

# Zhangjin Chen

## List of Publications by Year in descending order

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32  
papers

1,325  
citations

430874

18  
h-index

414414

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate Retrieval of Structural Information from Laser-Induced Photoelectron and High-Order Harmonic Spectra by Few-Cycle Laser Pulses. <i>Physical Review Letters</i> , 2008, 100, 013903.	7.8	371
2	Quantitative rescattering theory for laser-induced high-energy plateau photoelectron spectra. <i>Physical Review A</i> , 2009, 79, .	2.5	143
3	Analysis of two-dimensional photoelectron momentum spectra and the effect of the long-range Coulomb potential in single ionization of atoms by intense lasers. <i>Physical Review A</i> , 2006, 74, .	2.5	118
4	Two-dimensional electron momentum spectra of argon ionized by short intense lasers: Comparison of theory with experiment. <i>Physical Review A</i> , 2007, 75, .	2.5	113
5	Analysis of two-dimensional high-energy photoelectron momentum distributions in the single ionization of atoms by intense laser pulses. <i>Physical Review A</i> , 2007, 76, .	2.5	62
6	Quantum Theory of Recollisional ( $\langle \mathbf{p} \rangle$ ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	7.8	62
7	Nonsequential Double Ionization of Helium. <i>Physical Review Letters</i> , 2010, 104, 253201. Isolated short attosecond pulse produced by using an intense few-cycle shaped laser and an ultraviolet attosecond pulse. <i>Physical Review A</i> , 2008, 78, .	2.5	47
8	Unraveling nonadiabatic ionization and Coulomb potential effect in strong-field photoelectron holography. <i>Scientific Reports</i> , 2016, 6, 28392.	3.3	45
9	Momentum spectra of electrons rescattered from rare-gas targets following their extraction by one- and two-color femtosecond laser pulses. <i>Physical Review A</i> , 2011, 83, .	2.5	37
10	Retrieval of electron-atom scattering cross sections from laser-induced electron rescattering of atomic negative ions in intense laser fields. <i>Physical Review A</i> , 2008, 77, .	2.5	36
11	Strong-field nonsequential double ionization of Ar and Ne. <i>Physical Review A</i> , 2011, 84, .	2.5	29
12	Second-order distorted wave calculation for electron impact ionization of hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 981-995.	1.5	28
13	Origin of species dependence of high-energy plateau photoelectron spectra. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 061001.	1.5	28
14	Second-order distorted wave calculation for electron-impact ionization of helium to He+(n= 1 and 2). <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 4195-4209.	1.5	24
15	Complete real-time temporal waveform characterization of single-shot few-cycle laser pulses. <i>Physical Review A</i> , 2009, 80, .	2.5	23
16	Quantitative rescattering theory of correlated two-electron momentum spectra for strong-field nonsequential double ionization of helium. <i>Physical Review A</i> , 2010, 82, .	2.5	23
17	Numerical simulation of the double-to-single ionization ratio for the helium atom in strong laser fields. <i>Physical Review A</i> , 2015, 92, .	2.5	20
18	Genetic-algorithm implementation of atomic potential reconstruction from differential electron scattering cross sections. <i>Physical Review A</i> , 2009, 79, .	2.5	18

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19	Ratios of double to single ionization of He and Ne by strong 400-nm laser pulses using the quantitative rescattering theory. <i>Physical Review A</i> , 2018, 97, .	2.5	17
20	Revisiting the recollisional excitation-tunneling process in strong-field nonsequential double ionization of helium. <i>Physical Review A</i> , 2019, 100, .	2.5	13
21	Revisiting the recollisional ( $\langle \text{mml:math} \rangle T_j \text{ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (xmlns:mml="http://www.w3.org/1998$	2.5	12
22	Pulse-duration dependence of the double-to-single ionization ratio of Ne by intense 780-nm and 800-nm laser fields: Comparison of simulations with experiments. <i>Physical Review A</i> , 2019, 99, .	2.5	12
23	Quantitative rescattering theory for nonsequential double ionization. <i>Chinese Physics B</i> , 2019, 28, 123401.	1.4	10
24	Calibration of distorted wave Born approximation for electron impact excitation of Ne and Ar at incident energies below 100 eV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 085201.	1.5	6
25	Nonsequential double ionization of Ar in near-single-cycle laser pulses. <i>Optics Express</i> , 2020, 28, 22231.	3.4	6
26	Single-cycle versus multicycle nonsequential double ionization of argon. <i>Physical Review A</i> , 2021, 104, .	2.5	5
27	Intensity dependence in nonsequential double ionization of helium. <i>Optics Express</i> , 2020, 28, 6490.	3.4	5
28	Insensitivity to the long-range Coulomb potential in laser-induced elastic scattering of electrons with ions. <i>Physical Review A</i> , 2013, 88, .	2.5	3
29	Anticorrelation in nonsequential double ionization of helium. <i>Physical Review A</i> , 2021, 103, .	2.5	3
30	Identification of doubly excited states in nonsequential double ionization of Ar in strong laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 245601.	1.5	2
31	Retrieval of parameters of few-cycle laser pulses from high-energy photoelectron spectra of atoms by a genetic algorithm. <i>Physical Review A</i> , 2017, 95, .	2.5	2
32	Evidence of potential change in nonsequential double ionization*. <i>Chinese Physics B</i> , 2021, 30, 023401.	1.4	2