

Sizuo Luo

List of Publications by Year in descending order

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papers

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all docs

34
docs citations

34
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Drilling of aluminum and copper films with femtosecond double-pulse laser. Optics and Laser Technology, 2016, 80, 116-124.	4.6	28
2	Nonadiabatic laser-induced orientation and alignment of rotational-state-selected CH_3 molecules. Physical Review A, 2015, 91, .	2.3	27
3	Coherent interference of molecular electronic states in NO by two-color femtosecond laser pulses. Physical Review A, 2019, 99, .	2.5	18
4	Ultrafast proton migration and Coulomb explosion of methyl chloride in intense laser fields. Journal of Chemical Physics, 2017, 146, 244305.	3.0	17
5	Multiorbital effects in strong field ionization and dissociation of aligned polar molecules CH_3I and CH_3Br . Physical Review A, 2019, 100, .	2.5	17
6	Dissociative ionization and Coulomb explosion of CH_3I in intense femtosecond laser fields. European Physical Journal D, 2017, 71, 1.	1.3	15
7	Revealing Molecular Strong Field Autoionization Dynamics. Physical Review Letters, 2021, 126, 103202.	7.8	15
8	Rotational Dynamics of Quantum State-Selected Symmetric-Top Molecules in Nonresonant Femtosecond Laser Fields. Journal of Physical Chemistry A, 2017, 121, 777-783.	2.5	14
9	Multielectron Effects in the Strong Field Sequential Ionization of Aligned CH_3I Molecules. Journal of Physical Chemistry A, 2017, 121, 6547-6553.	2.5	14
10	Tracking the nuclear movement of the carbonyl sulfide cation after strong-field ionization by time-resolved Coulomb-explosion imaging. Physical Review A, 2021, 103, .	2.5	14
11	Multiorbital and excitation effects on dissociative double ionization of CO molecules in strongly circularly polarized laser fields. Physical Review A, 2019, 100, .	2.5	12
12	Accurate <i>in situ</i> Measurement of Ellipticity Based on Subcycle Ionization Dynamics. Physical Review Letters, 2019, 122, 013203.	7.8	12
13	Femtosecond Time-Resolved Neighbor Roles in the Fragmentation Dynamics of Molecules in a Dimer. Physical Review Letters, 2022, 129, .	7.8	12
14	Contribution of resonance excitation on ionization of OCS molecules in strong laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 235602.	1.5	10
15	Footprints of electron correlation in strong-field double ionization of Kr close to the sequential-ionization regime. Physical Review A, 2017, 96, .	2.5	9
16	Comparison study for multiple ionization of carbonyl sulfide by linearly and circularly polarized intense femtosecond laser fields using Coulomb explosion imaging. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 094002.	1.5	9
17	Vibrationally resolved above-threshold ionization in NO molecules by intense ultrafast two-color laser pulses: An experimental and theoretical study. Physical Review A, 2019, 100, .	2.5	9
18	Multiphoton Ionization of Potassium Atoms in Femtosecond Laser Fields. Chinese Physics Letters, 2021, 38, 053202.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Determining the stereo configuration of carbonyl sulfide dimers using Coulomb-explosion imaging. Physical Review A, 2021, 104, .	2.5	9
20	Ultrafast dissociation dynamics of singly and doubly ionized N^2O in strong laser fields. Physical Review A, 2020, 101, .	2.5	8
21	Generation of fractional and multiple imaginary rotational alignment echoes. Physical Review A, 2021, 104, .	2.5	8
22	Laser induced alignment of state-selected CH_3I . Physical Chemistry Chemical Physics, 2015, 17, 24121-24128.	2.8	7
23	Identifying the Multielectron Effect on Chemical Bond Rearrangement of CH_3Cl Molecules in Strong Laser Fields. Journal of Physical Chemistry A, 2018, 122, 8427-8432.	2.5	7
24	Bond-breakage-dependent dissociative ionization of an asymmetric molecule in an intense femtosecond laser field. Physical Review A, 2019, 99, .	2.5	6
25	Sub-optical-cycle electron dynamics of NO molecules: the effect of strong laser field and Coulomb field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 084002.	1.5	6
26	Capturing the stereoconfiguration of Tj ETQs by Coulomb-explosion imaging. Physical Review A, 2022, 105, .	2.5	5
27	Alignment dependence of photoelectron momentum distributions for diatomic molecule N_2 in strong elliptical laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 0, , .	1.5	5
28	Ion yields of laser aligned CH_3I and CH_3Br from multiple orbitals. Chemical Physics Letters, 2016, 665, 141-146.	2.6	4
29	Ab-initio classical trajectory study the dissociation of CIN_3 : The pathway lead to cyclic- N_3 . Chemical Physics Letters, 2018, 710, 6-10.	2.6	2
30	Channel-resolved ultrafast dissociation dynamics of NO_2 molecules studied via femtosecond time-resolved ion imaging. Chinese Journal of Chemical Physics, 2019, 32, 292-298.	1.3	1
31	Tracing the Coherent Manipulation of Rotational Dynamics by Shaped Femtosecond Pulse-Induced Two-Dimensional Rotational Coherent Spectrum. Journal of Physical Chemistry A, 2021, 125, 770-776.	2.5	1
32	Tunneling Ionization of Aligned CH_3X ($X=I, Br, Cl$) Molecules in Intense Femtosecond Laser Fields. Journal of Physics: Conference Series, 2015, 635, 112071.	0.4	0
33	Hn^+ Ejection from Aligned CH_3Cl Molecules in Intense fs Laser Fields. Journal of Physics: Conference Series, 2015, 635, 112019.	0.4	0
34	Revealing orbital dependent quantum interference of O_2 underlying channel-resolved strong-field spectroscopies. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 085601.	1.5	0