

Invited Review Articles:

2. Time-resolved studies of Interatomic Coulombic Decay

U. Fröhling, F. Trinter, F. Karimi, J. B. Williams, and T. Jahnke
J. Elec. Spec. Rel. Phen., with referees (2015)

1. Interatomic and Intermolecular Coulombic Decay: The Coming of Age Story

T. Jahnke
J. Phys. B48, 082001 (2015)

Peer-Reviewed Publications as of March 2015

Total: 113, Nature/Science/Nat. Phys./PNAS: 12, Phys. Rev. Lett.: 33

113. Streaking temporal double slit interference by an orthogonal two-color laser field

Martin Richter, Maksim Kunitski, Markus Schöffler, Till Jahnke, Lothar P.H. Schmidt, Min Li, Yunquan Liu, and Reinhard Dörner
Phys. Rev. Lett., accepted for publication (2015)

112. Observation of the Efimov state of the helium trimer

M. Kunitski, S. Zeller, J. Voigtsberger, A. Kalinin, L. Ph. H. Schmidt, M. Schöffler, A. Czasch, W. Schöllkopf, R. E. Grisenti, T. Jahnke, D. Blume, and R. Dörner.
SCIENCE, accepted for publication (2015)

111. Time-resolved studies of Interatomic Coulombic Decay

U. Fröhling, F. Trinter, F. Karimi, J. B. Williams, and T. Jahnke.
J. Elec. Spec. Rel. Phen., with referees (2015)

110. Interatomic and Intermolecular Coulombic Decay: The Coming of Age Story

T. Jahnke.
J. Phys. B48, 082001 (2015)

109. A molecule without a shape: Imaging the structure of the trimer systems $^4\text{He}_3$ and $^3\text{He}^4\text{He}_2$

J. Voigtsberger, S. Zeller, J. Becht, N. Neumann, F. Sturm, H.-K. Kim, M. Waitz, F. Trinter, M. Kunitski, A. Kalinin, J. Wu, W. Schöllkopf, D. Bressanini, A. Czasch, J. B. Williams, K. Ullmann-Pfleger, L. Ph. H. Schmidt, M. S. Schöffler, R. E. Grisenti, T. Jahnke, and R. Dörner.
Nature Communications 5, 5765 (2014)

108. Detecting ultrafast interatomic electronic processes in media by fluorescence

A. Knie, A. Hans, M. Förstel, U. Hergenhahn, P. Schmidt, P. Reiß, C. Ozga, B. Kambs, F. Trinter, J. Voigtsberger, D. Metz, T. Jahnke, R. Dörner, A. I. Kuleff, L. S Cederbaum, P. V Demekhin, and A. Ehresmann.
New J. Phys. 16, 102002 (2014)

107. Interatomic-Coulombic-decay-induced recapture of photoelectrons in helium dimers

P. Burzynski, F. Trinter, J. B. Williams, M. Weller, M. Waitz, M. Pitzer, J. Voigtsberger, C. Schober, G. Kastirke, C. Müller, C. Gohl, F. Wiegandt, R. Wallauer, A. Kalinin, L. Ph. H. Schmidt, M. Schöffler, G. Schiwietz, N. Sisourat, T. Jahnke, and R. Dörner
Phys. Rev. A90, 022515 (2014)

106. Ab initio calculation of ICD widths in photoexcited HeNe

G. Jabbari, S. Klaiman, Y.-C. Chiang, F. Trinter, T. Jahnke and K. Gokhberg
J. Chem. Phys. 140, 224305 (2014)

105. Multielectron effects in strong-field dissociative ionization of molecules

X. Gong, M. Kunitski, K. J. Betsch, Q. Song, L. Ph. H. Schmidt, T. Jahnke, Nora G. Kling, O. Herrwerth, B. Bergues, A. Senftleben, J. Ullrich, R. Moshhammer, G. G. Paulus, I. Ben-Itzhak, M. Lezius, M. F. Kling, H. Zeng, R. R. Jones, and J. Wu
Phys. Rev. A89, 043429 (2014)

104. Absolute cross sections for photoionization of Xe^{q+} ions ($1 \leq q \leq 5$) at the 3d ionization threshold

S. Schippers, S. Ricz, T. Buhr, A. Borovik Jr., J. Hellhund, K. Holste, K. Huber, H.-J. Schäfer, D. Schury, S. Klumpp, K. Mertens, M. Martins, R. Flesch, G. Ulrich, E. Rühl, T. Jahnke, J. Lower, D. Metz, L. P. H. Schmidt, M. Schöffler, J. B. Williams, L. Glaser, F. Scholz, J. Seltmann, J. Viefhaus, A. Dorn, A. Wolf, J. Ullrich, and A. Müller
J. Phys. B, accepted for publication (2014)

103. Hydrogen and fluorine migration in photo-double-ionization of 1,1-difluoroethylene (1,1- $C_2H_2F_2$) near and above threshold

B. Gaire, I. Bocharova, F. P. Sturm, N. Gehrken, J. Rist, H. Sann, M. Kunitski, J. Williams, M. S. Schöffler, T. Jahnke, B. Berry, M. Zohrabi, M. Keiling, A. Moradmand, A. L. Landers, A. Belkacem, R. Dörner, I. Ben-Itzhak, and Th. Weber
Phys. Rev. A89, 043423 (2014)

102. Transfer excitation reactions in fast proton-helium collisions

M. S. Schöffler, H.-K. Kim, O. Chuluunbaatar, S. Houamer, A. G. Galstyan, J. N. Titze, T. Jahnke, L. Ph. H. Schmidt, H. Schmidt-Böcking, R. Dörner, Yu. V. Popov, and A. A. Bulychev
Phys. Rev. A89, 032707 (2014)

101. Electron emission from H_2^+ in strong laser fields

M. Odenweller, J. Lower, K. Pahl, M. Schütt, J. Wu, K. Cole, A. Vredenburg, L. Ph. Schmidt, N. Neumann, J. Titze, T. Jahnke, M. Meckel, M. Kunitski, T. Havermeier, S. Voss, M. Schöffler, H. Sann, J. Voigtsberger, H. Schmidt-Böcking, and R. Dörner
Phys. Rev. A89, 013424 (2014)

100. Orientation dependence in multiple ionization of He_2 and Ne_2 induced by fast, highly charged ions: Probing the impact-parameter-dependent ionization probability in 11.37 MeV/u S^{14+} collisions with He and Ne

H.-K. Kim, H. Gassert, J. N. Titze, M. Waitz, J. Voigtsberger, F. Trinter, J. Becht, A. Kalinin, N. Neumann, C. Zhou, L. Ph. H. Schmidt, O. Jagutzki, A. Czasch, M. Schöffler, H. Merabet, H. Schmidt-Böcking, T. Jahnke, H. J. Lüdde, A. Cassimi, and R. Dörner
Phys. Rev. A89, 022704 (2014)

99. Photo-double-ionization of ethylene and acetylene near threshold

B. Gaire, S. Y. Lee, D. J. Haxton, P. M. Pelz, I. Bocharova, F. P. Sturm, N. Gehrken, M. Honig, M. Pitzer, D. Metz, H.-K. Kim, M. Schöffler, R. Dörner, H. Gassert, S. Zeller, J. Voigtsberger, W. Cao, M. Zohrabi, J. Williams, A. Gatton, D. Reedy, C. Nook, Thomas Müller, A. L. Landers, C. L. Cocke, I. Ben-Itzhak, T. Jahnke, A. Belkacem, and Th. Weber
Phys. Rev. A89, 013403 (2014)

98. Experimental Proof of Resonant Auger Decay Driven Intermolecular Coulombic Decay

F. Trinter, M. S. Schöffler, H.-K. Kim, F. Sturm, K. Cole, N. Neumann, A. Vredenburg, J. Williams, I. Bocharova, R. Guillemin, M. Simon, A. Belkacem, A. L. Landers, Th. Weber, H. Schmidt-Böcking, R. Dörner, T. Jahnke.
Nature, 505, 664 (2014)

97. Vibrationally resolved decay width of Interatomic Coulombic Decay in HeNe

F. Trinter, J. B. Williams, M. Weller, M. Waitz, M. Pitzer, J. Voigtsberger, C. Schober, G. Kastirke, C. Müller, C. Goihl, P. Burzynski, F. Wiegandt, R. Wallauer, A. Kalinin, L. Ph. H. Schmidt, M. S. Schöffler, Y.C. Chiang, K. Gokhberg, T. Jahnke, and R. Dörner
Phys. Rev. Lett. 111, 233004 (2013)

96. Ion-impact-induced interatomic Coulombic decay in neon and argon dimers

H.-K. Kim, I. H. Gassert, M. S. Schöffler, J. N. Titze, M. Waitz, J. Voigtsberger, F. Trinter, J. Becht, A. Kalinin, N. Neumann, C. Zhou, L. Ph. H. Schmidt, O. Jagutzki, A. Czasch, H. Merabet, H. Schmidt-Böcking, T. Jahnke, A. Cassimi, and R. Dörner
Phys. Rev. A 88, 042707 (2013)

95. Two-dimensional electron-momentum distributions for transfer ionization in fast proton-helium collisions

M. S. Schöffler, O. Chuluunbaatar, S. Houamer, A. Galstyan, J. N. Titze, L. Ph. H. Schmidt, T. Jahnke, H. Schmidt-Böcking, R. Dörner, Yu. V. Popov, A. A. Gusev, and C. Dal Cappello.
Phys. Rev. A 88, 042710 (2013)

94. Observation of Electron Energy Discretization in Strong Field Double Ionization

K. Henrichs, M. Waitz, F. Trinter, H. Kim, A. Menssen, H. Gassert, H. Sann, T. Jahnke, J. Wu, M. Pitzer, M. Richter, M. S. Schöffler, M. Kunitski and R. Dörner
Phys. Rev. Lett., 111, 113003 (2013)

93. Evolution of Interatomic Coulombic Decay in the Time Domain

F. Trinter, J. B. Williams, M. Weller, M. Waitz, M. Pitzer, J. Voigtsberger, C. Schober, G. Kastirke, C. Müller, C. Goihl, P. Burzynski, F. Wiegandt, T. Bauer, R. Wallauer, H. Sann, A. Kalinin, L. Ph. H. Schmidt, M. Schöffler, N. Sisourat, T. Jahnke
Phys. Rev. Lett., 111, 093401 (2013)

92. Strong field multiple ionization as a route to electron dynamics in a van der Waals cluster

J. Wu, X. Gong, M. Kunitski, F.K. Amankona-Diawuo, L. Ph. H. Schmidt, T. Jahnke, A. Czasch, T. Seideman, R. Dörner.
Phys. Rev. Lett., 111, 083003 (2013)

91. Electron-Nuclear Energy Sharing in Above-Threshold Multiphoton Dissociative Ionization of H₂

J. Wu, M. Kunitski, M. Pitzer, F. Trinter, L. Ph. H. Schmidt, T. Jahnke, M. Magrakvelidze, C. B. Madsen, L. B. Madsen, U. Thumm, and R. Dörner.
Phys. Rev. Lett., 111, 023002 (2013)

90. Direct Determination of Absolute Molecular Stereochemistry in Gas Phase by Coulomb Explosion Imaging

Martin Pitzer, Maksim Kunitski, Allan S. Johnson, Till Jahnke, Hendrik Sann, Felix Sturm, Lothar Ph. H. Schmidt, Horst Schmidt-Böcking, Reinhard Dörner, Jürgen Stohner, Julia Kiedrowski, Michael Reggelin, Sebastian Marquardt, Alexander Schießer, Robert Berger, and Markus S. Schöffler
Science, 341, 1096 (2013)

89. Momentum transfer to a free floating double slit: Realization of a thought experiment from the Einstein-Bohr debates

L. Ph. H. Schmidt, J. Lower, T. Jahnke, S. Schöblier, M. Schöffler, A. Menssen, C. Lévêque, N. Sisourat, R. Taïeb, H. Schmidt-Böcking, and R. Dörner
Phys. Rev. Lett., 111, 103201 (2013)

88. Simultaneous probing of geometry and orbital of ArCO by Coulomb explosion imaging and angular dependent tunneling rates

X. Gong, M. Kunitski, L. Ph. H. Schmidt, T. Jahnke, A. Czasch, R. Dörner, and J. Wu
Phys. Rev. A88, 013422 (2013).

87. Understanding the role of phase in chemical bond breaking with coincidence angular streaking

J. Wu, M. Magrakvelidze, L. Ph. H. Schmidt, M. Kunitski, T. Pfeifer, M. Schöffler, M. Pitzer, M. Richter, S. Voss, H. Sann, H. Kim, J. Lower, T. Jahnke, A. Czasch, U. Thumm, and R. Dörner
Nature Communications, 4, 2177 (2013)

86. Ejection of Quasi-Free-Electron Pairs from the Helium-Atom Ground State by Single-Photon Absorption

M. S. Schöffler, C. Stuck, M. Waitz, F. Trinter, T. Jahnke, U. Lenz, M. Jones, A. Belkacem, A.L. Landers, M.S. Pindzola, C.L. Cocke, J. Colgan, A. Kheifets, I. Bray, H. Schmidt-Böcking, R. Dörner, and Th. Weber
Phys. Rev. Lett., 111, 013003 (2013)

85. Transfer ionization and its sensitivity to the ground-state wave function

M. S. Schöffler, O. Chuluunbaatar, Yu. V. Popov, S. Houamer, J. Titze, T. Jahnke, L. Ph. H. Schmidt, O. Jagutzki, A. G. Galstyan, A. A. Gusev
Phys. Rev. A87, 032715 (2013)

84. Optimization of single-cycle terahertz generation in LiNbO₃ for sub-50 femtosecond pump pulses

M. Kunitski, M. Richter, M. D. Thomson, A. Vredenberg, J. Wu, T. Jahnke, M. Schöffler, H. Schmidt-Böcking, H. G. Roskos, and R. Dörner
Optics Express, Vol. 21, No. 6, 6806 (2013)

83. Comparison of dissociative ionization of H₂, N₂, Ar₂, and CO by elliptically polarized two-color pulses

J. Wu, A. Vredenberg, L. Ph. H. Schmidt, T. Jahnke, A. Czasch, and R. Dörner
Phys. Rev. A87, 023406 (2013)

82. Steering the Nuclear Motion in Singly Ionized Argon Dimers with Mutually Detuned Laser Pulses

J. Wu, M. Magrakvelidze, A. Vredenberg, L. Ph. H. Schmidt, T. Jahnke, A. Czasch, R. Dörner, and U. Thumm
Phys. Rev. Lett., 1110, 033005 (2013)

81. Momentum spectrometer for electron-electron coincidence studies on superconductors

R. Wallauer, S. Voss, L. Foucar, T. Bauer, D. Schneider, J. Titze, B. Ulrich, K. Kreidi, N. Neumann, T. Havermeier, M. Schöffler, T. Jahnke, A. Czasch, L. Schmidt, A. Kanigel, J. C. Campuzano, H. Jeschke, R. Valenti, A. Müller, G. Berner, M. Sing, R. Claessen, H. Schmidt-Böcking, and R. Dörner
Rev. Sci. Instrum., 83, 103905 (2012)

80. Multi-fragment vector correlation imaging. A search for hidden dynamical symmetries in many-particle molecular fragmentation processes

F. Trinter, L. Ph. H. Schmidt, T. Jahnke, M. S. Schöffler, O. Jagutzki, A. Czasch, J. Lower, T. A. Isaev, R. Berger, A. L. Landers, Th. Weber, R. Dörner & H. Schmidt-Böcking
Molecular Physics, Vol. 110, Nos. 15-16, 1863-1872 (2012)

79. Probing the Dynamics of Dissociation of Methane Following Core Ionization Using Three-Dimensional Molecular Frame Photoelectron Angular Distributions

J.B. Williams, C.S. Trevisan, M.S. Schoeffler, T. Jahnke, I. Bocharova, H. Kim, B. Ulrich, R. Wallauer, F. Sturm, T.N. Rescigno, A. Belkacem, R. Doerner, Th. Weber, C.W. McCurdy, and A.L. Landers
J. Phys. B: At. Mol. Opt. Phys., 45, 194003 (2012)

78. Probing the tunneling site of electrons in strong field enhanced ionization of molecules

J. Wu, M. Meckel, L. Ph. H. Schmidt, M. Kunitski, S. Voss, H. Sann, H. Kim, T. Jahnke, A. Czasch, and R. Dörner
Nature Com. 3, 1113 (2012)

77. Structures of N₂Ar, O₂Ar, and O₂Xe dimers studied by Coulomb explosion imaging

J. Wu, M. Kunitski, L. Ph. H. Schmidt, T. Jahnke, and R. Dörner
J. Chem. Phys., 137, 104308 (2012)

76. Calculated and measured angular correlation between photoelectrons and Auger electrons from K-shell ionization

F. Robicheaux, M. P. Jones, M. Schöffler, T. Jahnke, K. Kreidi, J. Titze, C. Stuck, R. Dörner, A. Belkacem, Th. Weber and A. L. Landers
J. Phys. B45. 175001 (2012)

75. Imaging polyatomic molecules in three dimensions using molecular frame photoelectron angular distributions

J. B. Williams, C. S. Trevisan, M. S. Schöffler, T. Jahnke, I. Bocharova, H. Kim, B. Ulrich, R. Wallauer, F. Sturm, T. N. Rescigno, A. Belkacem, R. Dörner, Th. Weber, C. W. McCurdy, and A.L. Landers
Phys. Rev. Lett., 108, 233002 (2012)

74. Multiorbital tunneling ionization of CO molecule

J. Wu, L. Ph.H. Schmidt, M Kunitski, M. Meckel, S. Voss, H. Sann, H. Kim, T. Jahnke, A. Czasch and R. Dörner
Phys. Rev. Lett., 108, 183001 (2012)

73. Interatomic Coulombic decay of fixed-in-space neon dimers

S. K. Semenov, K. Kreidi, T. Jahnke, Th. Weber, T. Havermeier, R. E. Grisenti, X. Liu, Y. Morisita, L. Ph. H. Schmidt, M. S. Schöffler, M. Odenweller, N. Neumann, L. Foucar, J. Titze, B. Ulrich, F. Sturm, H. K. Kim, K. Ueda, A. Czasch, O. Jagutzki, N. A. Cherepkov, and R. Dörner
Phys. Rev. A85, 0043421 (2012)

72. Electron transfer in fast proton-helium collisions

H.-K.. Kim, M. S. Schöffler, S. Houamer, O. Chuluunbaatar, J. N. Titze, L. Ph. H. Schmidt, T. Jahnke, H. Schmidt-Böcking, A. Galstyan, Yu. V. Popov, and R. Dörner
Electron transfer in fast proton-helium collisions
Phys. Rev. A85, 022707 (2012)

71. Spatial imaging of the H₂⁺ vibrational wave function at the quantum limit

L. Ph. H. Schmidt, T. Jahnke, A. Czasch, M. Schöffler, H. Schmidt-Böcking, and R. Dörner
Phys. Rev. Lett. 108, 073202 (2012)

70. Coulomb Asymmetry in Strong Field Multielectron Ionization of Diatomic Molecules

J. Wu, M. Meckel, S. Voss, H. Sann, M. Kunitski, L. Ph. H. Schmidt, A. Czasch, H. Kim, T. Jahnke, and R. Dörner
Phys. Rev. Lett., 108, 043002 (2012)

69. Dynamic modification of the fragmentation of autoionizing states of O₂⁺

W. Cao, G. Laurent, S. De, M. Schöffler, T. Jahnke, A. S. Alnaser, I. A. Bocharova, C. Stuck, D. Ray, M. F. Kling, I. Ben-Itzhak, Th. Weber, A. L. Landers, A. Belkacem, R. Dörner, A. E. Orel, T. N. Rescigno, and C. L. Cocke.
Phys. Rev. A84, 053406 (2011)

68. Strong Field Electron Emission from Fixed in Space H_2^+ Ions

M. Odenweller, N. Takemoto, A. Vredenburg, K. Cole, K. Pahl, J. Titze, L. Ph. H. Schmidt, T. Jahnke, R. Dörner, and A. Becker.
Phys. Rev. Lett. 107, 143004 (2011)

68. Imaging of the Structure of the Argon and Neon Dimer, Trimer, and Tetramer

B. Ulrich, A. Vredenburg, A. Malakzadeh, L. Ph. H. Schmidt, T. Havermeier M. Meckel, K. Cole, M. Smolarski, Z. Chang, T. Jahnke, and R. Dörner.
J. Phys. Chem. A, 115, 6936-6941 (2011)

67. Matter wave optics perspective at molecular photoionization: K-shell photoionization and Auger decay of N_2

M. S. Schöffler, T. Jahnke, J. Titze, N. Petridis, K. Cole, L. Ph. H. Schmidt, A. Czasch, O. Jagutzki, J. B. Williams, C. L. Cocke, T. Osipov, S. Lee, M. H. Prior, A. Belkacem, A. L. Landers, H. Schmidt-Böcking, R. Dörner, and Th. Weber.
New J. Phys. 13, 095013 (2011)

66. Enhanced production of low energy electrons by alpha particle impact

H.-K. Kim, J. Titze, M. Schöffler, F. Trinter, M. Waitz, J. Voigtsberger, H. Sann, M. Meckel, C. Stuck, U. Lenz, M. Odenweller, N. Neumann, S. Schössler, K. Ullmann-Pfleger, B. Ulrich, R. Costa Fraga, N. Petridis, D. Metz, A. Jung, R. Grisenti, A. Czasch, O. Jagutzki, L. Schmidt, T. Jahnke, H. Schmidt-Böcking, and R. Dörner.
Proceedings of the Nat. Academy of Sciences of the USA 108, 11821-11824 (2011)

65. Multiple recapture of electrons in multiple ionization of the argon dimer by a strong laser field

J. Wu, A. Vredenburg, B. Ulrich, L. Ph. H. Schmidt, M. Meckel, S. Voss, H. Sann, H. Kim, T. Jahnke, and R. Dörner
Phys. Rev. Lett. 107, 043003 (2011)

64. Nonadiabatic alignment of van derWaals-force-bound argon dimers by femtosecond laser pulses

J. Wu, A. Vredenburg, B. Ulrich, L. Ph. H. Schmidt, M. Meckel, S. Voss, H. Sann, H. Kim, T. Jahnke, and R. Dörner
Physical Review A83, 061403(R) (2011)

63. Ionization Dynamics of Helium Dimers in Fast Collisions with He^{++}

J. Titze, M. S. Schöffler, H.-K. Kim, F. Trinter, M. Waitz, J. Voigtsberger, N. Neumann, B. Ulrich, K. Kreidi, R. Wallauer, M. Odenweller, T. Havermeier, S. Schössler, M. Meckel, L. Foucar, T. Jahnke, A. Czasch, L. Ph. H. Schmidt, O. Jagutzki, R. E. Grisenti, H. Schmidt-Böcking, H. J. Lüdde, and R. Dörner
Phys. Rev. Lett. 106, 033201 (2011)

62. Electron diffraction self imaging of molecular fragmentation in two step double ionization of water

H. Sann, T. Jahnke, T. Havermeier, K. Kreidi, C. Stuck, M. Meckel, M. Schöffler, N. Neumann, R. Wallauer, S. Voss, A. Czasch, O. Jagutzki, Th. Weber, H. Schmidt-Böcking, S. Miyabe, D.J. Haxton, A.E. Orel, T.N. Rescigno and R. Dörner
Phys. Rev. Lett. 106, 133001 (2011)

61. Angular distributions of photoelectrons and interatomic-Coulombic-decay electrons from helium dimers: Strong dependence on the internuclear distance

T. Havermeier, K. Kreidi, R. Wallauer, S. Voss, M. Schöffler, S. Schössler, L. Foucar, N. Neumann, J. Titze, H. Sann, M. Kühnel, J. Voigtsberger, N. Sisourat, W. Schöllkopf, H. Schmidt-Böcking, R. E. Grisenti, R. Dörner, and T. Jahnke
Physical Review A82, 063405 (2010)

60. Interatomic electronic decay driven by nuclear motion

Nicolas Sisourat, Hendrik Sann, Nikolai V. Kryzhevoi, Premysl Kolorenc, Till Jahnke, Hong-Keun Kim, Tilo Havermeier, Felix Sturm, Reinhard Dörner, and Lorenz S. Cederbaum
Phys. Rev. Lett. 105, 173401 (2010)

59. Auger decay of $1\sigma_g$ and $1\sigma_u$ hole states of the N_2 molecule. II. Young-type interference of Auger electrons and its dependence on internuclear distance

N. A. Cherepkov, S. K. Semenov, M. S. Schöffler, J. Titze, N. Petridis, T. Jahnke, K. Cole, L. Ph. H. Schmidt, A. Czasch, D. Akoury, O. Jagutzki, J. B. Williams, T. Osipov, S. Lee, M. H. Prior, A. Belkacem, A. L. Landers, H. Schmidt-Böcking, R. Dörner, and Th. Weber
Physical Review. A82, 023420 (2010)

58. Double-ionization mechanisms of the argon dimer in intense laser fields

B. Ulrich, A. Vredenburg, A. Malakzadeh, M. Meckel, K. Cole, M. Smolarski, Z. Chang, T. Jahnke, and R. Dörner
Physical Review A, 82, 013412 (2010)

57. Investigating two-photon double ionization of D2 by XUV-pump–XUV-probe experiments

Y. H. Jiang, A. Rudenko, J. F. Pérez-Torres, O. Herrwerth, L. Foucar, M. Kurka, K. U. Kühnel, M. Toppin, E. Plésiat, F. Morales, F. Martin, M. Lezius, M. F. Kling, T. Jahnke, R. Dörner, J. L. Sanz-Vicario, J. van Tilborg, A. Belkacem, M. Schulz, K. Ueda, T. J. M. Zouros, S. Düsterer, R. Treusch, C. D. Schröter, R. Moshhammer, and J. Ullrich.
Physical Review A81, 051402(R) (2010)

56. Carbon K-shell Photo Ionization of CO: Molecular frame angular Distribution of normal and conjugate shake up Satellites

T. Jahnke, J. Titze, L. Foucar, R. Wallauer, T. Osipov, E. P. Benis, O. Jagutzki, W. Arnold, A. Czasch, A. Staudte, M. Schößler, A. Alnaser, T. Weber, M. H. Prior, H. Schmidt-Böcking, and R. Dörner.
JESRP 183,48-52 (2011)

55. Tracing direct and sequential two-photon double ionization of D-2 in femtosecond extreme-ultraviolet laser pulses

Jiang, Y. H., Rudenko, A., Plesiat, E., Foucar, L., Kurka, M., Kuehnel, K. U., Ergler, Th., Perez-Torres, J. F., Martin, F., Herrwerth, O., Lezius, M., Kling, M. F., Titze, J., Jahnke, T., Doerner, R., Sanz-Vicario, J. L., Schoeffler, M., van Tilborg, J., Belkacem, A., Ueda, K., Zouros, T. J. M., Duesterer, S., Treusch, R., Schroeter, C. D., Moshhammer, R., Ullrich, J.
Physical Review A, 81, 021401(R) (2010)

54. Ultra-long range energy transfer by Interatomic Coulombic Decay in an extreme quantum system

Nicolas Sisourat, Nikolai V. Kryzhevoi, Premysl Kolorenc, Simona Scheit, Till Jahnke and Lorenz S. Cederbaum
Nature Physics (2010), DOI:10.1038/nphys1685

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