R DÃ¶rner

List of Publications by Year in descending order

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467 papers	36,296 citations	12330 69 h-index	4228 174 g-index
477 all docs	477 docs citations	477 times ranked	43209 citing authors

#	Article	IF	Citations
1	Double-slit photoelectron interference in strong-field ionization of the neon dimer. Nature Communications, 2019, 10, 1.	12.8	15,301
2	Recoil-ion and electron momentum spectroscopy: reaction-microscopes. Reports on Progress in Physics, 2003, 66, 1463-1545.	20.1	1,679
3	Cold Target Recoil Ion Momentum Spectroscopy: a â€˜momentum microscopeâ€™ to view atomic collision dynamics. Physics Reports, 2000, 330, 95-192.	25.6	1,259
4	Attosecond Ionization and Tunneling Delay Time Measurements in Helium. Science, 2008, 322, 1525-1529.	12.6	725
5	Laser-Induced Electron Tunneling and Diffraction. Science, 2008, 320, 1478-1482.	12.6	692
6	Correlated electron emission in multiphoton double ionization. Nature, 2000, 405, 658-661.	27.8	482
7	Recoil-ion momentum spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 2917-2974.	1.5	443
8	Attosecond angular streaking. Nature Physics, 2008, 4, 565-570.	16.7	410
9	Recoil-Ion Momentum Distributions for Single and Double Ionization of Helium in Strong Laser Fields. Physical Review Letters, 2000, 84, 443-446.	7.8	301
10	Multiple hit readout of a microchannel plate detector with a three-layer delay-line anode. IEEE Transactions on Nuclear Science, 2002, 49, 2477-2483.	2.0	300
11	Laser Tunnel Ionization from Multiple Orbitals in HCl. Science, 2009, 325, 1364-1367.	12.6	283
12	Experimental Observation of Interatomic Coulombic Decay in Neon Dimers. Physical Review Letters, 2004, 93, 163401.	7.8	281
13	Ultrafast energy transfer between water molecules. Nature Physics, 2010, 6, 139-142.	16.7	271
14	Binary and Recoil Collisions in Strong Field Double Ionization of Helium. Physical Review Letters, 2007, 99, 263002.	7.8	255
15	Determination of the carrier-envelope phase of few-cycle laser pulses with terahertz-emission spectroscopy. Nature Physics, 2006, 2, 327-331.	16.7	235
16	Direct Determination of Absolute Molecular Stereochemistry in Gas Phase by Coulomb Explosion Imaging. Science, 2013, 341, 1096-1100.	12.6	234
17	The Simplest Double Slit: Interference and Entanglement in Double Photoionization of H ₂. Science, 2007, 318, 949-952.	12.6	216
18	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. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 477, 244-249.	1.6	195

#	Article	IF	Citations
19	Timing the release in sequential double ionization. Nature Physics, 2011, 7, 428-433.	16.7	192
20	Observation of the Efimov state of the helium trimer. Science, 2015, 348, 551-555.	12.6	190
21	Single Photon-Induced Symmetry Breaking of H2 Dissociation. Science, 2007, 315, 629-633.	12.6	185
22	Photoelectron Diffraction Mapping: Molecules Illuminated from Within. Physical Review Letters, 2001, 87, 013002.	7.8	170
23	Ultrafast Probing of Core Hole Localization in N ₂. Science, 2008, 320, 920-923.	12.6	168
24	Low-Energy Electrons and Their Dynamical Correlation with Recoil Ions for Single Ionization of Helium by Fast, Heavy-Ion Impact. Physical Review Letters, 1994, 73, 3371-3374.	7.8	162
25	Signatures of the continuum electron phase in molecular strong-field photoelectron holography. Nature Physics, 2014, 10, 594-600.	16.7	150
26	Complete photo-fragmentation of the deuterium molecule. Nature, 2004, 431, 437-440.	27.8	145
27	Few-Photon Multiple Ionization of Ne and Ar by Strong Free-Electron-Laser Pulses. Physical Review Letters, 2007, 98, 203001.	7.8	145
28	Multiorbital Tunneling Ionization of the CO Molecule. Physical Review Letters, 2012, 108, 183001.	7.8	134
29	Controlling Attosecond Double Ionization Dynamics via Molecular Alignment. Physical Review Letters, 2005, 95, 203003.	7.8	132
30	Recoil-Ion Momentum Distributions for Two-Photon Double Ionization of He and Ne by 44ÂeV Free-Electron Laser Radiation. Physical Review Letters, 2008, 101, 073003.	7.8	132
31	Fully Differential Rates for Femtosecond Multiphoton Double Ionization of Neon. Physical Review Letters, 2004, 92, 213002.	7.8	131
32	Photo-double-ionization of He: Fully differential and absolute electronic and ionic momentum distributions. Physical Review A, 1998, 57, 1074-1090.	2.5	130
33	Attosecond Strobing of Two-Surface Population Dynamics in DissociatingH2+. Physical Review Letters, 2007, 98, 073003.	7.8	128
34	Fragmentation Dynamics of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msubsup><mml:mi>CO</mml:mi><mml:mn>2</mml:mn><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mm by Multiple Electron Capture in Collisions with Slow Highly Charged Ions. Physical Review Letters, 2010, 104, 103201.	7.8	127
35	Circular Dichroism inK-Shell Ionization from Fixed-in-Space CO andN2Molecules. Physical Review Letters, 2002, 88, 073002.	7.8	126
36	Absolute triple differential cross sections for photo-double ionization of helium - experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 5149-5160.	1.5	124

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37	Angular Tunneling Ionization Probability of Fixed-in-Space<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Molecules in Intense Laser Pulses. Physical Review Letters, 2009, 102, 033004.	7.8	123
38	Resonant Auger decay driving intermolecular Coulombic decay in molecular dimers. Nature, 2014, 505, 664-666.	27.8	119
39	Multicoincidence studies of photo and Auger electrons from fixed-in-space molecules using the COLTRIMS technique. Journal of Electron Spectroscopy and Related Phenomena, 2004, 141, 229-238.	1.7	117
40	Photoelectron-Photoion Momentum Spectroscopy as a Clock for Chemical Rearrangements: Isomerization of the Di-Cation of Acetylene to the Vinylidene Configuration. Physical Review Letters, 2003, 90, 233002.	7.8	116
41	Multiple fragmentation of atoms in femtosecond laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, S753-S772.	1.5	116
42	Multiple Ionization in Strong Laser Fields. Advances in Atomic, Molecular and Optical Physics, 2002, , 1-34.	2.3	115
43	K-shell photoionization of CO and N2: is there a link between the photoelectron angular distribution and the molecular decay dynamics?. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 3669-3678.	1.5	111
44	Mechanisms of Photo Double Ionization of Helium by 530 eV Photons. Physical Review Letters, 2002, 89, 033004.	7.8	111
45	Localization and loss of coherence in molecular double-slit experiments. Nature Physics, 2008, 4, 649-655.	16.7	111
46	Nonsequential Double Ionization by Counterrotating Circularly Polarized Two-Color Laser Fields. Physical Review Letters, 2016, 117, 133202.	7.8	111
47	Ratio of Cross Sections for Double to Single Ionization of He by 85â€“400 eV Photons. Physical Review Letters, 1996, 76, 2654-2657.	7.8	109
48	Separation of Photoabsorption and Compton Scattering Contributionsto He Single and Double Ionization. Physical Review Letters, 1995, 74, 4615-4618.	7.8	107
49	Interatomic Coulombic Decay following Photoionization of the Helium Dimer: Observation of Vibrational Structure. Physical Review Letters, 2010, 104, 133401.	7.8	107
50	Streaking Temporal Double-Slit Interference by an Orthogonal Two-Color Laser Field. Physical Review Letters, 2015, 114, 143001.	7.8	106
51	Interatomic and Intermolecular Coulombic Decay. Chemical Reviews, 2020, 120, 11295-11369.	47.7	106
52	State Selective Scattering Angle Dependent Capture Cross Sections Measured by Cold Target Recoil Ion Momentum Spectroscopy. Physical Review Letters, 1995, 74, 2200-2203.	7.8	105
53	Electron spin polarization in strong-field ionization of xenon atoms. Nature Photonics, 2016, 10, 526-528.	31.4	103
54	Fully Differential Cross Sections for Double Photoionization of He Measured by Recoil Ion Momentum Spectroscopy. Physical Review Letters, 1996, 77, 1024-1027.	7.8	101

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55	Probing Angular Correlations in Sequential Double Ionization. Physical Review Letters, 2011, 107, 113003.	7.8	101
56	Ionization of Helium in the Attosecond Equivalent Light Pulse of 1 GeV/NucleonU92+Projectiles. Physical Review Letters, 1997, 79, 3621-3624.	7.8	99
57	Strong Correlations in the He Ground State Momentum Wave Function Observed in the Fully Differential Momentum Distributions for thep+HeTransfer Ionization Process. Physical Review Letters, 2001, 86, 2257-2260.	7.8	97
58	Imaging of Saddle Point Electron Emission in Slowpâ^'HeCollisions. Physical Review Letters, 1996, 77, 4520-4523.	7.8	93
59	Ultrafast preparation and detection of ring currents in single atoms. Nature Physics, 2018, 14, 701-704.	16.7	93
60	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.	1.5	87
61	Probing the tunnelling site of electrons in strong field enhanced ionization of molecules. Nature Communications, 2012, 3, 1113.	12.8	86
62	Three-body interactions in proton-helium angular scattering. Physical Review Letters, 1989, 63, 147-150.	7.8	83
63	Double Photoionization of Spatially AlignedD2. Physical Review Letters, 1998, 81, 5776-5779.	7.8	83
64	Electron-electron interaction in projectile ionization investigated by high resolution recoil ion momentum spectroscopy. Physical Review Letters, 1994, 72, 3166-3169.	7.8	82
65	Strong Field Electron Emission from Fixed in Space<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msubsup><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:msubsup></mml:math>Ions. Physical Review Letters, 2011, 107, 143004.	7.8	80
66	Intra-atomic Electron-Electron Scattering inp-He Collisions (Thomas Process) Investigated by Cold Target Recoil Ion Momentum Spectroscopy. Physical Review Letters, 1997, 79, 387-390.	7.8	79
67	Imaging the He ₂ quantum halo state using a free electron laser. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14651-14655.	7.1	76
68	Fully Differential Cross Sections for Photo-Double-Ionization ofD2_. Physical Review Letters, 2004, 92, 163001.	7.8	74
69	Sequential and nonsequential contributions to double ionization in strong laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, L127-L133.	1.5	73
70	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.	7.8	69
71	State-selective differential cross sections for single and double electron capture in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mtext>He</mml:mtext></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math>+<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:mtext>-He</mml:mtext></mml:mrow></mml:math>collisions. Physical Review A, 2009, 79, .	2.5	69
72	Core-Hole Screening as a Probe for a Metal-to-Nonmetal Transition in Lead Clusters. Physical Review Letters, 2009, 102, 138303.	7.8	69

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73	Magnetic fields alter strong-field ionization. Nature Physics, 2019, 15, 1222-1226.	16.7	69
74	Breakdown of the independent electron approximation in sequential double ionization. New Journal of Physics, 2011, 13, 093008.	2.9	68
75	Experimental Separation of Virtual Photon Exchange and Electron Transfer in Interatomic Coulombic Decay of Neon Dimers. Physical Review Letters, 2007, 99, 153401.	7.8	66
76	Investigating two-photon double ionization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">D</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>by XUV-pumpâ€“XUV-probe experiments. Physical Review A, 2010, 81, .	2.5	65
77	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.	1.4	64
78	Understanding the role of phase in chemical bond breaking with coincidence angular streaking. Nature Communications, 2013, 4, 2177.	12.8	64
79	Vibrationally ResolvedK-shell Photoionization of CO with Circularly Polarized Light. Physical Review Letters, 2004, 93, 083002.	7.8	63
80	Few-Photon Multiple Ionization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="bold">N</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>by Extreme Ultraviolet Free-Electron Laser Radiation. Physical Review Letters, 2009, 102, 123002.	7.8	62
81	Double-ionization mechanisms of the argon dimer in intense laser fields. Physical Review A, 2010, 82, .	2.5	62
82	Imaging Polyatomic Molecules in Three Dimensions Using Molecular Frame Photoelectron Angular Distributions. Physical Review Letters, 2012, 108, 233002.	7.8	62
83	Zeptosecond birth time delay in molecular photoionization. Science, 2020, 370, 339-341.	12.6	62
84	Experimental separation of electron-electron and electron-nuclear contributions to ionization of fast hydrogenlike ions colliding with He. Physical Review Letters, 1994, 72, 3170-3173.	7.8	61
85	Relaxation processes following<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mi>s</mml:mi></mml:mrow></mml:math>photoionization and Auger decay in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">Ne</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review A, 2008, 78, .	2.5	61
86	Interference in the Collective Electron Momentum in Double Photoionization ofH2. Physical Review Letters, 2008, 100, 133005.	7.8	59
87	Young-Type Interference in Collisions between Hydrogen Molecular Ions and Helium. Physical Review Letters, 2008, 101, 173202.	7.8	59
88	Electron-Nuclear Energy Sharing in Above-Threshold Multiphoton Dissociative Ionization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="bold">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2013, 111, 023002.	7.8	59
89	Imaging the structure of the trimer systems 4He3 and 3He4He2. Nature Communications, 2014, 5, 5765.	12.8	59
90	Spatial Imaging of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="bold">H</mml:mi><mml:mn>2</mml:mn><mml:none /><mml:none /><mml:mo>+</mml:mo></mml:mmultiscripts></mml:math>Vibrational Wave Function at the Quantum Limit. Physical Review Letters, 2012, 108, 073202.	7.8	58

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91	Accuracy in Optical Tracking with Fiducial Markers: An Accuracy Function for ARToolKit. , 0, , .		57
92	Low- internal target from a cryogenically cooled liquid microjet source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 311-314.	1.6	57
93	Auger Electron Emission from Fixed-in-Space CO. Physical Review Letters, 2003, 90, 153003.	7.8	56
94	Electron-Electron Momentum Exchange in Strong Field Double Ionization. Physical Review Letters, 2003, 91, 123004.	7.8	56
95	Multiple Recapture of Electrons in Multiple Ionization of the Argon Dimer by a Strong Laser Field. Physical Review Letters, 2011, 107, 043003.	7.8	56
96	Agreement of Experiment and Theory on the Single Ionization of Helium by Fast Proton Impact. Physical Review Letters, 2016, 116, 073201.	7.8	55
97	Spin and Angular Momentum in Strong-Field Ionization. Physical Review Letters, 2018, 120, 043202.	7.8	54
98	Enhanced production of low energy electrons by alpha particle impact. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11821-11824.	7.1	53
99	Vibrationally Resolved Decay Width of Interatomic Coulombic Decay in HeNe. Physical Review Letters, 2013, 111, 233004.	7.8	53
100	Single- and double-ionization cross sections for angular scattering of fast protons by helium. Physical Review A, 1989, 40, 2843-2846.	2.5	52
101	Imaging of the Structure of the Argon and Neon Dimer, Trimer, and Tetramer. Journal of Physical Chemistry A, 2011, 115, 6936-6941.	2.5	52
102	Direct Experimental Access to the Nonadiabatic Initial Momentum Offset upon Tunnel Ionization. Physical Review Letters, 2018, 121, 163202.	7.8	52
103	Roadmap on photonic, electronic and atomic collision physics: I. Lightâ€“matter interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171001.	1.5	52
104	High-velocity limit for the ratio of helium double-to-single ionization for highly charged, bare-ion impact. Physical Review Letters, 1993, 71, 1697-1700.	7.8	51
105	Localization of inner-shell photoelectron emission and interatomic Coulombic decay in Ne₂. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 101002.	1.5	49
106	Absolute ion detection efficiencies of microchannel plates and funnel microchannel plates for multi-coincidence detection. Review of Scientific Instruments, 2018, 89, 045112.	1.3	49
107	Double and Single Ionization of Helium by 58-keV X Rays. Physical Review Letters, 1996, 76, 4685-4688.	7.8	48
108	X-ray multiphoton-induced Coulomb explosion images complex single molecules. Nature Physics, 2022, 18, 423-428.	16.7	48

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109	Observation of Enhanced Chiral Asymmetries in the Inner-Shell Photoionization of Uniaxially Oriented Methyloxirane Enantiomers. Journal of Physical Chemistry Letters, 2017, 8, 2780-2786.	4.6	47
110	Kinematically complete experiments using cold target recoil ion momentum spectroscopy. Nuclear Instruments & Methods in Physics Research B, 1997, 124, 225-231.	1.4	46
111	Dead-time-free ion momentum spectroscopy of multiple ionization of Xe clusters irradiated by euv free-electron laser pulses. Physical Review A, 2009, 79, .	2.5	44
112	Photo double ionization of He by circular and linear polarized single-photon absorption. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 965-981.	1.5	43
113	Carbon K-shell photoelectron angular distribution from fixed-in-space CO2molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, L25-L30.	1.5	43
114	Structures of N2Ar, O2Ar, and O2Xe dimers studied by Coulomb explosion imaging. Journal of Chemical Physics, 2012, 137, 104308.	3.0	43
115	Ejection of Quasi-Free-Electron Pairs from the Helium-Atom Ground State by Single-Photon Absorption. Physical Review Letters, 2013, 111, 013003.	7.8	43
116	Fast position and time-resolved read-out of micro-channelplates with the delay-line technique for single-particle and photon-detection. , 1998, 3438, 322.		42
117	Fragmentation pathways for selected electronic states of the acetylene dication. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 091001.	1.5	42
118	Three-body final-state momentum distributions for swift H+and He2+on He collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 435-444.	1.5	41
119	Frustration of direct photoionization of Ar clusters in intense extreme ultraviolet pulses from a free electron laser. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 134019.	1.5	41
120	Photo-double-ionization of ethylene and acetylene near threshold. Physical Review A, 2014, 89, .	2.5	41
121	Comparison of dissociative ionization of H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>, N<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>, Ar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	2.5	40
122	Multi-coincidence ion detection system for EUVâ€“FEL fragmentation experiments at SPring-8. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 606, 770-773.	1.6	39
123	Ionization Dynamics of Helium Dimers in Fast Collisions with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>He</mml:mi><mml:mo>++</mml:mo></mml:msup></mml:math>. Physical Review Letters, 2011, 106, 033201.	7.8	39
124	Absolute Configuration from Different Multifragmentation Pathways in Lightâ€induced Coulomb Explosion Imaging. ChemPhysChem, 2016, 17, 2465-2472.	2.1	39
125	Cross-section ratio of double to single ionization of helium by Compton scattering of 40â€“100-keV x rays. Physical Review A, 1999, 59, 371-379.	2.5	38
126	Experimental evidence for electron repulsion in multiphoton double ionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, L449-L455.	1.5	38

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127	Tracing direct and sequential two-photon double ionization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">D</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>in femtosecond extreme-ultraviolet laser pulses. Physical Review A, 2010, 81, .	2.5	37
128	Ion-impact-induced interatomic Coulombic decay in neon and argon dimers. Physical Review A, 2013, 88, .	2.5	37
129	Subcycle interference upon tunnel ionization by counter-rotating two-color fields. Physical Review A, 2018, 97, .	2.5	37
130	Optimization of single-cycle terahertz generation in LiNbO_3 for sub-50 femtosecond pump pulses. Optics Express, 2013, 21, 6826.	3.4	36
131	Molecular frame photoelectron angular distribution for oxygen 1s photoemission from CO2molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, L277-L284.	1.5	35
132	Photo- and Auger-Electron Recoil Induced Dynamics of Interatomic Coulombic Decay. Physical Review Letters, 2009, 103, 033001.	7.8	35
133	Single Photon Double Ionization of the Helium Dimer. Physical Review Letters, 2010, 104, 153401.	7.8	35
134	Coulomb asymmetry and sub-cycle electron dynamics in multiphoton multiple ionization of H₂. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 194011.	1.5	35
135	Coulomb Asymmetry in Strong Field Multielectron Ionization of Diatomic Molecules. Physical Review Letters, 2012, 108, 043002.	7.8	35
136	Electron transfer in fast proton-helium collisions. Physical Review A, 2012, 85, .	2.5	35
137	Dynamic mechanisms of He single ionization by fast proton impact. Physical Review A, 1992, 45, 4572-4575.	2.5	34
138	Abrupt Rise of the Longitudinal Recoil Ion Momentum Distribution for Ionizing Collisions. Physical Review Letters, 2001, 86, 224-227.	7.8	34
139	Symmetry-Dependent Multielectron Excitations near the C1sIonization Threshold and Distortion of the Shape Resonance inCO2. Physical Review Letters, 2002, 89, 023006.	7.8	33
140	Revealing the effect of angular correlation in the ground-state He wavefunction: a coincidence study of the transfer ionization process. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, L123-L128.	1.5	33
141	From fission to explosion: Momentum-resolved survey over the Rayleigh instability barrier. Physical Review A, 2008, 78, .	2.5	33
142	Influence of ionised electrons on heavy nuclei angular differential scattering cross sections. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, 627-640.	1.5	32
143	Interatomic Electronic Decay Driven by Nuclear Motion. Physical Review Letters, 2010, 105, 173401.	7.8	32
144	Observation of Electron Energy Discretization in Strong Field Double Ionization. Physical Review Letters, 2013, 111, 113003.	7.8	32

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145	Vortices Associated with the Wave Function of a Single Electron Emitted in Slow Ion-Atom Collisions. Physical Review Letters, 2014, 112, .	7.8	32
146	Differential cross sections for single and double ionization of helium by protons and antiprotons. Journal of Physics B: Atomic, Molecular and Optical Physics, 1993, 26, 3387-3401.	1.5	31
147	Theoretical study of vibrationally resolved photoionization for the C K-shell of the CO molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 1331-1342.	1.5	31
148	Photoelectron Diffraction Imaging of a Molecular Breakup Using an X-Ray Free-Electron Laser. Physical Review X, 2020, 10, .	8.9	31
149	Quasi-discretization of the electron continuum emitted in collisions of 0.6 MeV u-1Au11+with noble gases. Journal of Physics B: Atomic, Molecular and Optical Physics, 1992, 25, L287-L293.	1.5	30
150	Energy sharing and asymmetry parameters for photo double ionization of helium 100 eV above threshold in single-particle and Jacobi coordinates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, L521-L526.	1.5	30
151	Revealing the non- s 2 contributions in the momentum wave function of ground-state He. Europhysics Letters, 2003, 62, 477-483.	2.0	30
152	FLSR â€“ The Frankfurt low energy storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 614, 10-16.	1.6	30
153	Kinematically complete investigation of momentum transfer for single ionization in fast proton-helium collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 3331-3344.	1.5	29
154	Transfer ionization processp+Heâ†'H0+He2++eâ^'with the ejected electron detected in the plane perpendicular to the incident beam direction. Physical Review A, 2005, 71, .	2.5	29
155	Imaging the Temporal Evolution of Molecular Orbitals during Ultrafast Dissociation. Physical Review Letters, 2016, 117, 243002.	7.8	29
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