

R Drner

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439
papers

24,478
citations

67
h-index

149
g-index

477
ext. papers

29,136
ext. citations

5.1
avg, IF

6.56
L-index

#	Paper	IF	Citations
439	Double-slit photoelectron interference in strong-field ionization of the neon dimer. <i>Nature Communications</i> , 2019 , 10, 1	17.4	6976
438	Recoil-ion and electron momentum spectroscopy: reaction-microscopes. <i>Reports on Progress in Physics</i> , 2003 , 66, 1463-1545	14.4	1362
437	Cold Target Recoil Ion Momentum Spectroscopy: a momentum microscope to view atomic collision dynamics. <i>Physics Reports</i> , 2000 , 330, 95-192	27.7	988
436	Laser-induced electron tunneling and diffraction. <i>Science</i> , 2008 , 320, 1478-82	33.3	584
435	Attosecond ionization and tunneling delay time measurements in helium. <i>Science</i> , 2008 , 322, 1525-9	33.3	556
434	Correlated electron emission in multiphoton double ionization. <i>Nature</i> , 2000 , 405, 658-61	50.4	417
433	Recoil-ion momentum spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997 , 30, 2917-2974	1.3	406
432	Attosecond angular streaking. <i>Nature Physics</i> , 2008 , 4, 565-570	16.2	305
431	Recoil-ion momentum distributions for single and double ionization of helium in strong laser fields. <i>Physical Review Letters</i> , 2000 , 84, 443-6	7.4	274
430	Multiple hit readout of a microchannel plate detector with a three-layer delay-line anode. <i>IEEE Transactions on Nuclear Science</i> , 2002 , 49, 2477-2483	1.7	264
429	Experimental observation of interatomic coulombic decay in neon dimers. <i>Physical Review Letters</i> , 2004 , 93, 163401	7.4	252
428	Laser tunnel ionization from multiple orbitals in HCl. <i>Science</i> , 2009 , 325, 1364-7	33.3	248
427	Ultrafast energy transfer between water molecules. <i>Nature Physics</i> , 2010 , 6, 139-142	16.2	241
426	Binary and recoil collisions in strong field double ionization of helium. <i>Physical Review Letters</i> , 2007 , 99, 263002	7.4	222
425	Determination of the carrier-envelope phase of few-cycle laser pulses with terahertz-emission spectroscopy. <i>Nature Physics</i> , 2006 , 2, 327-331	16.2	192
424	The simplest double slit: interference and entanglement in double photoionization of H ₂ . <i>Science</i> , 2007 , 318, 949-52	33.3	191
423	A broad-application microchannel-plate detector system for advanced particle or photon detection tasks: large area imaging, precise multi-hit timing information and high detection rate. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 477, 244-249	1.2	174

422	Timing the release in sequential double ionization. <i>Nature Physics</i> , 2011 , 7, 428-433	16.2	172
421	Direct determination of absolute molecular stereochemistry in gas phase by Coulomb explosion imaging. <i>Science</i> , 2013 , 341, 1096-100	33.3	171
420	Single photon-induced symmetry breaking of H ₂ dissociation. <i>Science</i> , 2007 , 315, 629-33	33.3	165
419	Low-Energy Electrons and Their Dynamical Correlation with Recoil Ions for Single Ionization of Helium by Fast, Heavy-Ion Impact. <i>Physical Review Letters</i> , 1994 , 73, 3371-3374	7.4	155
418	Ultrafast probing of core hole localization in N ₂ . <i>Science</i> , 2008 , 320, 920-3	33.3	151
417	Photoelectron diffraction mapping: molecules illuminated from within. <i>Physical Review Letters</i> , 2001 , 87, 013002	7.4	150
416	Three-body physics. Observation of the Efimov state of the helium trimer. <i>Science</i> , 2015 , 348, 551-5	33.3	148
415	Complete photo-fragmentation of the deuterium molecule. <i>Nature</i> , 2004 , 431, 437-40	50.4	136
414	Few-photon multiple ionization of ne and ar by strong free-electron-laser pulses. <i>Physical Review Letters</i> , 2007 , 98, 203001	7.4	131
413	Photo-double-ionization of He: Fully differential and absolute electronic and ionic momentum distributions. <i>Physical Review A</i> , 1998 , 57, 1074-1090	2.6	126
412	Fully differential rates for femtosecond multiphoton double ionization of neon. <i>Physical Review Letters</i> , 2004 , 92, 213002	7.4	123
411	Recoil-ion momentum distributions for two-photon double ionization of He and Ne by 44 eV free-electron laser radiation. <i>Physical Review Letters</i> , 2008 , 101, 073003	7.4	122
410	Absolute triple differential cross sections for photo-double ionization of helium - experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998 , 31, 5149-5160	1.3	120
409	Controlling attosecond double ionization dynamics via molecular alignment. <i>Physical Review Letters</i> , 2005 , 95, 203003	7.4	117
408	Multiorbital tunneling ionization of the CO molecule. <i>Physical Review Letters</i> , 2012 , 108, 183001	7.4	113
407	Attosecond strobing of two-surface population dynamics in dissociating H ₂ ⁺ . <i>Physical Review Letters</i> , 2007 , 98, 073003	7.4	113
406	Circular dichroism in K-shell ionization from fixed-in-space CO and N ₂ molecules. <i>Physical Review Letters</i> , 2002 , 88, 073002	7.4	113
405	Signatures of the continuum electron phase in molecular strong-field photoelectron holography. <i>Nature Physics</i> , 2014 , 10, 594-600	16.2	112

404	Angular tunneling ionization probability of fixed-in-space H2 molecules in intense laser pulses. <i>Physical Review Letters</i> , 2009 , 102, 033004	7.4	109
403	Photoelectron-photoion momentum spectroscopy as a clock for chemical rearrangements: isomerization of the di-cation of acetylene to the vinylidene configuration. <i>Physical Review Letters</i> , 2003 , 90, 233002	7.4	109
402	Mechanisms of photo double ionization of helium by 530 eV photons. <i>Physical Review Letters</i> , 2002 , 89, 033004	7.4	108
401	Multiple Ionization in Strong Laser Fields. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2002 , 1-34	1.7	108
400	Ratio of cross sections for double to single ionization of He by 85-400 eV photons. <i>Physical Review Letters</i> , 1996 , 76, 2654-2657	7.4	105
399	K-shell photoionization of CO and N2: is there a link between the photoelectron angular distribution and the molecular decay dynamics?. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001 , 34, 3669-3678	1.3	103
398	Separation of photoabsorption and Compton scattering contributions to He single and double ionization. <i>Physical Review Letters</i> , 1995 , 74, 4615-4618	7.4	103
397	Localization and loss of coherence in molecular double-slit experiments. <i>Nature Physics</i> , 2008 , 4, 649-655	6.2	101
396	Fully Differential Cross Sections for Double Photoionization of He Measured by Recoil Ion Momentum Spectroscopy. <i>Physical Review Letters</i> , 1996 , 77, 1024-1027	7.4	99
395	Fragmentation dynamics of CO(2)(3+) investigated by multiple electron capture in collisions with slow highly charged ions. <i>Physical Review Letters</i> , 2010 , 104, 103201	7.4	98
394	Multiple fragmentation of atoms in femtosecond laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005 , 38, S753-S772	1.3	98
393	Multicoincidence studies of photo and Auger electrons from fixed-in-space molecules using the COLTRIMS technique. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004 , 141, 229-238	1.7	96
392	State selective scattering angle dependent capture cross sections measured by cold target recoil ion momentum spectroscopy. <i>Physical Review Letters</i> , 1995 , 74, 2200-2203	7.4	96
391	Resonant Auger decay driving intermolecular Coulombic decay in molecular dimers. <i>Nature</i> , 2014 , 505, 664-6	50.4	95
390	Interatomic Coulombic decay following photoionization of the helium dimer: observation of vibrational structure. <i>Physical Review Letters</i> , 2010 , 104, 133401	7.4	91
389	Strong correlations in the He ground state momentum wave function observed in the fully differential momentum distributions for the p + He transfer ionization process. <i>Physical Review Letters</i> , 2001 , 86, 2257-60	7.4	90
388	Probing angular correlations in sequential double ionization. <i>Physical Review Letters</i> , 2011 , 107, 113003	7.4	89
387	Ionization of Helium in the Attosecond Equivalent Light Pulse of 1 GeV/Nucleon U92+ Projectiles. <i>Physical Review Letters</i> , 1997 , 79, 3621-3624	7.4	89

- 386 Imaging of Saddle Point Electron Emission in Slow p-He Collisions. *Physical Review Letters*, **1996**, 77, 4520-4523 88
- 385 Nonsequential Double Ionization by Counterrotating Circularly Polarized Two-Color Laser Fields. *Physical Review Letters*, **2016**, 117, 133202 7.4 87
- 384 Three-body interactions in proton-helium angular scattering. *Physical Review Letters*, **1989**, 63, 147-150 7.4 82
- 383 Two-photon double ionization of Ne by free-electron laser radiation: a kinematically complete experiment. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2009**, 42, 141002 1.3 79
- 382 Double Photoionization of Spatially Aligned D2. *Physical Review Letters*, **1998**, 81, 5776-5779 7.4 78
- 381 Electron-electron interaction in projectile ionization investigated by high resolution recoil ion momentum spectroscopy. *Physical Review Letters*, **1994**, 72, 3166-3169 7.4 78
- 380 Streaking temporal double-slit interference by an orthogonal two-color laser field. *Physical Review Letters*, **2015**, 114, 143001 7.4 77
- 379 Electron spin polarization in strong-field ionization of xenon atoms. *Nature Photonics*, **2016**, 10, 526-528 33.9 77
- 378 Strong field electron emission from fixed in space H(2)(+) ions. *Physical Review Letters*, **2011**, 107, 143004 7.4 73
- 377 Intra-atomic Electron-Electron Scattering in p-He Collisions (Thomas Process) Investigated by Cold Target Recoil Ion Momentum Spectroscopy. *Physical Review Letters*, **1997**, 79, 387-390 7.4 71
- 376 Probing the tunnelling site of electrons in strong field enhanced ionization of molecules. *Nature Communications*, **2012**, 3, 1113 17.4 70
- 375 Fully differential cross sections for photo-double-ionization of D2. *Physical Review Letters*, **2004**, 92, 163001 7.4 68
- 374 Sequential and nonsequential contributions to double ionization in strong laser fields. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2000**, 33, L127-L133 1.3 67
- 373 Helicity Dependence of the Photon-Induced Three-Body Coulomb Fragmentation of Helium Investigated by Cold Target Recoil Ion Momentum Spectroscopy. *Physical Review Letters*, **1998**, 80, 5301-5304 7.4 67
- 372 Core-hole screening as a probe for a metal-to-nonmetal transition in lead clusters. *Physical Review Letters*, **2009**, 102, 138303 7.4 65
- 371 Breakdown of the independent electron approximation in sequential double ionization. *New Journal of Physics*, **2011**, 13, 093008 2.9 63
- 370 Multi-hit detector system for complete momentum balance in spectroscopy in molecular fragmentation processes. *Nuclear Instruments & Methods in Physics Research B*, **1999**, 149, 490-500 1.2 62
- 369 Experimental separation of virtual photon exchange and electron transfer in interatomic coulombic decay of neon dimers. *Physical Review Letters*, **2007**, 99, 153401 7.4 61

368	State-selective differential cross sections for single and double electron capture in He ⁺ , He ²⁺ -He and p-He collisions. <i>Physical Review A</i> , 2009 , 79,	2.6	58
367	Few-photon multiple ionization of N ₂ by extreme ultraviolet free-electron laser radiation. <i>Physical Review Letters</i> , 2009 , 102, 123002	7.4	58
366	Experimental separation of electron-electron and electron-nuclear contributions to ionization of fast hydrogenlike ions colliding with He. <i>Physical Review Letters</i> , 1994 , 72, 3170-3173	7.4	58
365	Relaxation processes following 1s photoionization and Auger decay in Ne ₂ . <i>Physical Review A</i> , 2008 , 78,	2.6	57
364	Vibrationally resolved K-shell photoionization of CO with circularly polarized light. <i>Physical Review Letters</i> , 2004 , 93, 083002	7.4	57
363	Understanding the role of phase in chemical bond breaking with coincidence angular streaking. <i>Nature Communications</i> , 2013 , 4, 2177	17.4	55
362	Electron-electron momentum exchange in strong field double ionization. <i>Physical Review Letters</i> , 2003 , 91, 123004	7.4	55
361	Ultrafast preparation and detection of ring currents in single atoms. <i>Nature Physics</i> , 2018 , 14, 701-704	16.2	54
360	Investigating two-photon double ionization of D ₂ by XUV-pump-XUV-probe experiments. <i>Physical Review A</i> , 2010 , 81,	2.6	54
359	Auger electron emission from fixed-in-space CO. <i>Physical Review Letters</i> , 2003 , 90, 153003	7.4	54
358	Double-ionization mechanisms of the argon dimer in intense laser fields. <i>Physical Review A</i> , 2010 , 82,	2.6	53
357	Interference in the collective electron momentum in double photoionization of H ₂ . <i>Physical Review Letters</i> , 2008 , 100, 133005	7.4	53
356	Imaging the He ₂ quantum halo state using a free electron laser. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14651-14655	11.5	53
355	High-velocity limit for the ratio of helium double-to-single ionization for highly charged, bare-ion impact. <i>Physical Review Letters</i> , 1993 , 71, 1697-1700	7.4	51
354	Single- and double-ionization cross sections for angular scattering of fast protons by helium. <i>Physical Review A</i> , 1989 , 40, 2843-2846	2.6	51
353	Localization of inner-shell photoelectron emission and interatomic Coulombic decay in Ne ₂ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008 , 41, 101002	1.3	49
352	Young-type interference in collisions between hydrogen molecular ions and helium. <i>Physical Review Letters</i> , 2008 , 101, 173202	7.4	47
351	Spatial imaging of the H ₂ (⁺) vibrational wave function at the quantum limit. <i>Physical Review Letters</i> , 2012 , 108, 073202	7.4	46

350	Electron-nuclear energy sharing in above-threshold multiphoton dissociative ionization of H ₂ . <i>Physical Review Letters</i> , 2013 , 111, 023002	7.4	45
349	Low-Z internal target from a cryogenically cooled liquid microjet source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 602, 311-314	1.2	45
348	Multiple recapture of electrons in multiple ionization of the argon dimer by a strong laser field. <i>Physical Review Letters</i> , 2011 , 107, 043003	7.4	45
347	Kinematically complete experiments using cold target recoil ion momentum spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997 , 124, 225-231	1.2	45
346	Double and single ionization of helium by 58-keV x rays. <i>Physical Review Letters</i> , 1996 , 76, 4685-4688	7.4	45
345	Imaging polyatomic molecules in three dimensions using molecular frame photoelectron angular distributions. <i>Physical Review Letters</i> , 2012 , 108, 233002	7.4	44
344	Enhanced production of low energy electrons by alpha particle impact. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11821-4	11.5	43
343	Carbon K-shell photoelectron angular distribution from fixed-in-space CO ₂ molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003 , 36, L25-L30	1.3	43
342	Vibrationally resolved decay width of interatomic Coulombic decay in HeNe. <i>Physical Review Letters</i> , 2013 , 111, 233004	7.4	42
341	Agreement of Experiment and Theory on the Single Ionization of Helium by Fast Proton Impact. <i>Physical Review Letters</i> , 2016 , 116, 073201	7.4	41
340	Imaging the structure of the trimer systems (4)He ₃ and (3)He(4)He ₂ . <i>Nature Communications</i> , 2014 , 5, 5765	17.4	40
339	Photo double ionization of He by circular and linear polarized single-photon absorption. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001 , 34, 965-981	1.3	40
338	Three-body final-state momentum distributions for swift H ⁺ and He ²⁺ on He collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995 , 28, 435-444	1.3	40
337	Multi-coincidence ion detection system for EUV FEL fragmentation experiments at SPring-8. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 606, 770-773	1.2	39
336	Dead-time-free ion momentum spectroscopy of multiple ionization of Xe clusters irradiated by euV free-electron laser pulses. <i>Physical Review A</i> , 2009 , 79,	2.6	38
335	Frustration of direct photoionization of Ar clusters in intense extreme ultraviolet pulses from a free electron laser. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 134019	1.3	38
334	Fast position and time-resolved read-out of micro-channelplates with the delay-line technique for single-particle and photon-detection 1998 , 3438, 322		38
333	Imaging of the structure of the argon and neon dimer, trimer, and tetramer. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 6936-41	2.8	37

332	Accuracy in optical tracking with fiducial markers: an accuracy function for ARToolKit		37
331	Ejection of quasi-free-electron pairs from the helium-atom ground state by single-photon absorption. <i>Physical Review Letters</i> , 2013 , 111, 013003	7.4	36
330	Fragmentation pathways for selected electronic states of the acetylene dication. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008 , 41, 091001	1.3	36
329	Experimental evidence for electron repulsion in multiphoton double ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001 , 34, L449-L455	1.3	36
328	Tracing direct and sequential two-photon double ionization of D2 in femtosecond extreme-ultraviolet laser pulses. <i>Physical Review A</i> , 2010 , 81,	2.6	35
327	Magnetic fields alter strong-field ionization. <i>Nature Physics</i> , 2019 , 15, 1222-1226	16.2	34
326	Photo-double-ionization of ethylene and acetylene near threshold. <i>Physical Review A</i> , 2014 , 89,	2.6	34
325	Comparison of dissociative ionization of H2, N2, Ar2, and CO by elliptically polarized two-color pulses. <i>Physical Review A</i> , 2013 , 87,	2.6	34
324	Ionization dynamics of helium dimers in fast collisions with He ⁺⁺ . <i>Physical Review Letters</i> , 2011 , 106, 033201	7.4	34
323	Molecular frame photoelectron angular distribution for oxygen 1s photoemission from CO2 molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005 , 38, L277-L284	1.3	34
322	Dynamic mechanisms of He single ionization by fast proton impact. <i>Physical Review A</i> , 1992 , 45, 4572-4575	2.6	34
321	From fission to explosion: Momentum-resolved survey over the Rayleigh instability barrier. <i>Physical Review A</i> , 2008 , 78,	2.6	33
320	Symmetry-dependent multielectron excitations near the C 1s ionization threshold and distortion of the shape resonance in CO(2). <i>Physical Review Letters</i> , 2002 , 89, 023006	7.4	33
319	Direct Experimental Access to the Nonadiabatic Initial Momentum Offset upon Tunnel Ionization. <i>Physical Review Letters</i> , 2018 , 121, 163202	7.4	33
318	Observation of Enhanced Chiral Asymmetries in the Inner-Shell Photoionization of Uniaxially Oriented Methyloxirane Enantiomers. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2780-2786	6.4	32
317	Coulomb asymmetry in strong field multielectron ionization of diatomic molecules. <i>Physical Review Letters</i> , 2012 , 108, 043002	7.4	32
316	Influence of ionised electrons on heavy nuclei angular differential scattering cross sections. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1989 , 22, 627-640	1.3	32
315	Spin and Angular Momentum in Strong-Field Ionization. <i>Physical Review Letters</i> , 2018 , 120, 043202	7.4	31

3 ¹⁴	Ion-impact-induced interatomic Coulombic decay in neon and argon dimers. <i>Physical Review A</i> , 2013 , 88,	2.6	3 ¹
3 ¹³	Coulomb asymmetry and sub-cycle electron dynamics in multiphoton multiple ionization of H ₂ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 194011	1.3	3 ¹
3 ¹²	Photo- and auger-electron recoil induced dynamics of interatomic Coulombic decay. <i>Physical Review Letters</i> , 2009 , 103, 033001	7.4	3 ¹
3 ¹¹	Abrupt rise of the longitudinal recoil ion momentum distribution for ionizing collisions. <i>Physical Review Letters</i> , 2001 , 86, 224-7	7.4	3 ¹
3 ¹⁰	Cross-section ratio of double to single ionization of helium by Compton scattering of 40-100-keV x rays. <i>Physical Review A</i> , 1999 , 59, 371-379	2.6	3 ¹
3 ⁰⁹	Interatomic and Intermolecular Coulombic Decay. <i>Chemical Reviews</i> , 2020 , 120, 11295-11369	68.1	3 ¹
3 ⁰⁸	Structures of N ₂ Ar, O ₂ Ar, and O ₂ Xe dimers studied by Coulomb explosion imaging. <i>Journal of Chemical Physics</i> , 2012 , 137, 104308	3.9	3 ⁰
3 ⁰⁷	Revealing the effect of angular correlation in the ground-state He wavefunction: a coincidence study of the transfer ionization process. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005 , 38, L123-L128	1.3	3 ⁰
3 ⁰⁶	Quasi-discretization of the electron continuum emitted in collisions of 0.6 MeV u-1Au ¹¹⁺ with noble gases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1992 , 25, L287-L293	1.3	3 ⁰
3 ⁰⁵	Absolute Configuration from Different Multifragmentation Pathways in Light-Induced Coulomb Explosion Imaging. <i>ChemPhysChem</i> , 2016 , 17, 2465-72	3.2	3 ⁰
3 ⁰⁴	Observation of electron energy discretization in strong field double ionization. <i>Physical Review Letters</i> , 2013 , 111, 113003	7.4	2 ⁹
3 ⁰³	Single photon double ionization of the helium dimer. <i>Physical Review Letters</i> , 2010 , 104, 153401	7.4	2 ⁹
3 ⁰²	Theoretical study of vibrationally resolved photoionization for the C K-shell of the CO molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, 1331-1342	1.3	2 ⁹
3 ⁰¹	Differential cross sections for single and double ionization of helium by protons and antiprotons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993 , 26, 3387-3401	1.3	2 ⁹
3 ⁰⁰	Roadmap on photonic, electronic and atomic collision physics: I. Light-matter interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019 , 52, 171001	1.3	2 ⁸
2 ⁹⁹	Electron transfer in fast proton-helium collisions. <i>Physical Review A</i> , 2012 , 85,	2.6	2 ⁸
2 ⁹⁸	Interatomic electronic decay driven by nuclear motion. <i>Physical Review Letters</i> , 2010 , 105, 173401	7.4	2 ⁸
2 ⁹⁷	Energy sharing and asymmetry parameters for photo double ionization of helium 100 eV above threshold in single-particle and Jacobi coordinates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002 , 35, L521-L526	1.3	2 ⁸

296	Double ionization of helium by high-velocity U90+ ions. <i>Physical Review A</i> , 1992 , 46, 5539-5544	2.6	28
295	Absolute ion detection efficiencies of microchannel plates and funnel microchannel plates for multi-coincidence detection. <i>Review of Scientific Instruments</i> , 2018 , 89, 045112	1.7	27
294	Subcycle interference upon tunnel ionization by counter-rotating two-color fields. <i>Physical Review A</i> , 2018 , 97,	2.6	27
293	FLSR The Frankfurt low energy storage ring. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 614, 10-16	1.2	27
292	Double ionization by one and many photons. <i>Radiation Physics and Chemistry</i> , 2004 , 70, 191-206	2.5	27
291	Transfer ionization process $p+He-H+He^{2++e^-}$ with the ejected electron detected in the plane perpendicular to the incident beam direction. <i>Physical Review A</i> , 2005 , 71,	2.6	27
290	Multiple ionisation of rare gases by high-energy uranium ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1988 , 21, 3929-3939	1.3	27
289	Kinematically complete investigation of momentum transfer for single ionization in fast proton-helium collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000 , 33, 3331-3344 ^{1.3}	1.3	26
288	Vortices Associated with the Wave Function of a Single Electron Emitted in Slow Ion-Atom Collisions. <i>Physical Review Letters</i> , 2014 , 112,	7.4	25
287	Angular correlation between photoelectrons and auger electrons from K-shell ionization of neon. <i>Physical Review Letters</i> , 2009 , 102, 223001	7.4	25
286	Recoil ion and electronic angular asymmetry parameters for photo double ionization of helium at 99 eV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997 , 30, L649-L655	1.3	25
285	Evidence of interatomic Coulombic decay in ArKr after Ar 2p Auger decay. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008 , 41, 025101	1.3	25
284	Breakdown of the two-step model in K-shell photoemission and subsequent decay probed by the molecular-frame photoelectron angular distributions of CO ₂ . <i>Physical Review Letters</i> , 2008 , 101, 083001 ^{7.4}	7.4	25
283	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
282	Partial photoionization cross sections and angular distributions for double excitation of helium up to the N = 13 threshold. <i>Physical Review Letters</i> , 2005 , 95, 243003	7.4	25
281	Abnormal behaviour of zero degree delta -electron emission on the projectile ionic charge. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1991 , 24, 2579-2588	1.3	25
280	Optimization of single-cycle terahertz generation in LiNbO ₃ for sub-50 femtosecond pump pulses. <i>Optics Express</i> , 2013 , 21, 6826-36	3.3	24
279	A design study for an internal gas-jet target for the heavy-ion storage ring CRYRING 1997 , 108, 339-354		24

278	Photo-double-ionization of H ₂ : Two-center interference and its dependence on the internuclear distance. <i>Physical Review A</i> , 2008 , 78,	2.6	24
277	Semiclassical model for attosecond angular streaking. <i>Optics Express</i> , 2010 , 18, 17640-50	3.3	23
276	Photoelectron and ICD electron angular distributions from fixed-in-space neon dimers. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007 , 40, 2597-2606	1.3	23
275	Cryogenic microjet for exploration of superfluidity in highly supercooled molecular hydrogen. <i>Europhysics Letters</i> , 2006 , 73, 540-546	1.6	23
274	Differential cross sections in antiproton- and proton-helium collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999 , 32, L73-L79	1.3	23
273	Zeptosecond birth time delay in molecular photoionization. <i>Science</i> , 2020 , 370, 339-341	33.3	23
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