

Song-Feng Zhao

List of Publications by Year in descending order

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65
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citing authors

#	ARTICLE	IF	CITATIONS
1	Retrieval of complex angle-dependent transition dipoles by using macroscopic high harmonics generated from aligned N ₂ molecules. Optics Communications, 2022, 508, 127813.	1.0	1
2	Comparative study of different optimization methods for single attosecond pulse generation with a two- or three-color gating scheme. Journal of the Optical Society of America B: Optical Physics, 2022, 39, A75.	0.9	7
3	Polarization-controlled terahertz generation by bicircular longer-wavelength laser fields. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 1370.	0.9	8
4	Generation of chirp-controllable circularly polarized terahertz radiation in magnetized plasma. Laser Physics, 2021, 31, 075403.	0.6	1
5	Broadband Terahertz Wave Generation from Monolayer Graphene Driven by Few-Cycle Laser Pulse. Chinese Physics Letters, 2021, 38, 054201.	1.3	11
6	Determination of model potential parameters by fitting the numerical potentials from density functional theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 175601.	0.6	1
7	Controlling the atomic-orbital-resolved photoionization for neon atoms by counter-rotating circularly polarized attosecond pulses. Optics Express, 2021, 29, 33245.	1.7	10
8	Rabi-flopping signatures in below-threshold harmonic generation from the stretched H ₂ and N ₂ molecules in intense laser fields. Optics Express, 2021, 29, 43212.	1.7	3
9	Retrieval of Angle-Dependent Strong-Field Ionization by Using High Harmonics Generated from Aligned N ₂ Molecules. Chinese Physics Letters, 2021, 38, 123301.	1.3	8
10	Robust control of the minima of high-order harmonics by fine-tuning the alignment of CO molecules for shaping attosecond pulses and probing molecular alignment. Physical Review A, 2020, 102, .	1.0	12
11	Model potential parameters for alkali metal atomic lithium. Journal of Physics: Conference Series, 2020, 1412, 132007.	0.3	0
12	Polarization of terahertz radiation driven by incommensurate two-color laser pulses. Journal of Physics: Conference Series, 2020, 1412, 192019.	0.3	0
13	The single ionization of helium with energy-selected extreme ultraviolet photons. Journal of Physics: Conference Series, 2020, 1412, 072008.	0.3	0
14	Polarization of attosecond pulses generated by two-color laser fields. Journal of Physics: Conference Series, 2020, 1412, 072029.	0.3	0
15	Dependence of direct and rescattered photoelectron spectra of fluorine anions on orbital symmetry in a short laser pulse. Physical Review A, 2020, 101, .	1.0	5
16	Shaping attosecond pulses by controlling the minima in high-order harmonic generation through alignment of CO molecules. Physical Review A, 2020, 101, .	1.0	15
17	Determination of structure parameters in strong-field ionization models of atoms. Communications in Theoretical Physics, 2020, 72, 095504.	1.1	1
18	An improved method for the investigation of high-order harmonic generation from graphene*. Chinese Physics B, 2020, 29, 104206.	0.7	8

#	ARTICLE	IF	CITATIONS
19	Generating the polarization-controllable THz radiations by incommensurate two-color femtosecond laser fields. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	8
20	Generating attosecond pulses with high ellipticity by use of He atoms. <i>Journal of Modern Optics</i> , 2019, 66, 1467-1475.	0.6	6
21	Influence of the alignment angle of molecules on the cutoff of the high-order harmonics. <i>Optik</i> , 2019, 180, 733-737.	1.4	2
22	Dynamic stabilization of Na atom in an intense pulsed laser field. <i>Chinese Physics B</i> , 2018, 27, 043201.	0.7	0
23	Photoelectron momentum distributions of F ⁻ ions by a few-cycle laser pulse. <i>Optics Express</i> , 2018, 26, 14086.	1.7	2
24	Above-threshold ionization of hydrogen atom in chirped laser fields. <i>Chinese Physics B</i> , 2018, 27, 073203.	0.7	2
25	High-order harmonic generation of Li ⁺ with combined infrared and extreme ultraviolet fields. <i>Chinese Physics B</i> , 2018, 27, 073205.	0.7	4
26	Controlling of strong tunable THz emission with optimal incommensurate multi-color laser field. <i>Physics of Plasmas</i> , 2017, 24, 023116.	0.7	13
27	Influence of permanent dipole and dynamic core-electron polarization on tunneling ionization of polar molecules. <i>Physical Review A</i> , 2017, 95, .	1.0	27
28	Angle-Resolved Electron Spectra of $\text{F}^{\text{m}+}$ Ions by Few-Cycle Laser Pulses. <i>Chinese Physics Letters</i> , 2017, 34, 063201.	1.3	0
29	Accurate Structure Parameters for Tunneling Ionization Rates of Gas-Phase Linear Molecules. <i>Communications in Theoretical Physics</i> , 2017, 67, 289.	1.1	5
30	The possibility for calibrating laser intensity in strong-field-ionization experiments. <i>Journal of Physics: Conference Series</i> , 2017, 875, 032008.	0.3	0
31	Effect of rescattering potential on the high-energy above-threshold ionization of a model-H atom. <i>Indian Journal of Physics</i> , 2017, 91, 9-16.	0.9	0
32	Extracting Structure Parameters of Dimers for Molecular Tunneling Ionization Model. <i>Communications in Theoretical Physics</i> , 2016, 65, 366-374.	1.1	2
33	Analytical model for calibrating laser intensity in strong-field-ionization experiments. <i>Physical Review A</i> , 2016, 93, .	1.0	30
34	Synthesis of Two-Color Laser Pulses for the Harmonic Cutoff Extension. <i>Communications in Theoretical Physics</i> , 2016, 65, 601-605.	1.1	4
35	Numerical simulation of the double-to-single ionization ratio for the helium atom in strong laser fields. <i>Physical Review A</i> , 2015, 92, .	1.0	20
36	Probing Orbital Symmetry of Molecules Via Alignment-Dependent Ionization Probability and High-Order Harmonic Generation by Intense Lasers. , 2015, , 157-183.		0

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37	Synthesis of Multi-Color Long Laser Pulses for Strong Attosecond Pulse Generation. Chinese Physics Letters, 2015, 32, 014210.	1.3	3
38	THz wave emission from argon in two-color laser field. Chinese Physics B, 2015, 24, 043203.	0.7	3
39	Structure parameters in molecular tunneling ionization theory. Journal of Physics: Conference Series, 2014, 488, 032028.	0.3	0
40	Analysis of interference effects in the direct photodetachment from H^+ in a two-color laser pulse. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 245601.	0.6	3
41	Validity of the quantitative rescattering theory for high-order harmonic generation of atoms in two-color laser pulses. Optics Communications, 2014, 328, 30-36.	1.0	13
42	Determination of structure parameters in molecular tunnelling ionisation model. Molecular Physics, 2014, 112, 1102-1114.	0.8	9
43	Multiphoton and tunneling ionization probability of atoms and molecules in an intense laser field. Optics Communications, 2014, 313, 74-79.	1.0	29
44	Generation of isolated 38as pulse from the oriented CO molecule. Journal of Physics: Conference Series, 2014, 488, 032029.	0.3	0
45	Publisher's Note: Molecular-frame photoelectron angular distributions of strong-field tunneling from inner orbitals [Phys. Rev. A 88 , 061401(R) (2013)]. Physical Review A, 2013, 88, .	1.0	1
46	Generation of isolated sub-40-as pulses from gas-phase CO molecules using an intense few-cycle chirped laser and a unipolar pulse. Physical Review A, 2013, 87, .	1.0	46
47	Molecular-frame photoelectron angular distributions of strong-field tunneling from inner orbitals. Physical Review A, 2013, 88, .	1.0	25
48	Interference Effect of Direct Photodetachment for H^+ Ions in a Short Laser Pulse. Chinese Physics Letters, 2012, 29, 093201.	1.3	0
49	Investigation of Angular Dependence of Strong-Field Tunneling Ionization for Asymmetric Diatomic Molecule HeH ²⁺ . Communications in Theoretical Physics, 2012, 58, 419-424.	1.1	5
50	Multiphoton and tunneling ionization of atoms in an intense laser field. Chinese Physics B, 2012, 21, 113101.	0.7	15
51	High-order-harmonic generation using gas-phase molecules. Physical Review A, 2011, 83, .	1.0	17
52	Two-dimensional photoelectron momentum distribution of hydrogen in intense laser field. Chinese Physics B, 2011, 20, 113201.	0.7	6
53	Effect of orbital symmetry on the orientation dependence of strong field tunnelling ionization of nonlinear polyatomic molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 035601.	0.6	43
54	Laser-assisted-autoionization dynamics of helium resonances with single attosecond pulses. Physical Review A, 2011, 84, .	1.0	33

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55	Determination of structure parameters in strong-field tunneling ionization theory of molecules. Physical Review A, 2010, 81, .	1.0	118
56	Retrieval of Electron Return Time from High-order Harmonics Generated in a Mixture of He and Ne Gases. Communications in Theoretical Physics, 2010, 53, 735-741.	1.1	8
57	Destructive and Constructive Interference of High-Order Harmonic Generation in Mixture of He and Ne Gases. Chinese Physics Letters, 2010, 27, 033301.	1.3	7
58	Effect of an improved molecular potential on strong-field tunneling ionization of molecules. Physical Review A, 2010, 82, .	1.0	18
59	Theoretical study of photoelectron angular distributions in single-photon ionization of aligned N_2 and CO_2 . Physical Review A, 2009, 80, .	1.0	26
60	Analysis of angular dependence of strong-field tunneling ionization for CO_2 . Physical Review A, 2009, 80, .	1.0	51
61	Isolated short attosecond pulse produced by using an intense few-cycle shaped laser and an ultraviolet attosecond pulse. Physical Review A, 2008, 78, .	1.0	47
62	Positions and Widths of Anticrossings for Potassium Rydberg Stark States. Communications in Theoretical Physics, 2007, 47, 119-126.	1.1	8
63	Study of Microwave Multiphoton Transition of Rydberg Potassium Atom by Using B-Spline. Communications in Theoretical Physics, 2005, 44, 1065-1070.	1.1	13