

# Song-Feng Zhao

## List of Publications by Year in descending order

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63  
papers

765  
citations

623734

14  
h-index

552781

26  
g-index

65  
all docs

65  
docs citations

65  
times ranked

465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of structure parameters in strong-field tunneling ionization theory of molecules. Physical Review A, 2010, 81, .	2.5	118
2	Analysis of angular dependence of strong-field tunneling ionization for $\text{CO}^2+$ . Physical Review A, 2009, 80, .	2.5	51
3	Isolated short attosecond pulse produced by using an intense few-cycle shaped laser and an ultraviolet attosecond pulse. Physical Review A, 2008, 78, .	2.5	47
4	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, .	2.5	46
5	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.	1.5	43
6	Laser-assisted-autoionization dynamics of helium resonances with single attosecond pulses. Physical Review A, 2011, 84, .	2.5	33
7	Analytical model for calibrating laser intensity in strong-field-ionization experiments. Physical Review A, 2016, 93, .	2.5	30
8	Multiphoton and tunneling ionization probability of atoms and molecules in an intense laser field. Optics Communications, 2014, 313, 74-79.	2.1	29
9	Influence of permanent dipole and dynamic core-electron polarization on tunneling ionization of polar molecules. Physical Review A, 2017, 95, .	2.5	27
10	Theoretical study of photoelectron angular distributions in single-photon ionization of aligned $\text{N}^2$ and $\text{CO}^2+$ . Physical Review A, 2017, 95, .	2.5	26
11	Molecular-frame photoelectron angular distributions of strong-field tunneling from inner orbitals. Physical Review A, 2013, 88, .	2.5	25
12	Numerical simulation of the double-to-single ionization ratio for the helium atom in strong laser fields. Physical Review A, 2015, 92, .	2.5	20
13	Effect of an improved molecular potential on strong-field tunneling ionization of molecules. Physical Review A, 2010, 82, .	2.5	18
14	High-order-harmonic generation using gas-phase $\text{HO}^2+$ molecules. Physical Review A, 2011, 83, .	2.5	17
15	Multiphoton and tunneling ionization of atoms in an intense laser field. Chinese Physics B, 2012, 21, 113101.	1.4	15
16	Shaping attosecond pulses by controlling the minima in high-order harmonic generation through alignment of $\text{CO}^2+$ molecules. Physical Review A, 2020, 101, .	2.5	15
17	Study of Microwave Multiphoton Transition of Rydberg Potassium Atom by Using B-Spline. Communications in Theoretical Physics, 2005, 44, 1065-1070.	2.5	13
18	Validity of the quantitative rescattering theory for high-order harmonic generation of atoms in two-color laser pulses. Optics Communications, 2014, 328, 30-36.	2.1	13

#	ARTICLE	IF	CITATIONS
19	Controlling of strong tunable THz emission with optimal incommensurate multi-color laser field. <i>Physics of Plasmas</i> , 2017, 24, 023116.	1.9	13
20	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. <i>Physical Review A</i> , 2020, 102, .	2.5	12
21	Broadband Terahertz Wave Generation from Monolayer Graphene Driven by Few-Cycle Laser Pulse. <i>Chinese Physics Letters</i> , 2021, 38, 054201.	3.3	11
22	Controlling the atomic-orbital-resolved photoionization for neon atoms by counter-rotating circularly polarized attosecond pulses. <i>Optics Express</i> , 2021, 29, 33245.	3.4	10
23	Determination of structure parameters in molecular tunnelling ionisation model. <i>Molecular Physics</i> , 2014, 112, 1102-1114.	1.7	9
24	Positions and Widths of Anticrossings for Potassium Rydberg Stark States. <i>Communications in Theoretical Physics</i> , 2007, 47, 119-126.	2.5	8
25	Retrieval of Electron Return Time from High-order Harmonics Generated in a Mixture of He and Ne Gases. <i>Communications in Theoretical Physics</i> , 2010, 53, 735-741.	2.5	8
26	Generating the polarization-controllable THz radiations by incommensurate two-color femtosecond laser fields. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	8
27	An improved method for the investigation of high-order harmonic generation from graphene*. <i>Chinese Physics B</i> , 2020, 29, 104206.	1.4	8
28	Polarization-controlled terahertz generation by bicircular longer-wavelength laser fields. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022, 39, 1370.	2.1	8
29	Retrieval of Angle-Dependent Strong-Field Ionization by Using High Harmonics Generated from Aligned $N_2$ Molecules. <i>Chinese Physics Letters</i> , 2021, 38, 123301.	3.3	8
30	Destructive and Constructive Interference of High-Order Harmonic Generation in Mixture of He and Ne Gases. <i>Chinese Physics Letters</i> , 2010, 27, 033301.	3.3	7
31	Comparative study of different optimization methods for single attosecond pulse generation with a two- or three-color gating scheme. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022, 39, A75.	2.1	7
32	Two-dimensional photoelectron momentum distribution of hydrogen in intense laser field. <i>Chinese Physics B</i> , 2011, 20, 113201.	1.4	6
33	Generating attosecond pulses with high ellipticity by use of He atoms. <i>Journal of Modern Optics</i> , 2019, 66, 1467-1475.	1.3	6
34	Investigation of Angular Dependence of Strong-Field Tunneling Ionization for Asymmetric Diatomic Molecule HeH <sup>2+</sup> . <i>Communications in Theoretical Physics</i> , 2012, 58, 419-424.	2.5	5
35	Accurate Structure Parameters for Tunneling Ionization Rates of Gas-Phase Linear Molecules. <i>Communications in Theoretical Physics</i> , 2017, 67, 289.	2.5	5
36	Dependence of direct and rescattered photoelectron spectra of fluorine anions on orbital symmetry in a short laser pulse. <i>Physical Review A</i> , 2020, 101, .	2.5	5

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37	Synthesis of Two-Color Laser Pulses for the Harmonic Cutoff Extension. Communications in Theoretical Physics, 2016, 65, 601-605.	2.5	4
38	High-order harmonic generation of Li + with combined infrared and extreme ultraviolet fields. Chinese Physics B, 2018, 27, 073205.	1.4	4
39	Analysis of interference effects in the direct photodetachment from $H^{\sim}$ in a two-color laser pulse. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 245601.	1.5	3
40	Synthesis of Multi-Color Long Laser Pulses for Strong Attosecond Pulse Generation. Chinese Physics Letters, 2015, 32, 014210.	3.3	3
41	THz wave emission from argon in two-color laser field. Chinese Physics B, 2015, 24, 043203.	1.4	3
42	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.	3.4	3
43	Extracting Structure Parameters of Dimers for Molecular Tunneling Ionization Model. Communications in Theoretical Physics, 2016, 65, 366-374.	2.5	2
44	Photoelectron momentum distributions of F- ions by a few-cycle laser pulse. Optics Express, 2018, 26, 14086.	3.4	2
45	Above-threshold ionization of hydrogen atom in chirped laser fields. Chinese Physics B, 2018, 27, 073203.	1.4	2
46	Influence of the alignment angle of molecules on the cutoff of the high-order harmonics. Optik, 2019, 180, 733-737.	2.9	2
47	Publisher's Note: Molecular-frame photoelectron angular distributions of strong-field tunneling from inner orbitals [Phys. Rev. A, 061401(R) (2013)]. Physical Review A, 2013, 88, .	2.5	1
48	Generation of chirp-controllable circularly polarized terahertz radiation in magnetized plasma. Laser Physics, 2021, 31, 075403.	1.2	1
49	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.	1.5	1
50	Determination of structure parameters in strong-field ionization models of atoms. Communications in Theoretical Physics, 2020, 72, 095504.	2.5	1
51	Retrieval of complex angle-dependent transition dipoles by using macroscopic high harmonics generated from aligned $N_2$ molecules. Optics Communications, 2022, 508, 127813.	2.1	1
52	Interference Effect of Direct Photodetachment for $H^{\sim}$ Ions in a Short Laser Pulse. Chinese Physics Letters, 2012, 29, 093201.	3.3	0
53	Structure parameters in molecular tunneling ionization theory. Journal of Physics: Conference Series, 2014, 488, 032028.	0.4	0
54	Generation of isolated 38as pulse from the oriented CO molecule. Journal of Physics: Conference Series, 2014, 488, 032029.	0.4	0

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55	Probing Orbital Symmetry of Molecules Via Alignment-Dependent Ionization Probability and High-Order Harmonic Generation by Intense Lasers. , 2015, , 157-183.		0
56	Angle-Resolved Electron Spectra of $\text{F}^{\text{m}}$ Ions by Few-Cycle Laser Pulses. Chinese Physics Letters, 2017, 34, 063201.	3.3	0
57	The possibility for calibrating laser intensity in strong-field-ionization experiments. Journal of Physics: Conference Series, 2017, 875, 032008.	0.4	0
58	Effect of rescattering potential on the high-energy above-threshold ionization of a model-H atom. Indian Journal of Physics, 2017, 91, 9-16.	1.8	0
59	Dynamic stabilization of Na atom in an intense pulsed laser field. Chinese Physics B, 2018, 27, 043201.	1.4	0
60	Model potential parameters for alkali metal atomic lithium. Journal of Physics: Conference Series, 2020, 1412, 132007.	0.4	0
61	Polarization of terahertz radiation driven by incommensurate two-color laser pulses. Journal of Physics: Conference Series, 2020, 1412, 192019.	0.4	0
62	The single ionization of helium with energy-selected extreme ultraviolet photons. Journal of Physics: Conference Series, 2020, 1412, 072008.	0.4	0
63	Polarization of attosecond pulses generated by two-color laser fields. Journal of Physics: Conference Series, 2020, 1412, 072029.	0.4	0