

M S Schäffler

List of Publications by Year in descending order

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Version: 2024-02-01

181
papers

22,203
citations

61687

45
h-index

12940

136
g-index

182
all docs

182
docs citations

182
times ranked

46291
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Chiral photoelectron angular distributions from ionization of achiral atomic and molecular species. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 8 |
| 20 | 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. | 0.6 | 52 |
| 21 | Single ionization of helium by fast proton impact in different kinematical regimes. <i>Physical Review A</i> , 2019, 99, . | 1.0 | 18 |
| 22 | Photon-Momentum-Induced Molecular Dynamics in Photoionization of N_2 at $h\nu = 20.8$ eV. <i>Physical Review Letters</i> , 2019, 123, 263201. | 2.9 | 8 |
| 23 | Magnetic fields alter strong-field ionization. <i>Nature Physics</i> , 2019, 15, 1222-1226. | 6.5 | 69 |
| 24 | Probing molecular bond-length using molecular-frame photoelectron angular distributions. <i>Journal of Chemical Physics</i> , 2019, 150, 174306. | 1.2 | 21 |
| 25 | Enantioselective fragmentation of an achiral molecule in a strong laser field. <i>Science Advances</i> , 2019, 5, eaau7923. | 4.7 | 27 |
| 26 | Subfemtosecond Tracing of Molecular Dynamics during Strong-Field Interaction. <i>Physical Review Letters</i> , 2019, 123, 263201. | 2.9 | 16 |
| 27 | Double-slit photoelectron interference in strong-field ionization of the neon dimer. <i>Nature Communications</i> , 2019, 10, 1. | 5.8 | 15,301 |
| 28 | Angular streaking in strong field ionization of chiral molecules. <i>Physical Review Research</i> , 2019, 1, . | 1.3 | 11 |
| 29 | Absolute ion detection efficiencies of microchannel plates and funnel microchannel plates for multi-coincidence detection. <i>Review of Scientific Instruments</i> , 2018, 89, 045112. | 0.6 | 49 |
| 30 | Subcycle interference upon tunnel ionization by counter-rotating two-color fields. <i>Physical Review A</i> , 2018, 97, . | 1.0 | 37 |
| 31 | Experimental evidence for selection rules in multiphoton double ionization of helium and neon. <i>Physical Review A</i> , 2018, 97, . | 1.0 | 7 |
| 32 | Breakdown of the Spectator Concept in Low-Electron-Energy Resonant Decay Processes. <i>Physical Review Letters</i> , 2018, 121, 243002. | 2.9 | 10 |
| 33 | Multiphoton double ionization of helium at 394 nm: A fully differential experiment. <i>Physical Review A</i> , 2018, 98, . | 1.0 | 11 |
| 34 | Separating Dipole and Quadrupole Contributions to Single-Photon Double Ionization. <i>Physical Review Letters</i> , 2018, 121, 173003. | 2.9 | 20 |
| 35 | Numerical investigation of the sequential-double-ionization dynamics of helium in different few-cycle-laser-field shapes. <i>Physical Review A</i> , 2017, 95, . | 1.0 | 7 |
| 36 | Unambiguous observation of F-atom core-hole localization in CF_4 through body-frame photoelectron angular distributions. <i>Physical Review A</i> , 2017, 95, . | 1.0 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Molecular frame photoelectron angular distributions for core ionization of ethane, carbon tetrafluoride and 1,1-difluoroethylene. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 055203. | 0.6 | 11 |
| 38 | Delocalization of a Vacancy across Two Neon Atoms Bound by the van der Waals Force. Physical Review Letters, 2016, 117, 263001. | 2.9 | 15 |
| 39 | Imaging the Temporal Evolution of Molecular Orbitals during Ultrafast Dissociation. Physical Review Letters, 2016, 117, 243002. | 2.9 | 29 |
| 40 | Two-Particle Interference of Electron Pairs on a Molecular Level. Physical Review Letters, 2016, 117, 083002. | 2.9 | 25 |
| 41 | Laser-subcycle control of sequential double-ionization dynamics of helium. Physical Review A, 2016, 93, . | 1.0 | 28 |
| 42 | Electron Localization in Dissociating $\langle \langle H \rangle \rangle$ Retroaction of a Photoelectron onto Its Source. Physical Review Letters, 2016, 116, 043001. | 2.9 | 16 |
| 43 | Agreement of Experiment and Theory on the Single Ionization of Helium by Fast Proton Impact. Physical Review Letters, 2016, 116, 073201. | 2.9 | 55 |
| 44 | Charge transfer processes in proton-helium collisions: The validity of the first Born approximation. Journal of Physics: Conference Series, 2015, 601, 012008. | 0.3 | 0 |
| 45 | Direct Determination of Molecular Handedness via Coulomb Explosion Imaging. Journal of Physics: Conference Series, 2015, 635, 112065. | 0.3 | 0 |
| 46 | Forward-angle electron spectroscopy in heavy-ion atom collisions studied at the ESR. Journal of Physics: Conference Series, 2015, 635, 022005. | 0.3 | 0 |
| 47 | Single ionization of helium by fast proton impact: Searching for projectile coherence. Journal of Physics: Conference Series, 2015, 635, 022053. | 0.3 | 0 |
| 48 | A Single Atom Antenna. Journal of Physics: Conference Series, 2015, 635, 112099. | 0.3 | 0 |
| 49 | Designing a COLTRIMS Reaction-Microscope for multi-hit coincident measurements with the SQS instrument at European XFEL. Journal of Physics: Conference Series, 2015, 635, 112082. | 0.3 | 0 |
| 50 | Electron-capture-to-continuum cusp in $\langle \langle U \rangle \rangle$ Physical Review A, 2015, 91, . | 1.0 | 20 |
| 51 | | | |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Search for isotope effects in projectile and target ionization in swiftHe+onH2orD2collisions. Physical Review A, 2014, 89, . | 1.0 | 2 |
| 56 | Imaging the structure of the trimer systems 4He3 and 3He4He2. Nature Communications, 2014, 5, 5765. | 5.8 | 59 |
| 57 | Selective Control over Fragmentation Reactions in Polyatomic Molecules Using Impulsive Laser Alignment. Physical Review Letters, 2014, 112, 163003. | 2.9 | 66 |
| 58 | Resonant Auger decay driving intermolecular Coulombic decay in molecular dimers. Nature, 2014, 505, 664-666. | 13.7 | 119 |
| 59 | Experimental Proof of Resonant Auger Decay Driven Intermolecular Coulombic Decay. Journal of Physics: Conference Series, 2014, 488, 022009. | 0.3 | 1 |
| 60 | Transfer excitation reactions in fast proton-helium collisions. Journal of Physics: Conference Series, 2014, 488, 082003. | 0.3 | 0 |
| 61 | Strong field double ionization of Helium with ultra-short phase stabilized circularly polarized laser pulses. Journal of Physics: Conference Series, 2014, 488, 032010. | 0.3 | 0 |
| 62 | Transfer ionization of D ⁺ and He ⁺ projectiles with H ₂ -molecules – electron emission dependency on the internuclear axis. Journal of Physics: Conference Series, 2014, 488, 102003. | 0.3 | 0 |
| 63 | Full fragmentation and enantiomeric selection of the isotopically chiral molecule CHCl ₂ Br. Journal of Physics: Conference Series, 2014, 488, 032020. | 0.3 | 0 |
| 64 | Single photon double ionization of Helium at 800 eV – observation of the Quasi Free Mechanism. Journal of Physics: Conference Series, 2014, 488, 022007. | 0.3 | 0 |
| 65 | 2D momentum distribution of electron in transfer ionization of helium atom by fast proton. Journal of Physics: Conference Series, 2014, 488, 082002. | 0.3 | 0 |
| 66 | Understanding the role of phase in chemical bond breaking with coincidence angular streaking. Nature Communications, 2013, 4, 2177. | 5.8 | 64 |
| 67 | Momentum Transfer to a Free Floating Double Slit: Realization of a Thought Experiment from the Einstein-Bohr Debates. Physical Review Letters, 2013, 111, 103201. | 2.9 | 22 |
| 68 | Ion-impact-induced interatomic Coulombic decay in neon and argon dimers. Physical Review A, 2013, 88, . | 1.0 | 37 |
| 69 | Transfer ionization and its sensitivity to the ground-state wave function. Physical Review A, 2013, 87, . | 1.0 | 14 |
| 70 | Two-dimensional electron-momentum distributions for transfer ionization in fast proton-helium collisions. Physical Review A, 2013, 88, . | 1.0 | 10 |
| 71 | Controlling Low-Energy Electron Emission via Resonant-Augur-Induced Interatomic Coulombic Decay. Journal of Physical Chemistry Letters, 2013, 4, 1838-1842. | 2.1 | 30 |
| 72 | Ejection of Quasi-Free-Electron Pairs from the Helium-Atom Ground State by Single-Photon Absorption. Physical Review Letters, 2013, 111, 013003. | 2.9 | 43 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Direct Determination of Absolute Molecular Stereochemistry in Gas Phase by Coulomb Explosion Imaging. <i>Science</i> , 2013, 341, 1096-1100. | 6.0 | 234 |
| 74 | Optimization of single-cycle terahertz generation in LiNbO ₃ for sub-50 femtosecond pump pulses. <i>Optics Express</i> , 2013, 21, 6826. | 1.7 | 36 |
| 75 | Probing the influence of the Coulomb field on atomic ionization by sculpted two-color laser fields. <i>New Journal of Physics</i> , 2013, 15, 043050. | 1.2 | 24 |
| 76 | Evolution of Interatomic Coulombic Decay in the Time Domain. <i>Physical Review Letters</i> , 2013, 111, 093401. | 2.9 | 64 |
| 77 | Observation of Electron Energy Discretization in Strong Field Double Ionization. <i>Physical Review Letters</i> , 2013, 111, 113003. | 2.9 | 32 |
| 78 | Vibrationally Resolved Decay Width of Interatomic Coulombic Decay in HeNe. <i>Physical Review Letters</i> , 2013, 111, 233004. | 2.9 | 53 |
| 79 | Path-selective investigation of intense laser-pulse-induced fragmentation dynamics in triply charged 1,3-butadiene. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 085603. | 0.6 | 25 |
| 80 | Momentum spectrometer for electron-electron coincidence studies on superconductors. <i>Review of Scientific Instruments</i> , 2012, 83, 103905. | 0.6 | 11 |
| 81 | Spatial Imaging of the $\langle \mathbf{H} \rangle$ Vibrational Wave Function at the Quantum Limit. <i>Physical Review Letters</i> , 2012, 108, 073202. | 2.9 | 58 |
| 82 | Interatomic Coulombic decay of fixed-in-space neon dimers. <i>Physical Review A</i> , 2012, 85, . | 1.0 | 8 |
| 83 | Imaging Polyatomic Molecules in Three Dimensions Using Molecular Frame Photoelectron Angular Distributions. <i>Physical Review Letters</i> , 2012, 108, 233002. | 2.9 | 62 |
| 84 | Multi-fragment vector correlation imaging. A search for hidden dynamical symmetries in many-particle molecular fragmentation processes. <i>Molecular Physics</i> , 2012, 110, 1863-1872. | 0.8 | 6 |
| 85 | Probing the dynamics of dissociation of methane following core ionization using three-dimensional molecular-frame photoelectron angular distributions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 194003. | 0.6 | 27 |
| 86 | Strong field double ionization of Helium with ultra short circularly polarized light pulses. <i>Journal of Physics: Conference Series</i> , 2012, 388, 032071. | 0.3 | 0 |
| 87 | Quasi free mechanism in single photon double ionization of Helium. <i>Journal of Physics: Conference Series</i> , 2012, 388, 022021. | 0.3 | 0 |
| 88 | Electron diffraction self imaging of molecular fragmentation in two step double ionization of water. <i>Journal of Physics: Conference Series</i> , 2012, 388, 022029. | 0.3 | 0 |
| 89 | Double Auger Emission of fixed-in-space Carbon Monoxide following Core-Excitation and Ionization. <i>Journal of Physics: Conference Series</i> , 2012, 388, 022066. | 0.3 | 0 |
| 90 | Dissociative Photoionization of Methane at the Carbon K-edge. <i>Journal of Physics: Conference Series</i> , 2012, 388, 022085. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Transfer ionization in swift D+on H2collisions – dependence of the electron emission on the internuclear distance. Journal of Physics: Conference Series, 2012, 388, 102030. | 0.3 | 0 |
| 92 | Controlling and reading interference structures created by strong field ionizing attosecond electron wave packets. Journal of Physics: Conference Series, 2012, 388, 032059. | 0.3 | 0 |
| 93 | High energy proton ejection from hydrocarbon molecules driven by highly efficient field ionization. Journal of Physics: Conference Series, 2012, 388, 032063. | 0.3 | 1 |
| 94 | Calculated and measured angular correlation between photoelectrons and Auger electrons from K-shell ionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 175001. | 0.6 | 5 |
| 95 | Observing the influence of the Coulomb binding potential on momentum spectra of strong-field driven electronic wave packets. Journal of Physics: Conference Series, 2012, 388, 032060. | 0.3 | 0 |
| 96 | Attosecond-Recollision-Controlled Selective Fragmentation of Polyatomic Molecules. Physical Review Letters, 2012, 109, 243001. | 2.9 | 136 |
| 97 | Attosecond Probe of Valence-Electron Wave Packets by Subcycle Sculpted Laser Fields. Physical Review Letters, 2012, 108, 193004. | 2.9 | 131 |
| 98 | Strongly Enhanced Backward Emission of Electrons in Transfer and Ionization. Physical Review Letters, 2012, 108, 043202. | 2.9 | 18 |
| 99 | Electron transfer in fast proton-helium collisions. Physical Review A, 2012, 85, . | 1.0 | 35 |
| 100 | High Energy Proton Ejection from Hydrocarbon Molecules Driven by Highly Efficient Field Ionization. Physical Review Letters, 2011, 106, 163001. | 2.9 | 52 |
| 101 | Carbon K-shell photoionization of CO: Molecular frame angular distributions of normal and conjugate shakeup satellites. Journal of Electron Spectroscopy and Related Phenomena, 2011, 183, 48-52. | 0.8 | 11 |
| 102 | Matter wave optics perspective at molecular photoionization: K-shell photoionization and Auger decay of N ₂ . New Journal of Physics, 2011, 13, 095013. | 1.2 | 17 |
| 103 | Dynamic modification of the fragmentation of autoionizing states of O ₂ ⁺ . Physical Review A, 2011, 84, . | 1.0 | 15 |
| 104 | Interatomic Coulombic decay following Ne $\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle\text{mml:mrow}>\langle\text{mml:mn}>1\langle\text{mml:mn}>\langle\text{mml:mi}>s\langle\text{mml:mi}>\langle\text{mml:mrow}>\langle\text{mml:math}>\text{Auger decay in NeAr. Physical Review A, 2011, 83, .$ | 1.0 | 34 |
| 105 | Electron Diffraction Self-Imaging of Molecular Fragmentation in Two-Step Double Ionization of Water. Physical Review Letters, 2011, 106, 133001. | 2.9 | 24 |
| 106 | Ionization Dynamics of Helium Dimers in Fast Collisions with $\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle\text{mml:msup}>\langle\text{mml:mi}>\text{He}\langle\text{mml:mi}>\langle\text{mml:mo}>+\langle\text{mml:mo}>\langle\text{mml:msup}>\langle\text{mml:math}>.$ | 2.9 | 39 |
| 107 | Electron-Transfer-Mediated Decay and Interatomic Coulombic Decay from the Triply Ionized States in Argon Dimers. Physical Review Letters, 2011, 106, 033401. | 2.9 | 70 |
| 108 | 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. | 3.3 | 53 |

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|-----|---|-----|-----------|
| 109 | Dynamic modification of the fragmentation of CO^+ states generated with high-order harmonics. Physical Review A, 2010, 82, . | 1.0 | 11 |
| 110 | Hydrogen migration and C-C bond breaking in 1,3-butadiene in intense laser fields studied by coincidence momentum imaging. Chemical Physics Letters, 2010, 484, 119-123. | 1.2 | 22 |
| 111 | Ultrafast energy transfer between water molecules. Nature Physics, 2010, 6, 139-142. | 6.5 | 271 |
| 112 | Single Photon Double Ionization of the Helium Dimer. Physical Review Letters, 2010, 104, 153401. | 2.9 | 35 |
| 113 | Interatomic Coulombic Decay following Photoionization of the Helium Dimer: Observation of Vibrational Structure. Physical Review Letters, 2010, 104, 133401. | 2.9 | 107 |
| 114 | Angular distributions of photoelectrons and interatomic-Coulombic-decay electrons from helium dimers: Strong dependence on the internuclear distance. Physical Review A, 2010, 82, . | 1.0 | 14 |
| 115 | Auger decay of CO^+ states. Physical Review A, 2010, 81, . | 1.0 | 19 |
| 116 | Auger decay of CO^+ states of fixed-in-space. Physical Review A, 2010, 81, . | 1.0 | 20 |
| 117 | Tracing direct and sequential two-photon double ionization of CO^+ in femtosecond extreme-ultraviolet laser pulses. Physical Review A, 2010, 81, . | 1.0 | 7 |
| 118 | Formation of inner-shell autoionizing CO^+ states below the CO_2^+ threshold. Physical Review A, 2010, 81, . | 1.0 | 37 |
| 119 | Fragmentation Dynamics of CO_2^+ by Multiple Electron Capture in Collisions with Slow Highly Charged Ions. Physical Review Letters, 2010, 104, 103201. | 2.9 | 127 |
| 120 | Angular scattering in fast ion-atom electron transfer collisions: projectile wave diffraction and Thomas mechanisms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 185209. | 0.6 | 23 |
| 121 | Differential cross sections for non-sequential double ionization of He by 52 eV photons from the Free Electron Laser in Hamburg, FLASH. New Journal of Physics, 2010, 12, 073035. | 1.2 | 59 |
| 122 | Separation of Auger transitions into different repulsive states after K-shell photoionization of N_2 molecules. Physical Review A, 2009, 80, . | 1.0 | 17 |
| 123 | Photo- and Auger-Electron Recoil Induced Dynamics of Interatomic Coulombic Decay. Physical Review Letters, 2009, 103, 033001. | 2.9 | 35 |
| 124 | Angular Correlation between Photoelectrons and Auger Electrons from K-Shell Ionization of Neon. Physical Review Letters, 2009, 102, 223001. | 2.9 | 27 |
| 125 | Collision dynamics in electron-capture processes with excitation. Physical Review A, 2009, 80, . | 1.0 | 24 |

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|-----|--|-----|-----------|
| 127 | <p>Single selective differential cross sections for single and double electron capture in He^+.</p> <p>Physical Review A, 2009, 79, .</p> | 1.0 | 69 |
| 128 | <p>Photoelectron and Auger-electron angular distributions of fixed-in-space CO_2.</p> <p>Physical Review A, 2009, 80, .</p> | 1.0 | 18 |
| 129 | <p>Two-center double capture interference in fast He^+ collisions.</p> <p>Physical Review Letters, 2009, 102, 153201.</p> | 2.9 | 36 |
| 130 | <p>EUV-photon-induced multiple ionization and fragmentation dynamics: from atoms to molecules.</p> <p>Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 134012.</p> | 0.6 | 15 |
| 131 | <p>Two-photon double ionization of Ne by free-electron laser radiation: a kinematically complete experiment.</p> <p>Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 141002.</p> | 0.6 | 87 |
| 132 | <p>Single photon double ionization of H_2 by circularly polarized photons at a photon energy of 160 eV.</p> <p>European Physical Journal: Special Topics, 2009, 169, 109-116.</p> | 1.2 | 3 |
| 133 | <p>Core-Hole Screening as a Probe for a Metal-to-Nonmetal Transition in Lead Clusters.</p> <p>Physical Review Letters, 2009, 102, 138303.</p> | 2.9 | 69 |
| 134 | <p>Few-Photon Multiple Ionization of N_2 by Extreme Ultraviolet Free-Electron Laser Radiation.</p> <p>Physical Review Letters, 2009, 102, 123002.</p> | 2.9 | 62 |
| 135 | <p>Kinematically complete imaging of the three-body break up of CO_2^{3+} created by slow highly charged ion impact.</p> <p>Journal of Physics: Conference Series, 2009, 194, 102025.</p> | 0.3 | 2 |
| 136 | <p>K-shell photoionization of N_2: Angular resolved molecular frame photoelectron Auger electron coincidence spectra.</p> <p>Journal of Physics: Conference Series, 2009, 194, 022063.</p> | 0.3 | 0 |
| 137 | <p>Interatomic Coulombic decay following the Auger decay: Experimental evidence in rare-gas dimers.</p> <p>Journal of Electron Spectroscopy and Related Phenomena, 2008, 166-167, 3-10.</p> | 0.8 | 22 |
| 138 | <p>Attosecond angular streaking.</p> <p>Nature Physics, 2008, 4, 565-570.</p> | 6.5 | 410 |
| 139 | <p>Ultrafast Probing of Core Hole Localization in N_2.</p> <p>Science, 2008, 320, 920-923.</p> | 6.0 | 168 |
| 140 | <p>Fragmentation pathways for selected electronic states of the acetylene dication.</p> <p>Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 091001.</p> | 0.6 | 42 |
| 141 | <p>Evidence of interatomic Coulombic decay in ArKr after Ar 2p Auger decay.</p> <p>Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 025101.</p> | 0.6 | 25 |
| 142 | <p>Interference in the Collective Electron Momentum in Double Photoionization of H_2.</p> <p>Physical Review Letters, 2008, 100, 133005.</p> | 2.9 | 59 |
| 143 | <p>Young-Type Interference in Collisions between Hydrogen Molecular Ions and Helium.</p> <p>Physical Review Letters, 2008, 101, 173202.</p> | 2.9 | 59 |
| 144 | <p>Photo-double-ionization of H_2: Two-center interference and its dependence on the internuclear distance.</p> <p>Physical Review A, 2008, 78, .</p> | 1.0 | 27 |

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|-----|--|-----|-----------|
| 145 | Dynamics of two-electron photoemission from Cu(111). Physical Review B, 2008, 77, . | 1.1 | 22 |
| 146 | Recoil-Ion Momentum Distributions for Two-Photon Double Ionization of He and Ne by 44ÅeV Free-Electron Laser Radiation. Physical Review Letters, 2008, 101, 073003. Relaxation processes following $\langle \text{mml:mrow} \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{photoionization and Auger decay in} \langle \text{mml:math} \text{ xmlns:mml=} \text{"http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{. Physical Review A, 2008, 78, .}$ | 2.9 | 132 |
| 147 | $\langle \text{mml:mrow} \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{photoionization and Auger decay in} \langle \text{mml:math} \text{ xmlns:mml=} \text{"http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{. Physical Review A, 2008, 78, .}$ | 1.0 | 61 |
| 148 | Localization of inner-shell photoelectron emission and interatomic Coulombic decay in Ne ₂ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 101002. | 0.6 | 49 |
| 149 | Orientation and impact-parameter dependence of dissociative ionization of H ₂ by slow ion impact. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 3467-3475. | 0.6 | 2 |
| 150 | Photoelectron and ICD electron angular distributions from fixed-in-space neon dimers. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 2597-2606. | 0.6 | 25 |
| 151 | Dynamics of electron-capture-to-continuum (ECC) formation in slow ion-atom collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 1745-1753. | 0.6 | 9 |
| 152 | Experimental Separation of Virtual Photon Exchange and Electron Transfer in Interatomic Coulombic Decay of Neon Dimers. Physical Review Letters, 2007, 99, 153401. | 2.9 | 66 |
| 153 | Binary and Recoil Collisions in Strong Field Double Ionization of Helium. Physical Review Letters, 2007, 99, 263002. | 2.9 | 255 |
| 154 | Few-Photon Multiple Ionization of Ne and Ar by Strong Free-Electron-Laser Pulses. Physical Review Letters, 2007, 98, 203001. | 2.9 | 145 |
| 155 | Attosecond Strobing of Two-Surface Population Dynamics in Dissociating H ₂ ⁺ . Physical Review Letters, 2007, 98, 073003. | 2.9 | 128 |
| 156 | CzaschetÅal.Reply:. Physical Review Letters, 2007, 98, . | 2.9 | 0 |
| 157 | Imaging of continuum states of the He ₂ ²⁺ quasimolecule. Physical Review A, 2007, 76, . | 1.0 | 16 |
| 158 | Single Photon-Induced Symmetry Breaking of H ₂ Dissociation. Science, 2007, 315, 629-633. | 6.0 | 185 |
| 159 | The Simplest Double Slit: Interference and Entanglement in Double Photoionization of H ₂ . Science, 2007, 318, 949-952. | 6.0 | 216 |
| 160 | Probing superheavy quasimolecular collisions with incoming inner shell vacancies. Nuclear Instruments & Methods in Physics Research B, 2006, 245, 56-60. | 0.6 | 11 |
| 161 | Spectroscopy of superheavy quasimolecules. Radiation Physics and Chemistry, 2006, 75, 2014-2018. | 1.4 | 8 |
| 162 | Nondipole effects in the angular distribution of photoelectrons from the K-shell of the CO molecule. Physical Review A, 2006, 73, . | 1.0 | 17 |

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|-----|---|-----|-----------|
| 163 | 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. | 0.6 | 33 |
| 164 | Photo induced multiple fragmentation of atoms and molecules: Dynamics of Coulombic many-particle systems studied with the COLTRIMS reaction microscope. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 347, 95-102. | 0.9 | 10 |
| 165 | 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. | 0.6 | 7 |
| 166 | Charge exchange and X-ray emission in 70MeV/u Bi+Au collisions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 235, 309-314. | 0.6 | 13 |
| 167 | Photo double ionization of helium 100 eV and 450 eV above threshold: II. Circularly polarized light. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 635-643. | 0.6 | 7 |
| 168 | Photo double ionization of helium 100 eV and 450 eV above threshold: I. Linearly polarized light. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 615-633. | 0.6 | 17 |
| 169 | Photo double ionization of helium 100 eV and 450 eV above threshold: III. Gerade and ungerade amplitudes and their relative phases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 645-657. | 0.6 | 15 |
| 170 | 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. | 2.9 | 27 |
| 171 | Transfer ionization process $sp+He^{\dagger}H^{\dagger}O+He^{2++}e^{\sim}$ with the ejected electron detected in the plane perpendicular to the incident beam direction. <i>Physical Review A</i> , 2005, 71, . | 1.0 | 29 |
| 172 | Fully Differential Study of Transfer Ionization Processes? a View into Correlated Many Particle Dynamics. <i>Physica Scripta</i> , 2004, 110, 379. | 1.2 | 13 |
| 173 | Experimental Observation of Interatomic Coulombic Decay in Neon Dimers. <i>Physical Review Letters</i> , 2004, 93, 163401. | 2.9 | 281 |
| 174 | Fully Differential Rates for Femtosecond Multiphoton Double Ionization of Neon. <i>Physical Review Letters</i> , 2004, 92, 213002. | 2.9 | 131 |
| 175 | Vibrationally Resolved K-shell Photoionization of CO with Circularly Polarized Light. <i>Physical Review Letters</i> , 2004, 93, 083002. | 2.9 | 63 |
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