

# Shih-I Chu

## List of Publications by Year in descending order

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197  
papers

7,572  
citations

47006

47  
h-index

64796

79  
g-index

197  
all docs

197  
docs citations

197  
times ranked

2326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multichannel-resolved dynamics in resonance-enhanced below-threshold harmonic generation of H <sub>2</sub> <sup>+</sup> molecular ions. Physical Review A, 2021, 103, .	2.5	2
2	Relativistic ionization probabilities and photoelectron distributions of hydrogenlike ions in superstrong electromagnetic fields. Physical Review A, 2021, 104, .	2.5	1
3	Relativistic ionization dynamics of hydrogenlike ions in strong electromagnetic fields: Generalized pseudospectral method for the time-dependent Dirac equation. Physical Review A, 2020, 102, .	2.5	8
4	Multiphoton quantum dynamics of many-electron atomic and molecular systems in intense laser fields*. Chinese Physics B, 2020, 29, 083202.	1.4	4
5	Role of nuclear symmetry in below-threshold harmonic generation of molecules. Physical Review A, 2020, 101, .	2.5	8
6	Minima in low-energy above-threshold-ionization spectra induced by electronic structure. Physical Review A, 2019, 100, .	2.5	4
7	Conditions for perfect circular polarization of high-order harmonics driven by bichromatic counter-rotating laser fields. Physical Review A, 2019, 99, .	2.5	10
8	Probing time-resolved emission in laser-driven electron-multirescattering in a high-order harmonic generation. Journal of Modern Optics, 2019, 66, 541-547.	1.3	1
9	Controlling electron quantum paths for generation of circularly polarized high-order harmonics by H <sub>2</sub> <sup>+</sup> subject to tailored ( $I_1$ , $I_2$ ) counter-rotating laser fields. Physical Review A, 2018, 97, .	2.5	21
10	Multiphoton Ionization of One-Electron Relativistic Diatomic Quasimolecules in Strong Laser Fields. Journal of Physical Chemistry A, 2018, 122, 8026-8036.	2.5	8
11	Exact-exchange optimized effective potential and memory effect in time-dependent density functional theory. European Physical Journal B, 2018, 91, 1.	1.5	4
12	High-order-harmonic generation by Laguerre-Gaussian laser modes: Control of the spectra by manipulating the spatial medium distribution. Physical Review A, 2017, 96, .	2.5	10
13	Multielectron effects in the photoelectron momentum distribution of noble-gas atoms driven by visible-to-infrared-frequency laser pulses: A time-dependent density-functional-theory approach. Physical Review A, 2017, 95, .	2.5	11
14	Probing multirescattering dynamics and electron quantum paths for below- and near-threshold harmonic generation of $H^+$ in an intense laser field. Physical Review A, 2017, 95, .	2.5	8
15	Generation of circularly polarized XUV and soft-x-ray high-order harmonics by homonuclear and heteronuclear diatomic molecules subject to bichromatic counter-rotating circularly polarized intense laser fields. Physical Review A, 2017, 96, .	2.5	15
16	Absorption spectra of superconducting qubits driven by bichromatic microwave fields. Physical Review B, 2017, 96, .	3.2	14
17	High-order-harmonic generation of vibrating $H^+$ and $D^+$ in an intense laser field. Physical Review A, 2017, 95, .	2.5	30
18	Time-Local Equation for the Exact Optimized Effective Potential in Time-Dependent Density Functional Theory. Physical Review Letters, 2017, 118, 243001.	7.8	14

#	ARTICLE	IF	CITATIONS
19	Unravelling the dynamical origin of below- and near-threshold harmonic generation of H <sub>2</sub> <sup>+</sup> in an intense NIR laser field. <i>Scientific Reports</i> , 2016, 6, 37774.	3.3	14
20	A graph-theoretical representation of multiphoton resonance processes in superconducting quantum circuits. <i>Scientific Reports</i> , 2016, 6, 37544.	3.3	12
21	Harmonic generation of Li atoms in one- and two-photon Rabi-flopping regimes. <i>Physical Review A</i> , 2016, 94, .	2.5	12
22	Photoelectron momentum distributions of the hydrogen atom driven by multicycle elliptically polarized laser pulses. <i>Physical Review A</i> , 2016, 93, .	2.5	24
23	Enhancement of VUV and EUV generation by field-controlled resonance structures of diatomic molecules. <i>Physical Review A</i> , 2016, 93, .	2.5	14
24	Exploration of the electron multiple recollision dynamics in intense laser fields with Bohmian trajectories. <i>Physical Review A</i> , 2016, 93, .	2.5	7
25	Photoelectron momentum distributions of the hydrogen molecular ion driven by multicycle near-infrared laser pulses. <i>Physical Review A</i> , 2016, 94, .	2.5	8
26	Exploration of laser-driven electron-multirescattering dynamics in high-order harmonic generation. <i>Scientific Reports</i> , 2016, 6, 32763.	3.3	19
27	Exploration of the subcycle multiphoton ionization dynamics and transient electron density structures with Bohmian trajectories. <i>Physical Review A</i> , 2015, 91, .	2.5	15
28	Generation of an isolated few-attosecond pulse in optimized inhomogeneous two-color fields. <i>Physical Review A</i> , 2015, 92, .	2.5	13
29	Generation of below-threshold even harmonics by a stretched H <sub>2</sub> <sup>+</sup> molecular ion in intense linearly and circularly polarized laser fields. <i>Physical Review A</i> , 2015, 92, .	2.5	18
30	Dynamical origin of near- and below-threshold harmonic generation of Cs in an intense mid-infrared laser field. <i>Nature Communications</i> , 2015, 6, 7178.	12.8	51
31	Optimal control of high-order harmonics for the generation of an isolated ultrashort attosecond pulse with two-color midinfrared laser fields. <i>Physical Review A</i> , 2015, 91, .	2.5	30
32	Subcycle dynamics of high-harmonic generation in valence-shell and virtual states of Ar atoms: A self-interaction-free time-dependent density-functional-theory approach. <i>Physical Review A</i> , 2015, 91, .	2.5	10
33	Effect of nuclear vibration on high-order-harmonic generation of aligned $H^+$ . <i>Physical Review A</i> , 2014, 90, .	2.5	20
34	Role of laser-driven electron-multirescattering in resonance-enhanced below-threshold harmonic generation in He atoms. <i>Physical Review A</i> , 2014, 90, .	2.5	36
35	Subcycle dynamics of high-order-harmonic generation of He atoms excited by attosecond pulses and driven by near-infrared laser fields: A self-interaction-free time-dependent density-functional-theory approach. <i>Physical Review A</i> , 2014, 89, .	2.5	9
36	Generation of isolated sub-20-attosecond pulses from He atoms by two-color midinfrared laser fields. <i>Physical Review A</i> , 2014, 89, .	2.5	54

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37	Coherent phase-matched VUV generation by field-controlled bound states. <i>Nature Photonics</i> , 2014, 8, 437-441.	31.4	94
38	Above- and below-threshold high-order-harmonic generation of $H^2$ in intense elliptically polarized laser fields. <i>Physical Review A</i> , 2014, 90, .	2.5	29
39	Subcycle transient structures in time-dependent multiphoton-ionization rates. <i>Physical Review A</i> , 2014, 90, .	2.5	12
40	A new time-frequency method to reveal quantum dynamics of atomic hydrogen in intense laser pulses: Synchrosqueezing transform. <i>AIP Advances</i> , 2014, 4, 117138.	1.3	21
41	THEORETICAL FOUNDATIONS FOR EXPLORING QUANTUM OPTIMAL CONTROL OF MOLECULES. <i>Advances in Multi-photon Processes and Spectroscopy</i> , 2014, , 1-57.	0.6	2
42	Sub-cycle Oscillations in Virtual States Brought to Light. <i>Scientific Reports</i> , 2013, 3, .	3.3	147
43	Multiphoton above-threshold ionization in superintense free-electron x-ray laser fields: Beyond the dipole approximation. <i>Physical Review A</i> , 2013, 87, .	2.5	16
44	Maximum attainable field-free molecular orientation of a thermal ensemble with near-“single-cycle THz pulses. <i>Physical Review A</i> , 2013, 87, .	2.5	30
45	Generation and coherent control of even-order harmonics driven by intense frequency-comb and cavity-mode fields inside a fsEC. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 145403.	1.5	2
46	High-order-harmonic generation of Ar atoms in intense ultrashort laser fields: An all-electron time-dependent density-functional approach including macroscopic propagation effects. <i>Physical Review A</i> , 2013, 88, .	2.5	14
47	Transient absorption spectra of the laser-dressed hydrogen atom. <i>Physical Review A</i> , 2013, 88, .	2.5	10
48	Time-dependent density-functional theory with optimized effective potential and self-interaction correction and derivative discontinuity for the treatment of double ionization of He and Be atoms in intense laser fields. <i>Physical Review A</i> , 2013, 87, .	2.5	14
49	Coherent control and giant enhancement of multiphoton ionization and high-order-harmonic generation driven by intense frequency-comb laser fields: Anab initiotheoretical investigation. <i>Physical Review A</i> , 2013, 87, .	2.5	9
50	Exterior complex scaling method in time-dependent density-functional theory: Multiphoton ionization and high-order-harmonic generation of Ar atoms. <i>Physical Review A</i> , 2013, 87, .	2.5	58
51	<i>Ab initio</i> study of high-lying doubly excited states of helium in static electric fields: Complex-scaling generalized pseudospectral method in hyperspherical coordinates. <i>Physical Review A</i> , 2012, 86, .	2.5	6
52	Effects of macroscopic propagation on spectra of broadband supercontinuum harmonics and isolated-attosecond-pulse generation: Coherent control of the electron quantum trajectories in two-color laser fields. <i>Physical Review A</i> , 2012, 86, .	2.5	26
53	Coherent control of atomic spin currents in a double well. <i>Physical Review A</i> , 2012, 85, .	2.5	6
54	Mechanism of quasi-phase-matching in a dual-gas multijet array. <i>Physical Review A</i> , 2012, 86, .	2.5	24

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55	Low-energy structure of above-threshold-ionization electron spectra: Role of the Coulomb threshold effect. <i>Physical Review A</i> , 2011, 83, .	2.5	30
56	Coherent control of the electron quantum paths for the generation of single ultrashort attosecond laser pulse. <i>Physical Review A</i> , 2011, 84, .	2.5	21
57	Fast-kick-off monotonically convergent algorithm for searching optimal control fields. <i>Physical Review A</i> , 2011, 84, .	2.5	22
58	Steady-state entanglement in a double-well Bose-Einstein condensate through coupling to a superconducting resonator. <i>Physical Review A</i> , 2011, 84, .	2.5	9
59	High-order-harmonic generation in homonuclear and heteronuclear diatomic molecules: Exploration of multiple orbital contributions. <i>Physical Review A</i> , 2011, 83, .	2.5	64
60	Photoionization dynamics and angular squeezing phenomenon in intense long-wavelength laser fields. <i>Physical Review A</i> , 2011, 83, .	2.5	17
61	Precision calculation of above-threshold multiphoton ionization in intense short-wavelength laser fields: The momentum-space approach and time-dependent generalized pseudospectral method. <i>Physical Review A</i> , 2011, 83, .	2.5	33
62	EXPLORATION OF THE MEMORY EFFECT ON THE PHOTON-ASSISTED TUNNELING VIA A SINGLE QUANTUM DOT: A GENERALIZED FLOQUET THEORETICAL APPROACH. <i>International Journal of Modern Physics B</i> , 2011, 25, 2251-2270.	2.0	0
63	Exploration of strong-field multiphoton double ionization, rescattering, and electron angular distribution of He atoms in intense long-wavelength laser fields: The coupled coherent-state approach. <i>Physical Review A</i> , 2010, 82, .	2.5	15
64	Probing the origin of elliptical high-order harmonic generation from aligned molecules in linearly polarized laser fields. <i>Physical Review A</i> , 2010, 82, .	2.5	42
65	Multielectron effects on the orientation dependence and photoelectron angular distribution of multiphoton ionization of $\text{CO}^{2+}$ strong laser fields. <i>Physical Review A</i> , 2009, 80, .	2.5	67
66	Time-dependent localized Hartree-Fock density-functional linear response approach for photoionization of atomic excited states. <i>Physical Review A</i> , 2009, 79, .	2.5	5
67	Effects of electron structure and multielectron dynamical response on strong-field multiphoton ionization of diatomic molecules with arbitrary orientation: An all-electron time-dependent density-functional-theory approach. <i>Physical Review A</i> , 2009, 79, .	2.5	51
68	Memory effect on the multiphoton coherent destruction of tunneling in the electron transport of nanoscale systems driven by a periodic field: A generalized Floquet approach. <i>Physical Review B</i> , 2009, 79, .	3.2	12
69	Above-threshold-ionization spectra from the core region of a time-dependent wave packet: An <i>ab initio</i> time-dependent approach. <i>Physical Review A</i> , 2009, 79, .	2.5	31
70	Effects of multiple electronic shells on strong-field multiphoton ionization and high-order harmonic generation of diatomic molecules with arbitrary orientation: An all-electron time-dependent density-functional approach. <i>Physical Review A</i> , 2009, 80, .	2.5	96
71	Floquet formulation for the investigation of multiphoton quantum interference in a superconducting qubit driven by a strong ac field. <i>Physical Review A</i> , 2009, 79, .	2.5	73
72	<i>Ab initio</i> time-dependent density-functional-theory study of the frequency comb structure, coherence, and dephasing of multielectron systems in the vuv-xuv regimes via high-order harmonic generation. <i>Physical Review A</i> , 2009, 79, .	2.5	19

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73	A time-dependent momentum-space density functional theoretical approach for electron transport dynamics in molecular devices. <i>Europhysics Letters</i> , 2009, 88, 17008.	2.0	12
74	<i>Ab initio</i> theoretical investigation of the frequency comb structure and coherence in the vuv-xuv regimes via high-order harmonic generation. <i>Physical Review A</i> , 2008, 77, .	2.5	16
75	Many-mode Floquet theoretical approach for coherent control of multiphoton dynamics driven by intense frequency-comb laser fields. <i>Physical Review A</i> , 2008, 77, .	2.5	16
76	Inner-shell excitation of open-shell atoms: a spin-dependent localized Hartree-Fock density-functional approach. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 4379-4389.	1.5	5
77	Spin-dependent localized Hartree-Fock density-functional approach for the accurate treatment of inner-shell excitation of closed-shell atoms. <i>Physical Review A</i> , 2007, 75, .	2.5	8
78	<i>Ab initio</i> study of the orientation effects in multiphoton ionization and high-order harmonic generation from the ground and excited electronic states of $H_2$ . <i>Physical Review A</i> , 2007, 76, .	2.5	84
79	Relaxation and Decoherence Induced by an External Circuit of a Driven SQUID Flux Qubit. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 90-93.	1.7	2
80	Generalized Floquet Theoretical Approaches to Intense-Field Multiphoton and Nonlinear Optical Processes. <i>Advances in Chemical Physics</i> , 2007, , 739-799.	0.3	80
81	High-order harmonic generation of heteronuclear diatomic molecules in intense ultrashort laser fields: An all-electron TDDFT study. <i>International Journal of Quantum Chemistry</i> , 2007, 107, 3159-3168.	2.0	30
82	Creation and control of a single coherent attosecond xuv pulse by few-cycle intense laser pulses. <i>Physical Review A</i> , 2006, 74, .	2.5	130
83	High-order harmonic generation in laser-irradiated homonuclear diatomics: The velocity gauge version of the molecular strong-field approximation. <i>Laser Physics</i> , 2006, 16, 1326-1344.	1.2	15
84	Time-frequency analysis of molecular high-harmonic generation spectrum by means of wavelet transform and Wigner distribution techniques. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 4747-4758.	1.5	11
85	Effect of electron correlation on high-order-harmonic generation of helium atoms in intense laser fields: Time-dependent generalized pseudospectral approach in hyperspherical coordinates. <i>Physical Review A</i> , 2006, 73, .	2.5	39
86	Unified approach for universal quantum gates in a coupled superconducting two-qubit system with fixed always-on coupling. <i>Physical Review B</i> , 2006, 73, .	3.2	6
87	Spin-dependent localized Hartree-Fock density-functional calculation of singly, doubly, and triply excited and Rydberg states of He- and Li-like ions. <i>Physical Review A</i> , 2005, 71, .	2.5	22
88	Recent development of self-interaction-free time-dependent density-functional theory for nonperturbative treatment of atomic and molecular multiphoton processes in intense laser fields. <i>Journal of Chemical Physics</i> , 2005, 123, 062207.	3.0	76
89	Very-high-order harmonic generation from Ar atoms and Ar <sup>+</sup> ions in superintense pulsed laser fields: An <i>ab initio</i> self-interaction-free time-dependent density-functional approach. <i>Physical Review A</i> , 2005, 71, .	2.5	15
90	Exploration of Coulomb explosion dynamics through excited vibrational states of molecules. <i>Physical Review A</i> , 2005, 71, .	2.5	3

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91	Quantum Entanglement and Controlled Logical Gates Using Coupled SQUID Flux Qubits. IEEE Transactions on Applied Superconductivity, 2005, 15, 833-836.	1.7	5
92	Ab initio study of high-order harmonic generation of H <sub>2</sub> in intense laser fields: Time-dependent non-Hermitian Floquet approach. Physical Review A, 2005, 71, .	2.5	57
93	Strong-field ionization of laser-irradiated light homonuclear diatomic molecules: A generalized strong-field approximation—linear combination of atomic orbitals model. Physical Review A, 2005, 71, .	2.5	78
94	High-order above-threshold multiphoton detachment of H <sup>+</sup> : time-dependent non-Hermitian Floquet approach. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 1489-1502.	1.5	12
95	Suppression of energy-relaxation-induced decoherence in $\hat{\nu}$ -type three-level SQUID flux qubits: A dark-state approach. Physical Review B, 2004, 70, .	3.2	19
96	Role of the electronic structure and multielectron responses in ionization mechanisms of diatomic molecules in intense short-pulse lasers: An all-electron ab initio study. Physical Review A, 2004, 70, .	2.5	83
97	Simplified realization of two-qubit quantum phase gate with four-level systems in cavity QED. Physical Review A, 2004, 70, .	2.5	39
98	A small error-correction code for protecting three-qubit quantum information. JETP Letters, 2004, 79, 236-240.	1.4	1
99	Beyond the Floquet theorem: generalized Floquet formalisms and quasienergy methods for atomic and molecular multiphoton processes in intense laser fields. Physics Reports, 2004, 390, 1-131.	25.6	372
100	Efficient many-party controlled teleportation of multiqubit quantum information via entanglement. Physical Review A, 2004, 70, .	2.5	206
101	Effects of pulse shape on rf SQUID quantum gates. IEEE Transactions on Applied Superconductivity, 2003, 13, 986-988.	1.7	1
102	Angular distributions from two-photon detachment of H <sup>+</sup> near ionization threshold: Laser-frequency and -intensity effects. Physical Review A, 2002, 66, .	2.5	16
103	Quantum-fluid-dynamics approach for strong-field processes: Application to the study of multiphoton ionization and high-order harmonic generation of He and Ne atoms in intense laser fields. Physical Review A, 2002, 65, .	2.5	22
104	Density-functional calculations on singly and doubly excited Rydberg states of many-electron atoms. Physical Review A, 2002, 65, .	2.5	31
105	Multiphoton above-threshold detachment of Li <sup>+</sup> : Exterior-complex-scaling—generalized-pseudospectral method for calculations of complex-quasienergy resonances in Floquet formulation of time-dependent density-functional theory. Physical Review A, 2002, 66, .	2.5	19
106	Quantum fluid dynamics approach for electronic structure calculation: application to the study of ground-state properties of rare gas atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 2075-2086.	1.5	13
107	Generalized Floquet Formulation of Time-Dependent Density Functional Theory for Multiphoton Processes in Intense Laser Fields. Journal of the Chinese Chemical Society, 2002, 49, 737-750.	1.4	0
108	Quantum computing with superconducting devices: A three-level SQUID qubit. Physical Review B, 2002, 66, .	3.2	86



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109	Time-dependent density-functional theory for molecular processes in strong fields: Study of multiphoton processes and dynamical response of individual valence electrons of N <sub>2</sub> in intense laser fields. <i>Physical Review A</i> , 2001, 64, .	2.5	99
110	Multiphoton ionization and high-order harmonic generation of He, Ne, and Ar atoms in intense pulsed laser fields: Self-interaction-free time-dependent density-functional theoretical approach. <i>Physical Review A</i> , 2001, 64, .	2.5	88
111	Self-interaction-free time-dependent density-functional theory for molecular processes in strong fields: High-order harmonic generation of H <sub>2</sub> in intense laser fields. <i>Physical Review A</i> , 2001, 63, .	2.5	110
112	Spectral and temporal structures of high-order harmonic generation of Na in intense mid-ir laser fields. <i>Physical Review A</i> , 2001, 64, .	2.5	25
113	Generalized Floquet formulation of time-dependent density functional theory for many-electron systems in intense laser fields. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	0
114	Exact relations of the quasienergy functional and the exchange-correlation potential from the Floquet formulation of time-dependent density functional theory. <i>Physical Review A</i> , 2000, 63, .	2.5	11
115	Probing the spectral and temporal structures of high-order harmonic generation in intense laser pulses. <i>Physical Review A</i> , 2000, 61, .	2.5	188
116	Complex-scaling generalized pseudospectral method for quasienergy resonance states in two-center systems: Application to the Floquet study of charge resonance enhanced multiphoton ionization of molecular ions in intense low-frequency laser fields. <i>Physical Review A</i> , 2000, 63, .	2.5	69
117	Time-dependent approach to high-resolution spectroscopy and quantum dynamics of Rydberg atoms in crossed magnetic and electric fields. <i>Physical Review A</i> , 2000, 61, .	2.5	57
118	Two-photon detachment of H <sup>+</sup> . <i>Physical Review A</i> , 2000, 61, .	2.5	5
119	Multiphoton detachment of H <sup>+</sup> near the one-photon threshold: Exterior complex-scaling generalized pseudospectral method for complex quasienergy resonances. <i>Physical Review A</i> , 1999, 59, 2864-2874.	2.5	56
120	High-order perturbation expansion of non-Hermitian Floquet theory for multiphoton and above-threshold ionization processes. <i>Physical Review A</i> , 1999, 61, .	2.5	8
121	Recent New Developments of Steady-State and Time-Dependent Density Functional Theories for the Treatment of Structure and Dynamics of Many-Electron Atomic, Molecular, and Quantum Dot Systems. <i>Journal of the Chinese Chemical Society</i> , 1999, 46, 361-374.	1.4	1
122	Time-dependent approach to high-resolution spectroscopy: application to the photoabsorption spectrum of classically chaotic hydrogen atoms in magnetic fields. <i>Chemical Physics Letters</i> , 1998, 294, 31-36.	2.6	16
123	Time-dependent density-functional theory with optimized effective potential and self-interaction correction: Application to the study of coherent control of multiple high-order harmonic generation of He atoms in mixed laser fields. <i>International Journal of Quantum Chemistry</i> , 1998, 69, 293-303.	2.0	13
124	Generalized Floquet theoretical formulation of time-dependent density functional theory for many-electron systems in multicolor laser fields. <i>International Journal of Quantum Chemistry</i> , 1998, 69, 305-315.	2.0	11
125	Time-dependent density-functional theory for strong-field multiphoton processes: Application to the study of the role of dynamical electron correlation in multiple high-order harmonic generation. <i>Physical Review A</i> , 1998, 57, 452-461.	2.5	133
126	Relativistic density-functional theory with the optimized effective potential and self-interaction correction: Application to atomic structure calculations (Z=2-106). <i>Physical Review A</i> , 1998, 57, 855-863.	2.5	35



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127	Generalized Floquet formulation of time-dependent current-density-functional theory. <i>Physical Review A</i> , 1998, 58, 4749-4756.	2.5	16
128	Generation of circularly polarized multiple high-order harmonic emission from two-color crossed laser beams. <i>Physical Review A</i> , 1998, 58, R2656-R2659.	2.5	52
129	Time-dependent density-functional theory with optimized effective potential and self-interaction correction: Application to the study of coherent control of multiple high-order harmonic generation of He atoms in mixed laser fields. , 1998, 69, 293.		1
130	Time-dependent density-functional theory with optimized effective potential and self-interaction correction: Application to the study of coherent control of multiple high-order harmonic generation of He atoms in mixed laser fields. <i>International Journal of Quantum Chemistry</i> , 1998, 69, 293-303.	2.0	2
131	Density-functional theory with optimized effective potential and self-interaction correction for ground states and autoionizing resonances. <i>Physical Review A</i> , 1997, 55, 3406-3416.	2.5	159
132	Nonperturbative Approaches to Atomic and Molecular Multiphoton (Half-Collision) Processes in Intense Laser Fields. <i>The IMA Volumes in Mathematics and Its Applications</i> , 1997, , 343-387.	0.5	3
133	Theoretical study of multiple high-order harmonic generation by intense ultrashort pulsed laser fields: A new generalized pseudospectral time-dependent method. <i>Chemical Physics</i> , 1997, 217, 119-130.	1.9	384
134	Floquet formulation of time-dependent density functional theory. <i>Chemical Physics Letters</i> , 1997, 264, 466-476.	2.6	30
135	Theoretical study of the energy spectra of multiphoton above-threshold dissociation of H <sub>2</sub> <sup>+</sup> in intense laser fields. <i>Chemical Physics Letters</i> , 1996, 255, 223-231.	2.6	11
136	Electron angular distributions after above-threshold multiphoton detachment of by 1064 nm radiation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 4401-4410.	1.5	19
137	Laser-Induced Stabilization in Atomic and Molecular Systems. <i>Journal of the Chinese Chemical Society</i> , 1995, 42, 325-333.	1.4	1
138	Time evolution and multiphoton ionization of Rydberg wavepacket in microwave fields. <i>Chemical Physics Letters</i> , 1995, 240, 278-282.	2.6	3
139	Above-threshold multiphoton detachment of H <sup>+</sup> by two-color laser fields: Angular distributions and partial rates. <i>Physical Review A</i> , 1995, 51, 4797-4808.	2.5	22
140	Two-color phase control of high-order harmonic generation in intense laser fields. <i>Physical Review A</i> , 1995, 52, 3988-3996.	2.5	49
141	Generalized Floquet theoretical methods for nonperturbative treatments of Schrodinger and Liouville equations in the presence of strong fields. <i>Radiation Effects and Defects in Solids</i> , 1994, null, 57-71.	1.2	1
142	Above-threshold multiphoton detachment from the H <sup>+</sup> ion by 10.6- $\mu$ m radiation: Angular distributions and partial widths. <i>Physical Review A</i> , 1994, 50, 4099-4108.	2.5	23
143	Multiphoton detachment of H <sup>+</sup> . II. Intensity-dependent photodetachment rates and threshold behavior—complex-scaling generalized pseudospectral method. <i>Physical Review A</i> , 1994, 50, 3208-3215.	2.5	104
144	A stationary treatment of time-dependent Hamiltonian by the many-mode floquet formalism and its application to the study of effects of laser pulses in multiphoton processes. <i>Chemical Physics Letters</i> , 1994, 225, 46-54.	2.6	20

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145	Chemical bond hardening and molecular stabilization of D+2 in one- and two-color laser fields. Chemical Physics Letters, 1994, 227, 663-668.	2.6	18
146	Nonadiabatic geometric phases of multiphoton transitions in dissipative systems and spin- $\langle i \rangle \langle i \rangle$ systems. Radiation Effects and Defects in Solids, 1994, null, 73-89.	1.2	0
147	Study of the photoabsorption spectrum of diamagnetic Rydberg atoms without the need of using full eigenvectors. Chemical Physics Letters, 1993, 211, 601-606.	2.6	0
148	Generalized pseudospectral methods with mappings for bound and resonance state problems. Chemical Physics Letters, 1993, 204, 381-388.	2.6	120
149	Molecular-bond hardening and dynamics of molecular stabilization and trapping in intense laser pulses. Physical Review A, 1993, 48, 485-494.	2.5	69
150	Multiphoton detachment of $\text{H}\hat{\alpha}^-$ . Physical Review A, 1993, 48, 4654-4663.	2.5	42
151	ATOMIC AND MOLECULAR MULTIPHOTON PROCESSES IN INTENSE LASER FIELDS. , 1993, , 403-440.		1
152	Strong field effects in above-threshold detachment of a model negative ion. Journal of Physics B: Atomic, Molecular and Optical Physics, 1992, 25, 363-376.	1.5	11
153	High-order harmonic generation in atomic hydrogen at 248 nm: Dipole-moment versus acceleration spectrum. Physical Review A, 1992, 46, 7322-7324.	2.5	59
154	Complex-scaling Fourier-grid Hamiltonian method. III. Oscillatory behavior of complex quasienergies and the stability of negative ions in very intense laser fields. Physical Review A, 1992, 45, 6735-6743.	2.5	64
155	Laser-induced molecular stabilization and trapping and chemical bond hardening in intense laser fields. Chemical Physics Letters, 1992, 197, 413-418.	2.6	83
156	Time-dependent multiphoton dynamics in intense short-pulse laser fields. Interaction-representation approach. Chemical Physics Letters, 1992, 198, 39-42.	2.6	5
157	The Complex-Scaling Coupled-Channel Methods for Atomic and Molecular Resonances in Intense External Fields. , 1992, , 193-212.		0
158	Nonperturbative methods for the study of multiphoton dynamics in intense periodic and multi-color laser fields. Computer Physics Communications, 1991, 63, 482-493.	7.5	15
159	The complex-scaling fourier-grid Hamiltonian method for resonance state problems. Chemical Physics Letters, 1990, 167, 155-157.	2.6	45
160	Cyclic quantum evolution and Aharonov-Anandan geometric phases in $\text{SU}(2)$ spin-coherent states. Physical Review A, 1990, 41, 42-48.	2.5	49
161	Nonperturbative treatments of level shifts of excited states and high-order harmonic generation in strong fields. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 425.	2.1	24
162	Nonlinear Schrödinger equation and dissipative quantum dynamics in periodic fields. Physical Review A, 1989, 40, 4171-4181.	2.5	18

#	ARTICLE	IF	CITATIONS
163	Dynamics of multiphoton excitation and quantum diffusion in Rydberg atoms. <i>Physical Review A</i> , 1989, 39, 1800-1808.	2.5	14
164	Pressure Broadening and Laser-Induced Spectral Line Shapes. <i>Advances in Atomic and Molecular Physics</i> , 1989, 25, 133-162.	2.0	15
165	Density matrix formulation of complex geometric quantum phases in dissipative systems. <i>Chemical Physics Letters</i> , 1989, 157, 151-158.	2.6	26
166	Fractal character of quasi-energy states in intense polychromatic fields. <i>Chemical Physics Letters</i> , 1988, 153, 87-92.	2.6	5
167	Classical and quantal nonperturbative treatments of multiphoton and above-threshold ionization. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1987, 4, 720.	2.1	30
168	Time-dependent self-consistent field approach to infrared laser multiphoton excitation. <i>Chemical Physics Letters</i> , 1987, 139, 35-40.	2.6	1
169	Coupled dressed-states formalism for multiphoton excitation and population inversion by coherent pulses. <i>Chemical Physics Letters</i> , 1987, 141, 315-322.	2.6	35
170	The complex scaling method: Application to autoionization, predissociation, and multiphoton resonances. <i>International Journal of Quantum Chemistry</i> , 1986, 30, 129-146.	2.0	4
171	DYNAMICS AND SYMMETRIES IN INTENSE MULTIPHOTON PROCESSES: FLOQUET THEORETICAL APPROACHES. <i>Advances in Multi-photon Processes and Spectroscopy</i> , 1986, , 175-237.	0.6	5
172	Floquet-Liouville supermatrix approach: Time development of density-matrix operator and multiphoton resonance fluorescence spectra in intense laser fields. <i>Physical Review A</i> , 1986, 33, 1798-1816.	2.5	45
173	Floquet-liouville super-matrix approach for multiphoton non-linear optical processes in intense laser fields. <i>Chemical Physics Letters</i> , 1985, 122, 327-332.	2.6	8
174	Multiphoton dynamics and resonance lineshapes in three-level systems: many-mode Floquet treatment. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1985, 18, 4539-4556.	1.6	12
175	Recent Developments in Semiclassical Floquet Theories for Intense-Field Multiphoton Processes. <i>Advances in Atomic and Molecular Physics</i> , 1985, , 197-253.	2.0	275
176	Laser-assisted charge-transfer reactions ( $\text{Li}^{3++}\text{H}$ ): Coupled dressed-quasimolecular-state approach. <i>Physical Review A</i> , 1985, 32, 122-133.	2.5	29
177	Threshold shift and above-threshold multiphoton ionization of atomic hydrogen in intense laser fields. <i>Physical Review A</i> , 1985, 32, 2769-2775.	2.5	186
178	Semiclassical many-mode Floquet theory. III. $\text{SU}(3)$ dynamical evolution of three-level systems in intense bichromatic fields. <i>Physical Review A</i> , 1985, 31, 659-676.	2.5	59
179	Semiclassical many-mode Floquet theory. IV. Coherent population trapping and $\text{SU}(3)$ dynamical evolution of dissipative three-level systems in intense bichromatic fields. <i>Physical Review A</i> , 1985, 32, 377-395.	2.5	34
180	Theory of collision-induced translation-rotation spectra: $\text{H}_2\text{-He}$ . <i>Physical Review A</i> , 1984, 29, 595-604.	2.5	64

#	ARTICLE	IF	CITATIONS
181	Semiclassical many-mode Floquet theory. II. Non-linear multiphoton dynamics of a two-level system in a strong bichromatic field. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 2101-2128.	1.6	75
182	Nonlinear Multi-Photon Excitation and Dissociation in Intense Laser Fields: Recent Developments in Floquet Theory and Quasi-Energy Methods. Israel Journal of Chemistry, 1984, 24, 237-244.	2.3	6
183	Semiclassical Multi-Mode Floquet Theory and Non-Adiabatic Approximation Quasi-Energy Method for Intense Field Multiphoton Processes. , 1984, , 1141-1146.		0
184	Semiclassical many-mode floquet theory. Chemical Physics Letters, 1983, 96, 464-471.	2.6	130
185	Rotational predissociation of Ar-HD van der Waals complex: space-fixed complex-coordinate coupled-channel calculations. Chemical Physics Letters, 1983, 95, 38-45.	2.6	9
186	Energy deposition in SO <sub>2</sub> via intense infrared laser multiphoton excitation. Chemical Physics Letters, 1983, 101, 446-451.	2.6	43
187	Study of the autoionising states of the hydrogen atom in intense magnetic fields by the complex coordinate coupled-channel formalism. Journal of Physics B: Atomic and Molecular Physics, 1983, 16, L471-L477.	1.6	27
188	Stark ionization in dc and ac fields: A complex-coordinate approach. Physical Review A, 1983, 27, 2946-2970.	2.5	231
189	Body-fixed complex-coordinate coupled-channel formalism for rotational predissociation of van der Waals molecules. Chemical Physics Letters, 1982, 88, 213-219.	2.6	15
190	Complex scaling method for numerical potentials. Chemical Physics Letters, 1982, 87, 357-364.	2.6	18
191	Semiclassical theory of vibrational collisions in a laser field. Chemical Physics Letters, 1980, 70, 205-209.	2.6	19
192	Quasienergy formalism for photoionization in intense radiation and magnetic fields. Chemical Physics Letters, 1979, 64, 178-182.	2.6	18
193	Quasienergy formalism for intense field multiphoton ionization of atoms induced by circularly polarized radiation. Chemical Physics Letters, 1978, 54, 367-372.	2.6	45
194	Dilatation transformation and the Stark-Zeeman effect. Chemical Physics Letters, 1978, 58, 462-466.	2.6	30
195	Intense Field Multiphoton Ionization via Complex Dressed States: Application to the H Atom. Physical Review Letters, 1977, 39, 1195-1198.	7.8	217
196	Rotational excitation of symmetric-top molecular ions by electron impact. Physical Review A, 1975, 12, 396-405.	2.5	19
197	Rotational excitation of CH <sup>+</sup> by electron impact. Physical Review A, 1974, 10, 788-792.	2.5	79