

Xinhua Xie

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

1,488
citations

279798

23
h-index

315739

38
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120
all docs

120
docs citations

120
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast magnetic scattering on ferrimagnets enabled by a bright Yb-based soft x-ray source. <i>Optica</i> , 2022, 9, 399.	9.3	8
2	Polarization Dependence of Laser Induced inner-shell excitations. , 2022, , .		0
3	Polarization Dependence of Laser Induced inner-shell excitations. , 2021, , .		0
4	Quantitative retrieval of the angular dependence of laser-induced electron rescattering in molecules. <i>Physical Review A</i> , 2021, 103, .	2.5	2
5	Laser-subcycle control of electronic excitation across system boundaries. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 164004.	1.5	2
6	Compact and robust supercontinuum generation and post-compression using multiple thin plates. <i>High Power Laser Science and Engineering</i> , 2021, 9, .	4.6	22
7	Laser-Induced Electron Transfer in the Dissociative Multiple Ionization of Argon Dimers. <i>Physical Review Letters</i> , 2020, 125, 063202.	7.8	6
8	Experimental Separation of Subcycle Ionization Bursts in Strong-Field Double Ionization of H ₂ . <i>Physical Review Letters</i> , 2020, 124, 103201.	7.8	14
9	Generalized Phase Sensitivity of Directional Bond Breaking in the Laser-Molecule Interaction. <i>Physical Review Letters</i> , 2020, 125, 023202.	7.8	11
10	Exploring photoelectron angular distributions emitted from molecular dimers by two delayed intense laser pulses. <i>Physical Review A</i> , 2020, 102, .	2.5	2
11	Frustrated double ionization of argon atoms in strong laser fields. <i>Physical Review Research</i> , 2020, 2, .	3.6	24
12	Laser-induced inner-shell excitations through direct electron re-collision versus indirect collision. <i>Optics Express</i> , 2020, 28, 23251.	3.4	9
13	Attosecond x-ray probing of laser-induced electron rescattering in atoms. <i>Physical Review Research</i> , 2020, 2, .	3.6	0
14	Optical second harmonic generation in LiB ₃ O ₅ modulated by intense femtosecond X-ray pulses. <i>Optics Express</i> , 2020, 28, 11117.	3.4	0
15	Sub-Cycle Separation of Ionization Bursts in the Double Ionization of H ₂ . , 2019, , .		0
16	Photoelectron Circular Dichroism at the Few-Cycle Limit in the Tunnel Ionization Regime. , 2019, , .		0
17	Frustrated double ionization of argon atoms in strong laser fields. <i>EPJ Web of Conferences</i> , 2019, 205, 06007.	0.3	0
18	The molecular attoclock: sub-cycle control of electronic dynamics during H ₂ double ionization. <i>EPJ Web of Conferences</i> , 2019, 205, 02002.	0.3	1

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19	Zero-energy proton dissociation of H ₂ ⁺ through stimulated Raman scattering. Physical Review A, 2019, 99, .	2.5	7
20	Imaging Rydberg States of Atoms and Molecules with a Weak DC Field. , 2019, , .		0
21	Dissociation of Laser-Induced Highly-Excited CO ⁺ 2. , 2019, , .		0
22	Subfemtosecond Tracing of Molecular Dynamics during Strong-Field Interaction. Physical Review Letters, 2019, 123, 263201.	7.8	16
23	Laser-induced dissociative recombination of carbon dioxide. Physical Review Research, 2019, 1, .	3.6	7
24	Frustrated Double Ionization of Argon Atoms. , 2018, , .		0
25	The Molecular Attoclock: Sub-cycle Control of Electronic Dynamics During H ₂ Double Ionization. , 2018, , .		0
26	Two-Dimensional Control of Electron Localization in H ₂ Dissociation with Elliptically Polarized Few-Cycle Laser Pulses. , 2018, , .		0
27	Numerical investigation of the sequential-double-ionization dynamics of helium in different few-cycle-laser-field shapes. Physical Review A, 2017, 95, .	2.5	7
28	Enhanced ionisation of polyatomic molecules in intense laser pulses is due to energy upshift and field coupling of multiple orbitals. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 125601.	1.5	21
29	Publisher's Note: Molecular oxygen observed by direct photoproduction from carbon dioxide [Phys. Rev. A 95 , 011404(R) (2017)]. Physical Review A, 2017, 95, .	2.5	2
30	Molecular oxygen observed by direct photoproduction from carbon dioxide. Physical Review A, 2017, 95, .	2.5	13
31	Localizing high-lying Rydberg wave packets with two-color laser fields. Physical Review A, 2017, 96, .	2.5	27
32	Disentangling Intracycle Interferences in Photoelectron Momentum Distributions Using Orthogonal Two-Color Laser Fields. Physical Review Letters, 2017, 119, 243201.	7.8	43
33	Direct observation of laser-induced O ₂ ⁺ production from CO ₂ . , 2017, , .		0
34	Localizing high-lying Rydberg wave packets by orthogonally-polarized two-color laser pulses. , 2017, , .		0
35	Disentangling intracycle interferences in the photoelectron spectrum of argon using orthogonally polarized, two-colour laser pulses. , 2017, , .		0
36	Enhanced ionization of acetylene in intense laser pulses is due to energy upshift and field coupling of multiple orbitals. Journal of Physics: Conference Series, 2017, 875, 032012.	0.4	0

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37	Laser-Induced Oxygen Formation from Carbon Dioxide. Journal of Physics: Conference Series, 2017, 875, 032024.	0.4	0
38	Localizing High-Lying Rydberg Wave Packets with Orthogonally-Polarized Two-Color Laser Fields. Journal of Physics: Conference Series, 2017, 875, 022016.	0.4	0
39	Coincidence spectroscopy of high-lying Rydberg states produced in strong laser fields. Physical Review A, 2016, 94, .	2.5	39
40	Fragmentation of long-lived hydrocarbons after strong field ionization. Physical Review A, 2016, 93, .	2.5	21
41	Laser-subcycle control of sequential double-ionization dynamics of helium. Physical Review A, 2016, 93, .	2.5	28
42	Channel-resolved subcycle interferences of electron wave packets emitted from in two-color laser fields. High Power Laser Science and Engineering, 2016, 4, .	4.6	6
43	Two-pulse control over double ionization pathways in CO ₂ . Journal of Chemical Physics, 2016, 144, 024306.	3.0	18
44	Signature of multi-channel interference in high-order harmonic generation from N ₂ driven by intense mid-infrared pulses. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 224208.	0.5	4
45	Long-lived Hydrocarbon Dications from Strong Field Interaction. , 2016, , .		0
46	Coincidence Spectroscopy of High-Lying Rydberg States with a Reaction Microscope. , 2016, , .		0
47	Laser-sub-cycle control of sequential double ionization dynamics of helium. , 2016, , .		0
48	Laser-sub-cycle Fragmentation Dynamics of Argon Dimers. , 2016, , .		0
49	Molecular pathway control in sequential double ionization of CO ₂ using two-pulse sequences. , 2016, , .		0
50	Observation of High-Lying Rydberg States Survived from Strong Field Interaction. , 2015, , .		0
51	Duration of an intense laser pulse can determine the breakage of multiple chemical bonds. Scientific Reports, 2015, 5, 12877.	3.3	26
52	Two-Pulse Control over Double Ionization Pathways in CO ₂ . Journal of Physics: Conference Series, 2015, 635, 112034.	0.4	0
53	High-Lying Rydberg States from Strong Field Interaction. Journal of Physics: Conference Series, 2015, 635, 092084.	0.4	0
54	"Slow" Molecular Fragmentation after Ultrafast Interaction. Journal of Physics: Conference Series, 2015, 635, 112069.	0.4	0

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55	Laser pulse duration can control the breakage of multiple chemical bonds. Journal of Physics: Conference Series, 2015, 635, 112033.	0.4	0
56	Real-time probing of the electron dynamics of an atom in a strong infrared laser field. Physical Review A, 2015, 91, .	2.5	4
57	Time-dependent density-functional study of the alignment-dependent ionization of acetylene and ethylene by strong laser pulses. Physical Review A, 2015, 91, .	2.5	23
58	Two-Dimensional Attosecond Electron Wave-Packet Interferometry. Physical Review Letters, 2015, 114, 173003.	7.8	43
59	Electronic Pre-determination of Ethylene Fragmentation Dynamics. Springer Proceedings in Physics, 2015, , 155-159.	0.2	0
60	Attosecond Spatial Control of Electron Wave Packet Emission Dynamics. Springer Proceedings in Physics, 2015, , 113-117.	0.2	0
61	Probing and Controlling Electron Dynamics in Atoms and Molecules with Attosecond Electron Wave Packets. , 2014, , .		0
62	Controlling chemical bond break in hydrocarbons with laser fields. , 2014, , .		0
63	Laser-sub-cycle two-dimensional electron-momentum mapping using orthogonal two-color fields. Physical Review A, 2014, 90, .	2.5	55
64	Role of proton dynamics in efficient photoionization of hydrocarbon molecules. Physical Review A, 2014, 89, .	2.5	24
65	Electronic Predetermination of Ethylene Fragmentation Dynamics. Physical Review X, 2014, 4, .	8.9	41
66	Selective Control over Fragmentation Reactions in Polyatomic Molecules Using Impulsive Laser Alignment. Physical Review Letters, 2014, 112, 163003.	7.8	66
67	Subcycle Control of Electron-Electron Correlation in Double Ionization. Physical Review Letters, 2014, 112, 193002.	7.8	97
68	Interference of electron wave packets in atomic ionization by subcycle sculpted laser pulses. Physical Review A, 2014, 89, .	2.5	42
69	Strong field double ionization of Helium with ultra-short phase stabilized circularly polarized laser pulses. Journal of Physics: Conference Series, 2014, 488, 032010.	0.4	0
70	Molecular isomerization and fragmentation of polyatomic molecules controlled by inner-valence recollision-ionization. Journal of Physics: Conference Series, 2014, 488, 032012.	0.4	0
71	Selective inner-valence ionization of aligned polyatomic molecules for controlling molecular fragmentation. Journal of Physics: Conference Series, 2014, 488, 032013.	0.4	0
72	Control of atomic single and double ionization dynamics using orthogonally polarized two-color laser pulses. Journal of Physics: Conference Series, 2014, 488, 032011.	0.4	0

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73	Controlling Fragmentation Reactions of Polyatomic Molecules with Impulsive Alignment. , 2014, , .		0
74	Control of Chemical Bond Break with both Electronic and Nuclear Dynamics. , 2014, , .		0
75	Electronic pre-determination of ethylene fragmentation dynamics. , 2014, , .		0
76	Attosecond spatial control of electron wave packet emission dynamics. , 2014, , .		0
77	Electronic Pre-Determination of Ethylene Fragmentation Dynamics Using Intense, Ultrashort Laser Pulses. , 2014, , .		0
78	Controlling molecular fragmentation reactions with impulsive alignment. , 2014, , .		0
79	Probing the influence of the Coulomb field on atomic ionization by sculpted two-color laser fields. New Journal of Physics, 2013, 15, 043050.	2.9	24
80	Fragmentation Control of a Polyatomic Molecule by fully determined Laser-Fields. EPJ Web of Conferences, 2013, 41, 02021.	0.3	0
81	Path-selective investigation of intense laser-pulse-induced fragmentation dynamics in triply charged 1,3-butadiene. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 085603.	1.5	25
82	Strong field double ionization of Helium with ultra short circularly polarized light pulses. Journal of Physics: Conference Series, 2012, 388, 032071.	0.4	0
83	Controlling and reading interference structures created by strong field ionizing attosecond electron wave packets. Journal of Physics: Conference Series, 2012, 388, 032059.	0.4	0
84	High energy proton ejection from hydrocarbon molecules driven by highly efficient field ionization. Journal of Physics: Conference Series, 2012, 388, 032063.	0.4	1
85	Spatial control of electronic wave packets with attosecond precision. Journal of Physics: Conference Series, 2012, 388, 032069.	0.4	0
86	Strong laser-pulse-driven ionization and Coulomb explosion of hydrocarbon molecules. Physical Review A, 2012, 86, .	2.5	23
87	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.	0.4	0
88	Attosecond-Recollision-Controlled Selective Fragmentation of Polyatomic Molecules. Physical Review Letters, 2012, 109, 243001.	7.8	136
89	Attosecond Probe of Valence-Electron Wave Packets by Subcycle Sculpted Laser Fields. Physical Review Letters, 2012, 108, 193004.	7.8	131
90	Double ionization dynamics of ethylene in a strong laser field. , 2012, , .		0

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91	Double ionization dynamics of ethylene in a strong laser field. , 2012, , .		0
92	Complete Fragmentation of Hydrocarbon Molecules Probed by Few-cycle Laser Pulses. , 2012, , .		0
93	Attosecond wavefunction retrieval by electron wavepacket interferometry. , 2012, , .		0
94	Attosecond Strong-field Electron Wavepacket Interferometry. , 2012, , .		0
95	High Energy Proton Ejection from Hydrocarbon Molecules Driven by Highly Efficient Field Ionization. Physical Review Letters, 2011, 106, 163001.	7.8	52
96	Measuring the influence of the Coulomb binding potential on the trajectories of strong-field driven electronic wave packets. , 2011, , .		0
97	High energy proton ejection from hydrocarbon molecules driven by highly efficient field ionization. , 2011, , .		0
98	Controlling and reading interference structures created by strong field ionizing attosecond electron wave packets. , 2011, , .		0
99	Concerted High-Energy Proton Emission in Laser-Induced Fragmentations of Polyatomic Molecules. , 2011, , .		0
100	Mapping the Coulomb Potential's Influence on the Motion of Electronic Wave Packets in Strong Laser Fields. , 2011, , .		0
101	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.	2.6	22
102	Two-proton migration in 1,3-butadiene in intense laser fields. Physical Chemistry Chemical Physics, 2010, 12, 12939.	2.8	23
103	Momentum Imaging Of Three-Body Fragmentation Pathways In Polyatomic Molecules. , 2010, , .		0
104	Driving Electronic Wavepackets by Attosecond Half-Cycle Pulses. , 2010, , .		0
105	Observation Of High Energy Protons Ejected From Small Polyatomic Molecules In Laser Induced Fragmentation. , 2010, , .		0
106	Many particle fragmentation dynamics of polyatomic hydrocarbon molecules. , 2009, , .		0
107	Internal Momentum State Mapping using High Harmonic Radiation. Springer Series in Chemical Physics, 2009, , 48-50.	0.2	0
108	Angular encoding in attosecond recollision. New Journal of Physics, 2008, 10, 025029.	2.9	37

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109	Internal Momentum State Mapping Using High Harmonic Radiation. <i>Physical Review Letters</i> , 2008, 101, 033901.	7.8	73
110	Time and momentum distributions of rescattering electrons. <i>Journal of Modern Optics</i> , 2007, 54, 999-1010.	1.3	10
111	Subcycle dynamics in the laser ionization of molecules. <i>Physical Review A</i> , 2007, 76, .	2.5	10
112	Optical attosecond mapping by polarization selective detection. <i>Physical Review A</i> , 2007, 76, .	2.5	41
113	Time-resolved investigation of low-density plasma channels produced by a kilohertz femtosecond laser in air. <i>Physical Review E</i> , 2005, 72, 026412.	2.1	54
114	Optical breakdown for silica and silicon with double femtosecond laser pulses. <i>Optics Express</i> , 2005, 13, 3096.	3.4	38
115	High-intensity attosecond high-order harmonic generation driven by a synthesized laser field. <i>Physical Review A</i> , 2004, 70, .	2.5	6
116	Phase-matched high-order harmonics by inter-action of Ar atoms with high-repetition-rate low-energy femtosecond laser pulses. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2004, 47, 492.	0.2	1
117	Theoretical and Experimental Study on Attosecond High-Order Harmonics Radiation at Shanghai Institute of Optics and Fine Mechanics. <i>Journal of the Korean Physical Society</i> , 2004, 44, 684.	0.7	0