ₃ nano-capillaries. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007 , 258, 145-149	1.2	68
251	Electromagnetically confined plasma target for interaction studies with intense laser fields. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007 , 261, 239-243	1.2	2
250	Atomic physics with highly-charged ions at the future FAIR facility: A status report. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007 , 261, 234-238	1.2	24
249	Two-center interference in p ^q He ⁺ electron-transfer collisions. <i>Journal of Physics: Conference Series</i> , 2007 , 88, 012021	0.3	6
248	Spectroscopic study of doubly excited states in Mg-like Si using dielectronic recombination. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007 , 40, 1063-1080	1.3	15
247	Relaxation of slow highly charged ions hitting thin metallic foils. <i>Physical Review A</i> , 2007 , 75,	2.6	6
246	Multielectron processes in close collisions of slow Ne ^{q+} (q=1-9) ions with Ar atoms. <i>Physical Review A</i> , 2007 , 75,	2.6	2
245	A new method for detecting the contribution of high Rydberg states to electron-ion recombination. <i>Journal of Physics: Conference Series</i> , 2007 , 58, 299-302	0.3	1
244	High-precision mass measurements for fundamental applications using highly-charged ions with SMILETRAP. <i>Journal of Physics: Conference Series</i> , 2007 , 58, 109-112	0.3	2
243	Atomic physics with ions stored in the round. <i>Journal of Physics: Conference Series</i> , 2007 , 88, 012002	0.3	28
242	High-frequency Ramsey excitation in a Penning trap. <i>Journal of Instrumentation</i> , 2007 , 2, P06003-P06003		15

241	First results from the Stockholm Electron Beam Ion Trap. <i>Journal of Physics: Conference Series</i> , 2007 , 58, 303-306	0.3	28
240	Q value related mass determinations using a Penning trap 2007 , 229-239		
239	Precise measurements of ionic masses for QED tests. <i>International Journal of Mass Spectrometry</i> , 2006 , 251, 281-285	1.9	14
238	On the Q -value of the tritium β decay. <i>Europhysics Letters</i> , 2006 , 74, 404-410	1.6	57
237	Experimental separation of the Thomas charge-transfer process in high-velocity pHe collisions. <i>Physical Review A</i> , 2006 , 73,	2.6	31
236	New mass value for ^7Li . <i>Physical Review Letters</i> , 2006 , 96, 163004	7.4	41
235	Guiding of highly charged ions by highly ordered SiO ₂ nanocapillaries. <i>Physical Review A</i> , 2006 , 73,	2.6	114
234	Determination of the recombination rate coefficients for Na-like Si IV forming Mg-like Si III. <i>Astronomy and Astrophysics</i> , 2006 , 459, 291-296	5.1	12
233	Precision mass measurements of $^{40}\text{Ca}^{17+}$ and $^{40}\text{Ca}^{19+}$ ions in a Penning trap. <i>European Physical Journal D</i> , 2006 , 39, 1-4	1.3	17
232	Q value related mass determinations using a Penning trap. <i>Hyperfine Interactions</i> , 2006 , 173, 73-83	0.8	4
231	Fabrication of silicon dioxide nanocapillary arrays for guiding highly charged ions. <i>Nanotechnology</i> , 2005 , 16, 1697-1700	3.4	32
230	Many-particle fragmentation processes in atomic and molecular physics [New insight into the world of correlation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 233, 3-11	1.2	4
229	Atomic physics with highly-charged heavy ions at the GSI future facility: The scientific program of the SPARC collaboration. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 233, 28-30	1.2	8
228	Transfer ionization in p+He collisions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 233, 43-47	1.2	5
227	Guiding of slow highly charged ions by nanocapillaries in PET. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 233, 218-221	1.2	68
226	Multi-electron processes in large-angle scattering between slow Ne ^{q+} (q=1, 2 and 3) and Ar. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 235, 347-351	1.2	1
225	Atomic physics with highly-charged heavy ions at the GSI future facility: The scientific program of the SPARC collaboration. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 235, 494-497	1.2	8
224	Challenges and opportunities for atomic physics at FAIR: The new GSI accelerator project. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 241, 5-8	1.2	0

223	Experimental N V and Ne VIII low-temperature dielectronic recombination rate coefficients. <i>Astronomy and Astrophysics</i> , 2005 , 437, 1151-1157	5.1	7
222	Two-center interference in fast proton β 2-electron transfer and excitation processes. <i>Physical Review A</i> , 2005 , 72,	2.6	29
221	Influence of long-lived metastable levels on the electron-impact single ionization of C2+. <i>Physical Review A</i> , 2005 , 71,	2.6	20
220	Dielectronic resonance method for measuring isotope shifts. <i>Physical Review Letters</i> , 2005 , 95, 183003	7.4	43
219	Recoil-ion momentum distributions for transfer ionization in fast proton-He collisions. <i>Physical Review A</i> , 2005 , 72,	2.6	23
218	Electron-ion recombination of Be-like C, N, and O. <i>Astronomy and Astrophysics</i> , 2005 , 442, 757-766	5.1	39
217	Multiple electron capture and photon emission of slow highly charged Taq+ ions in collisions with He and Xe. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, 3239-3258	1.3	4
216	Report on the XXIII International Conference on Photonic, Electronic and Atomic Collisions. <i>Physica Scripta</i> , 2004 , 70, C26-C29	2.6	
215	Active optical storage ring for high-power laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2004 , 79, 817-821	1.9	6
214	Atomic physics experiments with cooled stored ions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 532, 56-68	1.2	1
213	Contributions to Fundamental Physics and Constants Using Penning Traps. <i>Springer Proceedings in Physics</i> , 2004 , 397-418	0.2	
212	Spectroscopic study of Mg-like Ni by means of dielectronic recombination of stored ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003 , 36, 2563-2577	1.3	20
211	Revealing the non- s 2 contributions in the momentum wave function of ground-state He. <i>Europhysics Letters</i> , 2003 , 62, 477-483	1.6	25
210	Determination of the \$ion{Ni}{xviii}\$ plasma recombination rate coefficient. <i>Astronomy and Astrophysics</i> , 2003 , 409, 781-786	5.1	15
209	High-precision mass measurements of hydrogen-like 24Mg11+ and 26Mg11+ ions in a Penning trap. <i>European Physical Journal D</i> , 2003 , 22, 41-45	1.3	22
208	Enhancement of Dielectronic Recombination by External Electromagnetic Fields. <i>Hyperfine Interactions</i> , 2003 , 146/147, 23-27	0.8	
207	Inelastic energy loss in large angle scattering of Ar9+ ions from Au(111) crystal. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 203, 96-103	1.2	3
206	Measurement of the field-induced dielectronic recombination rate enhancement of N 4+ ions differential in the Rydberg quantum number n. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 205, 370-373	1.2	2

205	Shedding light on the mercury mass discrepancy by weighing Hg ⁵²⁺ ions in a Penning trap. <i>Nuclear Physics A</i> , 2003 , 723, 3-12	1.3	15
204	High resolution studies of electron- α recombination. <i>Radiation Physics and Chemistry</i> , 2003 , 68, 51-56	2.5	1
203	Back to the line of stability 2003 , 423-427		
202	Enhancement of Dielectronic Recombination by External Electromagnetic Fields 2003 , 23-27		
201	Recombination of Cooled Highly Charged Ions with Low-Energy Electrons 2003 , 231-268		8
200	Experimental O VI dielectronic recombination rate coefficient and its enhancement by external electric fields. <i>Astronomy and Astrophysics</i> , 2003 , 405, 1157-1162	5.1	8
199	Experimental investigation of the asymptotic momentum wave function of the He ground state. <i>AIP Conference Proceedings</i> , 2002 ,	0	4
198	SMILETRAP – Penning trap facility for precision mass measurements using highly charged ions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 487, 618-651	1.2	107
197	Development of an electro-optical device for storage of high power laser pulses. <i>Optics Communications</i> , 2002 , 214, 291-295	2	15
196	Back to the line of stability. <i>European Physical Journal A</i> , 2002 , 15, 249-253	2.5	5
195	Double-to-single target ionization ratio for electron capture in fast p-He collisions. <i>Physical Review Letters</i> , 2002 , 89, 163201	7.4	33
194	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
193	Dielectronic recombination of lithiumlike beryllium: A theoretical and experimental investigation. <i>Physical Review A</i> , 2002 , 66,	2.6	21
192	Dielectronic recombination resonances in F ⁶⁺ . <i>Physical Review A</i> , 2002 , 66,	2.6	53
191	QED effects in lithiumlike krypton. <i>Physical Review A</i> , 2002 , 65,	2.6	22
190	On the Masses of ²⁸ Si and the Proton Determined in a Penning Trap. <i>Physica Scripta</i> , 2002 , 66, 201-207	2.6	13
189	Present status of the Stockholm electron beam ion source and its scientific program. <i>AIP Conference Proceedings</i> , 2001 ,	0	3
188	A new determination of the ⁴ He and ³ He masses in a Penning trap. <i>European Physical Journal D</i> , 2001 , 15, 141-143	1.3	19

187	Accurate Calculations on Dielectronic Recombination Resonances in Cu-like Pb. <i>Hyperfine Interactions</i> , 2001 , 132, 383-389	0.8	1
186	Recent Progress with the SMILETRAP Penning Mass Spectrometer. <i>Hyperfine Interactions</i> , 2001 , 132, 229-242	0.8	6
185	Influence of electromagnetic fields on the dielectronic recombination of Ne7+ ions. <i>Physical Review A</i> , 2001 , 64,	2.6	13
184	Dielectronic recombination of N4+. <i>Physical Review A</i> , 2001 , 64,	2.6	18
183	QED effects in Cu-like Pb recombination resonances near threshold. <i>Physical Review Letters</i> , 2001 , 86, 5027-30	7.4	64
182	Dielectronic Recombination Resonances in Kr33+. <i>Physica Scripta</i> , 2001 , T92, 357-361	2.6	4
181	Influence of Electromagnetic Fields on the Dielectronic Recombination of Ne7+ and O5+ Ions. <i>Physica Scripta</i> , 2001 , T92, 395-397	2.6	2
180	Recent Progress with the SMILETRAP Penning Mass Spectrometer 2001 , 231-244		
179	Accurate Calculations on Dielectronic Recombination Resonances in Cu-like Pb 2001 , 385-391		
178	Energy dependence of neutralization in scattering of slow highly charged Ar ions from an Au surface. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000 , 164-165, 511-516	1.2	4
177	Magnetic field dependence in electron-neutron recombination at very low relative energy 2000 , 127, 251-255		2
176	Enhanced dielectronic recombination of lithium-like Ti19+ions in external EBfields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000 , 33, L453-L460	1.3	17
175	Unexpected x-ray emission due to formation of bound doubly excited states. <i>Physical Review Letters</i> , 2000 , 85, 5559-62	7.4	8
174	Trajectory effects in multiply charged ion-surface interactions 1999 ,		2
173	Recombination of cooled highly charged ions with low-energy electrons. <i>International Journal of Mass Spectrometry</i> , 1999 , 192, 225-243	1.9	4
172	Dielectronic recombination of Li-like fluorine ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999 , 154, 97-101	1.2	8
171	Angular dependence of energy loss in scattering of slow highly charged Ar ions from a Au surface. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999 , 157, 309-315	1.2	8
170	Plasma Effects in Three-body Recombination of High-Z Bare Ions with Electrons. <i>Physica Scripta</i> , 1999 , T80, 307	2.6	4

169	Neutralization Rates of Slow Highly Charged Ar Ions in Single and Double Scattering from a Au(111) Surface. <i>Physica Scripta</i> , 1999 , T80, 228	2.6	3
168	Recent dielectronic recombination experiments 1998 , 114, 229-235		3
167	A first study of dielectronic recombination with the super-expanded electron beam in CRYRING 1998 , 115, 123-127		3
166	Recombination experiments at CRYRING 1998 , 114, 237-243		3
165	Field enhanced dielectronic recombination of Si ¹¹⁺ ions 1998 , 114, 251-256		
164	Large angle scattering of slow highly charged Ar ions interacting with a Au(111) surface. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1998 , 135, 336-341	1.2	15
163	Low-energy recombination of. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998 , 31, 3729-3742		22
162	A Feasibility Study of 3-D Ordering of Ion Beams in a Storage Ring. <i>Physica Scripta</i> , 1998 , 57, 36-44	2.6	
161	Strong Relativistic Effects and Natural Linewidths Observed in Dielectronic Recombination of Lithiumlike Carbon. <i>Physical Review Letters</i> , 1998 , 81, 313-316	7.4	73
160	Energy loss in large-angle scattering of slow, highly charged Ar ions from a Au surface. <i>Physical Review A</i> , 1998 , 58, 2962-2969	2.6	18
159	Recombination studies of highly charged ions in the cooler ring CRYRING. <i>Physica Scripta</i> , 1997 , T73, 114-118	2.6	6
158	Spectroscopic study of lithiumlike carbon by dielectronic recombination of a stored ion beam. <i>Physical Review A</i> , 1997 , 55, 1810-1819	2.6	32
157	Measurements of positrons from pair production in Coulomb collisions of 33-TeV lead ions with fixed targets. <i>Physical Review A</i> , 1997 , 56, 3682-3686	2.6	30
156	Accurate determination of dielectronic recombination resonances with lithiumlike argon. <i>Physical Review A</i> , 1997 , 56, 386-394	2.6	48
155	Energy and charge dependence of the rate of electron - ion recombination in cold magnetized plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997 , 30, L499-L506	1.3	49
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148	Atomic collisions at ultrarelativistic energies: 6.4 TeV S and 33.2 TeV Pb. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997 , 124, 169-176	1.2	
147	Novel apparatus and methods for performing remotely controlled particle-solid interaction experiments at CERN. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997 , 124, 128-139	1.2	3
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145	Using an OPO laser system for recombination studies in a storage ring: LIR to n=3 states of deuterium 1997 , 108, 283-289		3
144	A design study for an internal gas-jet target for the heavy-ion storage ring CRYRING 1997 , 108, 339-354		24
143	Measurement of field effects on dielectronic recombination of Si ¹¹⁺ ions 1997 , 108, 177-183		3
142	Formation of D ⁻ by double radiative recombination of D ⁺ 1997 , 108, 195-203		1
141	Recombination measurements at low energies with Au ^{49+,50+,51+} at the TSR 1997 , 108, 149-154		29
140	Interaction of slow multicharged ions with solid surfaces. <i>Surface Science Reports</i> , 1997 , 27, 113-239	12.9	335
139	A design study for an internal gas-jet target for the heavy-ion storage ring CRYRING 1997 , 108, 339		1
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