

Shicheng Jiang

List of Publications by Year in descending order

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27
papers

1,190
citations

430874

18
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

485
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of the Transition Dipole Amplitude and Phase on the Generation of Odd and Even High-Order Harmonics in Crystals. <i>Physical Review Letters</i> , 2018, 120, 253201.	7.8	167
2	Population Redistribution Among Multiple Electronic States of Molecular Nitrogen Ions in Strong Laser Fields. <i>Physical Review Letters</i> , 2016, 116, 143007.	7.8	132
3	Generation of isolated sub-10-attosecond pulses in spatially inhomogeneous two-color fields. <i>Optics Express</i> , 2014, 22, 26153.	3.4	93
4	Effect of transition dipole phase on high-order-harmonic generation in solid materials. <i>Physical Review A</i> , 2017, 96, .	2.5	92
5	High order harmonic generation in solids: a review on recent numerical methods. <i>Advances in Physics: X</i> , 2019, 4, 1562982.	4.1	75
6	Dependence of high-order-harmonic generation on dipole moment in SiO_2 crystals. <i>Physical Review A</i> , 2016, 94, .	2.5	70
7	Two-dimensional imaging of energy bands from crystal orientation dependent higher-order harmonic spectra in hBN . <i>Physical Review B</i> , 2018, 98, .	3.2	65
8	Interference effects on harmonic generation from H_2^+ in nonhomogeneous laser field. <i>Optics Express</i> , 2016, 24, 19736.	3.4	55
9	Cooper minimum of high-order harmonic spectra from an MgO crystal in an ultrashort laser pulse. <i>Physical Review A</i> , 2020, 101, .	2.5	53
10	Effect of interband polarization on a solid's high-order-harmonic generation just below the band gap. <i>Optics Letters</i> , 2020, 45, 2874.	3.3	50
11	Crystal symmetry and polarization of high-order harmonics in ZnO. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 225601.	1.5	49
12	Strain effect on the orientation-dependent harmonic spectrum of monolayer aluminum nitride. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	5.1	40
13	Reexamination of wavelength scaling of harmonic yield in intense midinfrared fields. <i>Physical Review A</i> , 2014, 89, .	2.5	35
14	All-optical reconstruction of three-band transition dipole moments by the crystal harmonic spectrum from a two-color laser pulse. <i>Optics Express</i> , 2022, 30, 9971.	3.4	32
15	Smooth periodic gauge satisfying crystal symmetry and periodicity to study high-harmonic generation in solids. <i>Physical Review B</i> , 2020, 102, .	3.2	31
16	Isolated few-attosecond emission in a multi-cycle asymmetrically nonhomogeneous two-color laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 225602.	1.5	21
17	Dissociation and Ionization of Quasi-Periodically Vibrating H_2^+ in Intense Few-Cycle Mid-Infrared Laser Fields. <i>Scientific Reports</i> , 2017, 7, 42086.	3.3	20
18	Higher harmonic generation from bilayer nanostructures assisted by electron backscattering. <i>Physical Review B</i> , 2020, 102, .	3.2	20

#	ARTICLE	IF	CITATIONS
19	Role of Shift Vector in High-Harmonic Generation from Noncentrosymmetric Topological Insulators under Strong Laser Fields. <i>Physical Review X</i> , 2022, 12, .	8.9	18
20	Quantum-trajectory analysis for charge transfer in solid materials induced by strong laser fields. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 275702.	1.8	16
21	Polymeric heptazine imide by O doping and constructing van der Waals heterostructures for photocatalytic water splitting: a theoretical perspective from transition dipole moment analyses. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9915-9922.	2.8	14
22	Detecting electronic coherences by time-domain high-harmonic spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9776-9781.	7.1	13
23	Free-space $\hat{I}2+$ lasers generated in strong laser fields: the role of molecular vibration. <i>Optics Express</i> , 2018, 26, 13331.	3.4	10
24	The role of transition dipole phase in atomic attosecond transient absorption from the multi-level model. <i>Structural Dynamics</i> , 2019, 6, 054102.	2.3	9
25	Multi-wave mixing in the high harmonic regime: monitoring electronic dynamics. <i>Optics Express</i> , 2021, 29, 4746.	3.4	7
26	Isolated attosecond pulses generation from coherent superposition state of helium ion in static electric fields and spatial nonhomogeneous fields. <i>International Journal of Modern Physics B</i> , 2016, 30, 1650229.	2.0	3
27	Symmetry and Polarization of High-Order Harmonic Generation from Solids. , 2019, , .		0