

Reinhold H Schuch

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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	Interaction of slow multicharged ions with solid surfaces. <i>Surface Science Reports</i> , 1997 , 27, 113-239	12.9	335
329	Dielectronic recombination of hydrogenlike oxygen in a heavy-ion storage ring. <i>Physical Review Letters</i> , 1990 , 64, 737-740	7.4	119
328	Guiding of highly charged ions by highly ordered SiO ₂ nanocapillaries. <i>Physical Review A</i> , 2006 , 73,	2.6	114
327	SMILETRAP ² 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
326	Evidence of sequentially formed charge patches guiding ions through nanocapillaries. <i>Physical Review Letters</i> , 2008 , 101, 223202	7.4	104
325	Image acceleration of highly charged xenon ions in front of a metal surface. <i>Physical Review Letters</i> , 1993 , 71, 1939-1942	7.4	104
324	Observation of laser-induced recombination in merged electron and proton beams. <i>Physical Review Letters</i> , 1991 , 67, 22-25	7.4	103
323	Experimental test of higher-order electron-capture processes in collisions of fast protons with atomic hydrogen. <i>Physical Review Letters</i> , 1986 , 57, 2256-2259	7.4	101
322	Chapter 7 HITRAP: A Facility at GSI for Highly Charged Ions. <i>Advances in Quantum Chemistry</i> , 2008 , 53, 83-98	1.4	100
321	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
320	A position sensitive parallel plate avalanche detector for heavy-ion X-ray coincidence measurements. <i>Nuclear Instruments & Methods</i> , 1977 , 141, 115-118		89
319	Storage ring at HIE-ISOLDE. <i>European Physical Journal: Special Topics</i> , 2012 , 207, 1-117	2.3	84
318	Ion-collision experiments with slow, very highly charged ions extracted from an electron-beam ion trap. <i>Physical Review A</i> , 1990 , 42, 3889-3895	2.6	84
317	Total cross sections for electron capture and transfer ionization by highly stripped, slow Ne, Ar, Kr, and Xe projectiles on helium. <i>Physical Review A</i> , 1984 , 29, 1088-1095	2.6	76
316	Experimental Confirmation of a Scaling Law for the 1s ⁿ Excitation Probability for Z ₁ +Z ₂ +120, and its Breakdown in Pb+Cm Collisions at Very Small Internuclear Distances. <i>Physical Review Letters</i> , 1980 , 44, 983-986	7.4	76
315	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
314	Observation of enhanced electron-ion recombination rates at very low energies. <i>Physical Review Letters</i> , 1995 , 75, 4381-4384	7.4	73

313	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
312	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
311	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
310	Physics book: CRYRING@ESR. <i>European Physical Journal: Special Topics</i> , 2016 , 225, 797-882	2.3	67
309	QED effects in Cu-like Pb recombination resonances near threshold. <i>Physical Review Letters</i> , 2001 , 86, 5027-30	7.4	64
308	Dielectronic recombination of boronlike argon. <i>Physical Review A</i> , 1996 , 53, 2327-2336	2.6	63
307	L X-ray anisotropy and L ₃ -subshell alignment of heavy atoms induced by ion impact. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1983 , 16, 1417-1431		61
306	Observation of electron-electron scattering in electron capture by fast protons from He. <i>Physical Review Letters</i> , 1989 , 63, 2464-2467	7.4	59
305	Coincidence studies of capture and ionization in highly charged Iq ⁺ -He and Uq ⁺ -He collisions at medium velocities. <i>Physical Review A</i> , 1990 , 41, 3559-3571	2.6	58
304	Charge- and angle-correlated inelasticities in collisions of bare fast carbon ions with neon. <i>Physical Review Letters</i> , 1988 , 60, 925-928	7.4	58
303	On the Q-value of the tritium β-decay. <i>Europhysics Letters</i> , 2006 , 74, 404-410	1.6	57
302	Dielectronic recombination resonances in F ₆ ⁺ . <i>Physical Review A</i> , 2002 , 66,	2.6	53
301	Field Enhanced Dielectronic Recombination of Si ¹¹⁺ Ions. <i>Physical Review Letters</i> , 1997 , 79, 2233-2236	7.4	51
300	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
299	The quasimolecular 1sσ orbital in collision systems (Z ₁ +Z ₂) ²⁺ , its excitation and spectroscopy. <i>Zeitschrift für Physik A</i> , 1980 , 296, 11-21		50
298	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
297	Accurate determination of dielectronic recombination resonances with lithiumlike argon. <i>Physical Review A</i> , 1997 , 56, 386-394	2.6	48
296	Separated resonances in simultaneous capture and excitation of S ¹⁵⁺ in H ₂ observed by K-x-ray-K-x-ray coincidences. <i>Physical Review Letters</i> , 1987 , 58, 1734-1737	7.4	47

295	Measurement of the total cross sections for electron capture of 2.0-7.5 MeV H ⁺ in H, H ₂ and He. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987 , 20, 2825-2834		45
294	Absolute dielectronic recombination cross sections of hydrogenlike helium. <i>Physical Review A</i> , 1994 , 50, 1257-1264	2.6	44
293	Radiative recombination of bare ions with low-energy free electrons. <i>Physical Review A</i> , 1992 , 45, 7894-7905		44
292	Dielectronic resonance method for measuring isotope shifts. <i>Physical Review Letters</i> , 2005 , 95, 183003	7.4	43
291	L-subshell ionisation of Au by light-ion impact. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1983 , 16, 4405-4417		43
290	Application of decelerated bare nuclei to precision spectroscopy of one-electron ions. <i>Physical Review A</i> , 1985 , 32, 1911-1913	2.6	43
289	Spectroscopy of highly doubly-excited states of helium through dielectronic recombination. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995 , 28, L147-L153	1.3	42
288	Xe L and M x-ray emission following Xe ⁴⁴⁻⁴⁸⁺ ion impact on Cu surfaces. <i>Physical Review A</i> , 1993 , 47, 3983-3997	2.6	42
287	Experimental K-vacancy production probabilities of nearly symmetric heavy-ion collision systems in comparison with the 2p _{3/2} rotational-coupling model. <i>Physical Review A</i> , 1980 , 22, 1447-1451	2.6	42
286	Quasiresonant charge transfer in inner-shell excitation: Impact-parameter dependence of K-vacancy creation in Fq ⁺ +Ne collisions. <i>Physical Review A</i> , 1982 , 25, 1918-1929	2.6	42
285	New mass value for ⁷ Li. <i>Physical Review Letters</i> , 2006 , 96, 163004	7.4	41
284	Evidence for internal dielectronic excitation of slow highly charged uranium ions. <i>Physical Review Letters</i> , 1993 , 70, 1073-1076	7.4	41
283	Electron-ion recombination of Be-like C, N, and O. <i>Astronomy and Astrophysics</i> , 2005 , 442, 757-766	5.1	39
282	SPARC collaboration: new strategy for storage ring physics at FAIR. <i>Hyperfine Interactions</i> , 2014 , 227, 45-53	0.8	38
281	Electron-positron pair production in Coulomb collisions of ultrarelativistic sulfur ions with fixed targets. <i>Physical Review Letters</i> , 1992 , 69, 1911-1914	7.4	38
280	Dynamics of guiding highly charged ions through SiO ₂ nanocapillaries. <i>Physical Review A</i> , 2010 , 82,	2.6	37
279	Double electron capture of He ²⁺ from He at high velocity. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1991 , 24, L133-L138	1.3	37
278	Interference Effects in the Quasimolecular K X-Ray Production Probability for 10-MeV Cl ¹⁶⁺ -Ar Collisions. <i>Physical Review Letters</i> , 1983 , 50, 30-33	7.4	37

277	Dielectronic recombination from the ground state of heliumlike carbon ions. <i>Physical Review A</i> , 1993 , 47, 4859-4864	2.6	35
276	APPA at FAIR: From fundamental to applied research. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 365, 680-685	1.2	34
275	Direct determination of the mass of ^{28}Si as a contribution to a new definition of the kilogram. <i>Physica Scripta</i> , 1993 , 48, 399-404	2.6	34
274	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
273	The contribution of K-electron capture for the production of highly charged Ne recoil ions by 156 MeV bromine impact. <i>Zeitschrift für Physik A</i> , 1984 , 317, 9-14		33
272	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
271	Fabrication of silicon dioxide nanocapillary arrays for guiding highly charged ions. <i>Nanotechnology</i> , 2005 , 16, 1697-1700	3.4	32
270	Electron-positron pair production in Coulomb collisions by 6.4-TeV sulfur ions. <i>Physical Review A</i> , 1994 , 50, 2313-2321	2.6	32
269	Resonant transfer and excitation in Li-like F colliding with H ₂ . <i>Physical Review A</i> , 1988 , 38, 5454-5457	2.6	32
268	Evidence of wave-particle duality for single fast hydrogen atoms. <i>Physical Review Letters</i> , 2008 , 101, 083201	7.4	31
267	Experimental separation of the Thomas charge-transfer process in high-velocity p-He collisions. <i>Physical Review A</i> , 2006 , 73,	2.6	31
266	Two-center double-capture interference in fast He ²⁺ + H ₂ collisions. <i>Physical Review Letters</i> , 2009 , 102, 153201	7.4	30
265	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
264	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
263	Recombination measurements at low energies with Au ⁴⁹⁺ , ⁵⁰⁺ , ⁵¹⁺ at the TSR 1997 , 108, 149-154		29
262	Two-center interference in fast proton H ₂ -electron transfer and excitation processes. <i>Physical Review A</i> , 2005 , 72,	2.6	29
261	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
260	Atomic physics with ions stored in the round. <i>Journal of Physics: Conference Series</i> , 2007 , 88, 012002	0.3	28

259	First results from the Stockholm Electron Beam Ion Trap. <i>Journal of Physics: Conference Series</i> , 2007 , 58, 303-306	0.3	28
258	Density dependence of recombination in the electron cooler of CRYRING. <i>Hyperfine Interactions</i> , 1996 , 99, 301-308	0.8	27
257	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
256	Recombination of D ⁺ and He ⁺ ions with low-energy free electrons. <i>Physical Review A</i> , 1995 , 51, 1340-1346	1.6	26
255	Revealing the non- <i>s</i> ² contributions in the momentum wave function of ground-state He. <i>Europhysics Letters</i> , 2003 , 62, 477-483	1.6	25
254	Angular Correlations between Characteristic L X Rays and Scattered α Particles. <i>Physical Review Letters</i> , 1984 , 52, 188-191	7.4	25
253	A design study for an internal gas-jet target for the heavy-ion storage ring CRYRING 1997 , 108, 339-354		24
252	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
251	Recoil-ion momentum distributions for transfer ionization in fast proton-He collisions. <i>Physical Review A</i> , 2005 , 72,	2.6	23
250	X-ray spectroscopy of Cl-Ar quasi-molecular orbitals from 1 <i>s</i> σ^2 <i>p</i> π transitions. <i>Zeitschrift für Physik A</i> , 1985 , 320, 185-189		23
249	Analysis of time-spectra from coincidence measurements with high stop-rates. <i>Nuclear Instruments & Methods in Physics Research</i> , 1982 , 197, 391-396		23
248	SPARC: The Stored Particle Atomic Research Collaboration At FAIR 2011 ,		22
247	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
246	High-precision mass measurements of hydrogen-like ²⁴ Mg ¹¹⁺ and ²⁶ Mg ¹¹⁺ ions in a Penning trap. <i>European Physical Journal D</i> , 2003 , 22, 41-45	1.3	22
245	QED effects in lithiumlike krypton. <i>Physical Review A</i> , 2002 , 65,	2.6	22
244	Low-energy recombination of. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998 , 31, 3729-3742		22
243	Quasimolecular x-ray spectroscopy for slow Cl ¹⁶⁺ -Ar collisions. <i>Physical Review A</i> , 1988 , 37, 3313-3325	2.6	22
242	Impact-Parameter Dependence of Noncharacteristic Radiation Emitted in 35-MeV Cl-Cl Collisions. <i>Physical Review Letters</i> , 1976 , 36, 1451-1454	7.4	22

241	Production and Sharing of Double K Vacancies Observed by X-Ray-X-Ray Coincidences. <i>Physical Review Letters</i> , 1978 , 40, 1330-1333	7.4	22
240	Experimental Evidence for Interference Effect in K-Shell- Vacancy Sharing. <i>Physical Review Letters</i> , 1979 , 43, 1104-1106	7.4	22
239	RECOMBINATION RATE COEFFICIENTS OF Be-LIKE Si. <i>Astrophysical Journal</i> , 2010 , 721, 1603-1607	4.7	21
238	Dielectronic recombination of lithiumlike beryllium: A theoretical and experimental investigation. <i>Physical Review A</i> , 2002 , 66,	2.6	21
237	Trajectory, binding and relativistic effects in the K-shell ionization process investigated by particle-photon coincidences. <i>Nuclear Instruments & Methods in Physics Research</i> , 1982 , 192, 71-77		21
236	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
235	Influence of long-lived metastable levels on the electron-impact single ionization of C2+. <i>Physical Review A</i> , 2005 , 71,	2.6	20
234	Dependence of the K α /K β branching ratio on projectile velocity and nuclear charge. <i>Zeitschrift für Physik A</i> , 1979 , 290, 19-24		20
233	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
232	Strong shell effects in the scattering of slow highly charged Ar ions from a Au(111) surface. <i>Physical Review A</i> , 1997 , 56, 3777-3780	2.6	19
231	A new determination of the 4He and 3He masses in a Penning trap. <i>European Physical Journal D</i> , 2001 , 15, 141-143	1.3	19
230	Measurement of the field-induced dielectronic-recombination-rate enhancement of O5+ ions differential in the Rydberg quantum number n. <i>Physical Review A</i> , 2002 , 65,	2.6	19
229	Dielectronic recombination of N4+. <i>Physical Review A</i> , 2001 , 64,	2.6	18
228	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
227	Experimental evidence for vacancy sharing between L subshells in very asymmetric ion-atom collisions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1986 , 19, 3083-3090		18
226	Systematic study of impact parameter dependent K-vacancy probabilities in near symmetric gas- and solid-target collision systems. <i>Zeitschrift für Physik A</i> , 1984 , 316, 5-14		18
225	Precision mass measurements of 40Ca17+ and 40Ca19+ ions in a Penning trap. <i>European Physical Journal D</i> , 2006 , 39, 1-4	1.3	17
224	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

223	Single transfer-excitation resonance observed via the two-photon decay in He-like Ge ³⁰⁺ . <i>Physical Review Letters</i> , 1990 , 65, 3108-3111	7.4	17
222	Interference effects in K vacancy transfer of hydrogenlike S ions colliding with Ar. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1984 , 17, 2319-2338		17
221	Foil-excited Rydberg states of fast oxygen ions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982 , 91, 12-14	2.3	17
220	Three-body recombination of ions with electrons in cooler-storage rings 1997 , 108, 185-194		16
219	K-shell excitation probabilities in 32 MeV S on Ar collisions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1980 , 13, 4599-4606		16
218	Impact-Parameter Dependence of K-Shell Vacancy Sharing in Heavy-Ion Collisions. <i>Physical Review Letters</i> , 1977 , 39, 79-81	7.4	16
217	SPARC experiments at the high-energy storage ring. <i>Physica Scripta</i> , 2013 , T156, 014085	2.6	15
216	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
215	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
214	High-frequency Ramsey excitation in a Penning trap. <i>Journal of Instrumentation</i> , 2007 , 2, P06003-P06003		15
213	Determination of the Ni^{xviii} plasma recombination rate coefficient. <i>Astronomy and Astrophysics</i> , 2003 , 409, 781-786	5.1	15
212	Development of an electro-optical device for storage of high power laser pulses. <i>Optics Communications</i> , 2002 , 214, 291-295	2	15
211	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
210	Projectile energy loss in multiply ionizing ion-atom collisions. <i>Physical Review A</i> , 1995 , 51, 324-336	2.6	15
209	Radiative recombination in the low-energy regime. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992 , 166, 235-237	2.3	15
208	Storage rings, a new tool for atomic physics. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1989 , 43, 411-424	1.2	15
207	Impact-parameter dependence of K-shell vacancy production in Nb-Mo collisions. <i>Zeitschrift für Physik A</i> , 1979 , 293, 91-92		15
206	K-shell ionization probability in energetic nearly symmetric heavy-ion collisions. <i>Physical Review A</i> , 1978 , 18, 2482-2487	2.6	15

205	Precise measurements of ionic masses for QED tests. <i>International Journal of Mass Spectrometry</i> , 2006 , 251, 281-285	1.9	14
204	Laser-induced recombination of D+. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996 , 117, 31-37.2		14
203	Atomic physics at the Heidelberg Test Storage Ring (TSR). <i>Nuclear Instruments & Methods in Physics Research B</i> , 1987 , 24-25, 11-17	1.2	14
202	K β /K α branching ratios of S and Ar in dependence on S projectile-charge state. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1979 , 12, L325-L329		14
201	Influence of electromagnetic fields on the dielectronic recombination of Ne ⁷⁺ ions. <i>Physical Review A</i> , 2001 , 64,	2.6	13
200	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
199	The SMILETRAP facility. <i>Physica Scripta</i> , 1995 , T59, 196-202	2.6	13
198	Radiative recombination of low-energy electrons with deuterons in CRYRING. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 79, 59-63	1.2	13
197	K-K charge transfer and electron emission for 0.13-MeV/u F ⁸⁺⁺ Ne collisions. <i>Physical Review A</i> , 1987 , 36, 2603-2612	2.6	13
196	Recoil-charge-state-target-K-Auger-electron coincidences: A technique to study excitation patterns in K-K charge transfer. <i>Physical Review A</i> , 1986 , 34, 2897-2910	2.6	13
195	Experimental determination of the production mechanism for noncharacteristic radiation in swift heavy-ion collisions. <i>Zeitschrift für Physik A</i> , 1978 , 284, 39-42		13
194	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
193	Study of radiative recombination into deuterium Rydberg states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995 , 28, 505-514	1.3	12
192	Resonant transfer and excitation in swift, heavy fewelectron projectiles. <i>Radiation Effects and Defects in Solids</i> , 1989 , 110, 39-43	0.9	12
191	Resonant transfer and excitation (RTE) in Ti ¹⁹⁺ -H ₂ collisions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1987 , 23, 137-139	1.2	12
190	Impact parameter dependence of the L-subshell ionization probabilities and of the L ₃ -subshell alignment tensor components in 4 MeVp-Sm collisions. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1987 , 4, 243-247		12
189	Photon polarization in radiative recombination of bare ions with low-energy free electrons. <i>Physical Review A</i> , 1992 , 46, 6962-6969	2.6	11
188	K-shell to K-shell charge transfer in collisions of bare decelerated S ions with Ar. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987 , 20, 2057-2073		11

187	Measurement of inelasticities for charge correlated multiple ionization of Ne by fast C ⁶⁺ ions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1987 , 262, 6-9	1.2	11
186	The impact parameter dependence of the K MO X-ray emission in 208Pb + 208Pb collisions. <i>Zeitschrift für Physik A</i> , 1984 , 319, 239-251		11
185	Charge-State Dependence of Molecular K α -Ray Production in Nearly Symmetrical Ion-Atom Collisions. <i>Physical Review Letters</i> , 1978 , 41, 859-862	7.4	11
184	RECOMBINATION AND ELECTRON IMPACT EXCITATION RATE COEFFICIENTS FOR S XV AND S XVI. <i>Astrophysical Journal</i> , 2012 , 754, 86	4.7	10
183	Dielectronic recombination of Li-like neon and argon. <i>Hyperfine Interactions</i> , 1996 , 99, 317-323	0.8	10
182	Impact-parameter dependence of 2p π and 1s π molecular-orbital x rays produced by Nb-Mo collisions at 143 MeV. <i>Physical Review A</i> , 1980 , 22, 2513-2518	2.6	10
181	Impact parameter dependence of electron production in S-Ar collisions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1982 , 15, 651-661		10
180	Energy distribution of electrons ejected from the argon K shell by 6 MeV protons. <i>Zeitschrift für Physik A</i> , 1982 , 305, 91-92		10
179	Recombination rate coefficients of Be-like neon. <i>Astronomy and Astrophysics</i> , 2008 , 489, 829-835	5.1	10
178	Effects of polarization on laser-induced electron-ion recombination. <i>Physical Review A</i> , 2011 , 83,	2.6	9
177	Transmission of highly charged ions through mica nanocapillaries of rhombic cross section. <i>Physical Review A</i> , 2012 , 86,	2.6	9
176	Simulation of the formation and detection of one-dimensional ordered ion beams. <i>Physical Review E</i> , 1994 , 50, 4073-4086	2.4	9
175	Inner-shell effect on the sulphur projectile charge state after single close collisions with rare gases. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1981 , 14, 693-699		9
174	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
173	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
172	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
171	Unexpected x-ray emission due to formation of bound doubly excited states. <i>Physical Review Letters</i> , 2000 , 85, 5559-62	7.4	8
170	Dielectronic recombination of Li-like fluorine ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999 , 154, 97-101	1.2	8

169	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
168	Knock-on electrons produced in collisions of 6.4 TeV sulfur ions with fixed targets. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 79, 26-29	1.2	8
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