Shicheng Jiang

List of Publications by Year in descending order

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430874 552781 1,190 27 18 26 citations g-index h-index papers 27 27 27 485 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	All-optical reconstruction of three-band transition dipole moments by the crystal harmonic spectrum from a two-color laser pulse. Optics Express, 2022, 30, 9971.	3.4	32
2	Role of Shift Vector in High-Harmonic Generation from Noncentrosymmetric Topological Insulators under Strong Laser Fields. Physical Review X, 2022, 12, .	8.9	18
3	Multi-wave mixing in the high harmonic regime: monitoring electronic dynamics. Optics Express, 2021, 29, 4746.	3.4	7
4	Strain effect on the orientation-dependent harmonic spectrum of monolayer aluminum nitride. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1 .	5.1	40
5	Smooth periodic gauge satisfying crystal symmetry and periodicity to study high-harmonic generation in solids. Physical Review B, 2020, 102, .	3.2	31
6	Higher harmonic generation from bilayer nanostructures assisted by electron backscattering. Physical Review B, 2020, 102, .	3.2	20
7	Polymeric heptazine imide by O doping and constructing van der Waals heterostructures for photocatalytic water splitting: a theoretical perspective from transition dipole moment analyses. Physical Chemistry Chemical Physics, 2020, 22, 9915-9922.	2.8	14
8	Cooper minimum of high-order harmonic spectra from an MgO crystal in an ultrashort laser pulse. Physical Review A, 2020, 101, .	2.5	53
9	Detecting electronic coherences by time-domain high-harmonic spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9776-9781.	7.1	13
10	Effect of interband polarization on a solid's high-order-harmonic generation just belowthe band gap. Optics Letters, 2020, 45, 2874.	3.3	50
11	Crystal symmetry and polarization of high-order harmonics in ZnO. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 225601.	1.5	49
12	The role of transition dipole phase in atomic attosecond transient absorption from the multi-level model. Structural Dynamics, 2019, 6, 054102.	2.3	9
13	High order harmonic generation in solids: a review on recent numerical methods. Advances in Physics: X, 2019, 4, 1562982.	4.1	7 5
14	Symmetry and Polarization of High-Order Harmonic Generation from Solids. , 2019, , .		0
15	Two-dimensional imaging of energy bands from crystal orientation dependent higher-order harmonic spectra in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>h</mml:mi><mml:mo>â^'<td>3:2 o>≺mml:m</td><td>i>85N</td></mml:mo></mml:mrow></mml:math>	3 :2 o>≺mml:m	i>85N
16	Free-space Î2+ lasers generated in strong laser fields: the role of molecular vibration. Optics Express, 2018, 26, 13331.	3.4	10
17	Role of the Transition Dipole Amplitude and Phase on the Generation of Odd and Even High-Order Harmonics in Crystals. Physical Review Letters, 2018, 120, 253201.	7.8	167
18	Dissociation and Ionization of Quasi-Periodically Vibrating H2+ in Intense Few-Cycle Mid-Infrared Laser Fields. Scientific Reports, 2017, 7, 42086.	3.3	20

#	Article	IF	CITATION
19	Effect of transition dipole phase on high-order-harmonic generation in solid materials. Physical Review A, 2017, 96, .	2.5	92
20	Quantum-trajectory analysis for charge transfer in solid materials induced by strong laser fields. Journal of Physics Condensed Matter, 2017, 29, 275702.	1.8	16
21	Interference effects on harmonic generation from H_2 ^+ in nonhomogeneous laser field. Optics Express, 2016, 24, 19736.	3.4	55
22	Isolated attosecond pulses generation from coherent superposition state of helium ion in static electric fields and spatial nonhomogeneous fields. International Journal of Modern Physics B, 2016, 30, 1650229.	2.0	3
23	Dependence of high-order-harmonic generation on dipole moment in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Si</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn></mml:mn></mml:msub></mml:mrow></mml:math> crystals. Physical Review A. 2016. 94	2.5	70
24	Population Redistribution Among Multiple Electronic States of Molecular Nitrogen Ions in Strong Laser Fields. Physical Review Letters, 2016, 116, 143007.	7.8	132
25	Isolated few-attosecond emission in a multi-cycle asymmetrically nonhomogeneous two-color laser field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 225602.	1.5	21
26	Generation of isolated sub-10-attosecond pulses in spatially inhomogenous two-color fields. Optics Express, 2014, 22, 26153.	3.4	93
27	Reexamination of wavelength scaling of harmonic yield in intense midinfrared fields. Physical Review A, 2014, 89, .	2.5	35