

Kaoru Yamanouchi

List of Publications by Year in descending order

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255
papers

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citations

61945

43
h-index

106281

65
g-index

260
all docs

260
docs citations

260
times ranked

2143
citing authors

#	ARTICLE	IF	CITATIONS
1	LASER CHEMISTRY AND PHYSICS: The Next Frontier. Science, 2002, 295, 1659-1660.	6.0	201
2	Ultrafast Deformation of the Geometrical Structure of CO ₂ Induced in Intense Laser Fields. Physical Review Letters, 1999, 83, 1127-1130.	2.9	147
3	Sub-10-fs population inversion in N ₂ ⁺ in air lasing through multiple state coupling. Nature Communications, 2015, 6, 8347.	5.8	146
4	Interferometric Autocorrelation of an Attosecond Pulse Train in the Single-Cycle Regime. Physical Review Letters, 2006, 97, 153904.	2.9	132
5	Intramolecular vibrational redistribution of energy in the stimulated emission pumping spectrum of acetylene. Journal of Chemical Physics, 1993, 99, 7350-7370.	1.2	129
6	Conclusive Evidence of an Attosecond Pulse Train Observed with the Mode-Resolved Autocorrelation Technique. Physical Review Letters, 2006, 96, 083901.	2.9	126
7	Vibrationally highly excited acetylene as studied by dispersed fluorescence and stimulated emission pumping spectroscopy: Vibrational assignment of the feature states. Journal of Chemical Physics, 1991, 95, 6330-6342.	1.2	124
8	Coincidence imaging of Coulomb explosion of CS ₂ in intense laser fields. Chemical Physics Letters, 2001, 349, 57-63.	1.2	123
9	Vibrational level structure of highly excited SO ₂ in the electronic ground state. II. Vibrational assignment by dispersed fluorescence and stimulated emission pumping spectroscopy. Journal of Chemical Physics, 1990, 92, 4044-4054.	1.2	101
10	Interatomic potentials of A ³⁰⁺ and B ³¹ states of HgHe, HgNe, and HgAr van der Waals complexes. Journal of Chemical Physics, 1988, 88, 205-212.	1.2	97
11	Observation of Laser-Assisted Electron-Atom Scattering in Femtosecond Intense Laser Fields. Physical Review Letters, 2010, 105, 123202.	2.9	89
12	Compact XFEL and AMO sciences: SACLA and SCSS. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 164001.	0.6	88
13	Coincidence Imaging of Coulomb Explosion of CS ₂ in Intense Laser Fields. AIP Conference Proceedings, 2002, , .	0.3	83
14	Efficient ejection of H ₃ ⁺ from hydrocarbon molecules induced by ultrashort intense laser fields. Journal of Chemical Physics, 2008, 129, 104302.	1.2	82
15	Dissociative ionization of ethanol in chirped intense laser fields. Journal of Chemical Physics, 2003, 119, 4179-4186.	1.2	81
16	Coincidence momentum imaging of ultrafast hydrogen migration in methanol and its isotopomers in intense laser fields. Chemical Physics Letters, 2006, 423, 220-224.	1.2	78
17	State-specific unimolecular reaction of NO ₂ just above the dissociation threshold. Journal of Chemical Physics, 1993, 99, 254-264.	1.2	77
18	Ejection of triatomic hydrogen molecular ion from methanol in intense laser fields. Chemical Physics Letters, 2005, 414, 117-121.	1.2	75

#	ARTICLE	IF	CITATIONS
19	Rotational Coherence Encoded in an Air-Laser Spectrum of Nitrogen Molecular Ions in an Intense Laser Field. <i>Physical Review X</i> , 2013, 3, .	2.8	75
20	Coincidence momentum imaging of ejection of hydrogen molecular ions from methanol in intense laser fields. <i>Chemical Physics Letters</i> , 2006, 419, 223-227.	1.2	74
21	Mass-resolved two-dimensional momentum imaging of the Coulomb explosion of N ₂ and SO ₂ in an intense laser field. <i>Chemical Physics Letters</i> , 1998, 282, 283-291.	1.2	73
22	Direct observation of an attosecond electron wave packet in a nitrogen molecule. <i>Science Advances</i> , 2015, 1, e1500356.	4.7	73
23	Sequential three-body Coulomb explosion of CS ₂ in intense laser fields appearing in momentum correlation map. <i>Chemical Physics Letters</i> , 2002, 361, 245-250.	1.2	66
24	Hydrogen migration in acetonitrile in intense laser fields in competition with two-body Coulomb explosion. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004, 141, 195-200.	0.8	66
25	Selective Control over Fragmentation Reactions in Polyatomic Molecules Using Impulsive Laser Alignment. <i>Physical Review Letters</i> , 2014, 112, 163003.	2.9	66
26	Ionization and fragmentation dynamics of benzene in intense laser fields by tandem mass spectroscopy. <i>Journal of Chemical Physics</i> , 2001, 114, 5598-5606.	1.2	64
27	Vibrational level structure of highly excited SO ₂ in the electronic ground state as studied by stimulated emission pumping spectroscopy. <i>Journal of Chemical Physics</i> , 1988, 88, 4664-4670.	1.2	60
28	Significant Enhancement of N_2^+ Lasing by Polarization-Modulated Ultrashort Laser Pulses. <i>Physical Review Letters</i> , 2019, 122, 013202.	2.9	59
29	Molecular structure and conformation of 1-chloropropane as determined by gas electron diffraction and microwave spectroscopy. <i>The Journal of Physical Chemistry</i> , 1984, 88, 2315-2320.	2.9	57
30	Ultrafast hydrogen migration in allene in intense laser fields: Evidence of two-body Coulomb explosion. <i>Chemical Physics Letters</i> , 2009, 469, 255-260.	1.2	56
31	Time-dependent multiconfiguration theory for describing molecular dynamics in diatomic-like molecules. <i>Journal of Chemical Physics</i> , 2009, 131, 164118.	1.2	55
32	Coulomb explosion dynamics of N ₂ in intense laser field by mass-resolved momentum imaging. <i>Chemical Physics</i> , 1998, 231, 315-329.	0.9	54
33	Tracing ultrafast hydrogen migration in allene in intense laser fields by triple-ion coincidence momentum imaging. <i>Journal of Chemical Physics</i> , 2009, 131, 151102.	1.2	54
34	Extraction of molecular dynamics in intense laser fields from mass-resolved momentum imaging maps: application to Coulomb explosion of NO. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 223-240.	0.6	53
35	Two-body Coulomb explosion and hydrogen migration in methanol induced by intense 7 and 21fs laser pulses. <i>Journal of Chemical Physics</i> , 2007, 127, 104306.	1.2	52
36	High Energy Proton Ejection from Hydrocarbon Molecules Driven by Highly Efficient Field Ionization. <i>Physical Review Letters</i> , 2011, 106, 163001.	2.9	52

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55	Feature state assignment and hierarchical and statistical analyses of vibronic and rovibronic level structure of NO ₂ in the 16–25 μm region. <i>Journal of Chemical Physics</i> , 1994, 101, 4505-4513.	1.2	37
56	Alignment of CS ₂ in intense nanosecond laser fields probed by pulsed gas electron diffraction. <i>Journal of Chemical Physics</i> , 2003, 118, 6211-6221.	1.2	36
57	Attosecond nonlinear Fourier transformation spectroscopy of CO ₂ in extreme ultraviolet wavelength region. <i>Journal of Chemical Physics</i> , 2008, 129, 161103.	1.2	36
58	Interatomic potentials of the C1 and D0+ states of XeNe, XeAr, and XeKr as studied by tunable vacuum ultraviolet laser spectroscopy. <i>Journal of Chemical Physics</i> , 1990, 92, 1560-1567.	1.2	35
59	Nonlinear Fourier-transform spectroscopy of D ₂ using high-order harmonic radiation. <i>Physical Review A</i> , 2010, 82, .	1.0	35
60	Carrier-envelope-phase dependence of asymmetric C-D bond breaking in C ₂ D ₂ in an intense few-cycle laser field. <i>Chemical Physics Letters</i> , 2014, 595-596, 61-66.	1.2	35
61	Lasing action induced by femtosecond laser filamentation in ethanol flame for combustion diagnosis. <i>Applied Physics Letters</i> , 2014, 104, 091106.	1.5	34
62	Direct Microscopic Analysis of Individual C ₆₀ Dimerization Events: Kinetics and Mechanisms. <i>Journal of the American Chemical Society</i> , 2017, 139, 18281-18287.	6.6	34
63	Dissociative ATI of H ₂ and D ₂ in intense soft x-ray laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 813-829.	0.6	33
64	Concerted and sequential Coulomb explosion processes of N ₂ O in intense laser fields by coincidence momentum imaging. <i>Journal of Chemical Physics</i> , 2005, 123, 154305.	1.2	31
65	Enhanced ionization of acetylene in intense laser fields. <i>Physical Review A</i> , 2012, 85, .	1.0	31
66	Communication: Long-lived neutral H ₂ in hydrogen migration within methanol dication. <i>Journal of Chemical Physics</i> , 2013, 139, 181103.	1.2	31
67	Giant Enhancement of Air Lasing by Complete Population Inversion in N_2 <i>Physical Review Letters</i> , 2000, 125, 053201.	2.9	31
68	Effect of Laser Parameters on Ultrafast Hydrogen Migration in Methanol Studied by Coincidence Momentum Imaging. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2686-2690.	1.1	29
69	Observation and analysis of an interferometric autocorrelation trace of an attosecond pulse train. <i>Physical Review A</i> , 2007, 75, .	1.0	28
70	Settling time of a vibrational wavepacket in ionization. <i>Nature Communications</i> , 2015, 6, 8197.	5.8	28
71	Nuclear dynamics on the light-dressed potential energy surface of CS ₂ by coincidence momentum imaging. <i>Chemical Physics Letters</i> , 2004, 388, 1-6.	1.2	27
72	Fixing chiral molecules in space by intense two-color phase-locked laser fields. <i>Chemical Physics Letters</i> , 2008, 451, 1-7.	1.2	26

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73	Hydrogen scrambling in ethane induced by intense laser fields: Statistical analysis of coincidence events. <i>Journal of Chemical Physics</i> , 2012, 136, 204309.	1.2	26
74	Intramolecular electron dynamics in the ionization of acetylene by an intense laser pulse. <i>Journal of Chemical Physics</i> , 2013, 138, 104304.	1.2	26
75	Duration of an intense laser pulse can determine the breakage of multiple chemical bonds. <i>Scientific Reports</i> , 2015, 5, 12877.	1.6	26
76	Broadband nano-focusing of high-order harmonics in soft X-ray region with ellipsoidal mirror. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	26
77	Path-selective investigation of intense laser-pulse-induced fragmentation dynamics in triply charged 1,3-butadiene. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 085603.	0.6	25
78	Coulomb explosion dynamics of N ₂ O in intense laser-field: Identification of new two-body and three-body fragmentation pathways. <i>Research on Chemical Intermediates</i> , 1998, 24, 765-784.	1.3	24
79	New $\tilde{X}^1\Sigma^+$ vibronic bands of laser-vaporized C ₃ . <i>Journal of Chemical Physics</i> , 1998, 109, 1810-1818.	1.2	24
80	Role of proton dynamics in efficient photoionization of hydrocarbon molecules. <i>Physical Review A</i> , 2014, 89, .	1.0	24
81	Laser induced fluorescence spectroscopy of the $B^1\Sigma^+ \leftarrow A^1\Sigma^+$ transition of Xe ₂ : Determination of the $B^1\Sigma^+$ state potential and evidence for a barrier to dissociation. <i>Journal of Chemical Physics</i> , 1994, 100, 6153-6159.	1.2	23
82	Time-dependent nuclear wavepacket dynamics of H ₂ by quasi-stationary Floquet approach. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 3919-3936.	0.6	23
83	Two-proton migration in 1,3-butadiene in intense laser fields. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12939.	1.3	23
84	Rydberg and ion-pair state mixing in the $1^1\Sigma^+ + u$ and $2^1\Sigma^+ + g$ vibronic states of Cl ₂ as studied by vacuum ultraviolet laser spectroscopy. <i>Journal of Chemical Physics</i> , 1990, 93, 111-120.	1.2	22
85	Interatomic potentials of singlet s -Rydberg series of a HgNe van der Waals dimer: Evidence for stabilization by superexchange interaction. <i>Journal of Chemical Physics</i> , 1995, 102, 1129-1140.	1.2	22
86	Real-time probing of alignment and structural deformation of CS ₂ in intense nanosecond laser fields. <i>Chemical Physics Letters</i> , 2001, 346, 379-386.	1.2	22
87	Direct observation of molecular alignment in an intense laser field by pulsed gas electron diffraction I: observation of anisotropic diffraction image. <i>Chemical Physics Letters</i> , 2002, 353, 27-32.	1.2	22
88	Probing the ultrafast nuclear motion in CS ₂ ⁺ in intense laser fields. <i>Journal of Chemical Physics</i> , 2005, 122, 151104.	1.2	22
89	Hydrogen migration and C-C bond breaking in 1,3-butadiene in intense laser fields studied by coincidence momentum imaging. <i>Chemical Physics Letters</i> , 2010, 484, 119-123.	1.2	22
90	Apparatus for laser-assisted electron scattering in femtosecond intense laser fields. <i>Review of Scientific Instruments</i> , 2011, 82, 123105.	0.6	22

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91	Classical-limit analysis of the normal-to-local transition by the algebraic effective Hamiltonian approach. <i>Journal of Chemical Physics</i> , 2001, 114, 9441-9452.	1.2	21
92	Fragmentation of long-lived hydrocarbons after strong field ionization. <i>Physical Review A</i> , 2016, 93, .	1.0	21
93	Strong-Field Fourier Transform Vibrational Spectroscopy of D_2 Using Few-Cycle Near-Infrared Laser Pulses. <i>Physical Review Letters</i> , 2018, 120, 263002.	2.9	21
94	Tunable vacuum ultraviolet photofragment excitation spectroscopy of OCS. <i>Journal of Chemical Physics</i> , 1994, 101, 836-839.	1.2	20
95	Three-photon double ionization of Ar studied by photoelectron spectroscopy using an extreme ultraviolet free-electron laser: manifestation of resonance states of an intermediate Ar ⁺ ion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 071001.	0.6	20
96	Two-body Coulomb explosion in methylacetylene in intense laser fields: double proton migration and proton/deuteron exchange. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4230.	1.3	20
97	Wave packet bifurcation in ultrafast hydrogen migration in CH ₃ OH ⁺ by pump-probe coincidence momentum imaging with few-cycle laser pulses. <i>Chemical Physics Letters</i> , 2015, 624, 78-82.	1.2	20
98	Population inversion in a strongly driven two-level system at far-off resonance. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 185603.	0.6	20
99	Intermultiplet interactions in normal and local mode molecules in the algebraic force-field expansion approach. <i>Journal of Chemical Physics</i> , 2000, 113, 7292-7305.	1.2	19
100	Ultrafast hydrogen scrambling in methylacetylene and methyl-d ₃ -acetylene ions induced by intense laser fields. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10640.	1.3	19
101	Simultaneous identification of multi-combustion-intermediates of alkanol-air flames by femtosecond filament excitation for combustion sensing. <i>Scientific Reports</i> , 2016, 6, 27340.	1.6	19
102	Hyperfine structure in thioformaldehyde. <i>Molecular Physics</i> , 1987, 62, 1429-1433.	0.8	18
103	Algebraic effective resonance Hamiltonian approach to highly excited SO ₂ (X̃ ¹ A ₁): Effect of bending excitation on local-mode bifurcation. <i>Journal of Chemical Physics</i> , 2002, 117, 1641-1648.	1.2	18
104	Non-Born-Oppenheimer molecular wave functions of H ₂ by extended multi-configuration time-dependent Hartree-Fock method. <i>Chemical Physics Letters</i> , 2014, 595-596, 180-184.	1.2	18
105	Algebraic force-field Hamiltonian expansion approach to linear polyatomic molecules. <i>Journal of Chemical Physics</i> , 2000, 113, 6063-6069.	1.2	17
106	Determination of the absolute carrier-envelope phase by angle-resolved photoelectron spectra of Ar by intense circularly polarized few-cycle pulses. <i>Physical Review A</i> , 2017, 95, .	1.0	17
107	Three-body sequential Coulomb explosions of CH ₃ OD ₃ ⁺ induced by intense laser fields. <i>Chemical Physics Letters</i> , 2006, 423, 187-191.	1.2	16
108	D ₃ ⁺ and H ₃ ⁺ in intense laser fields studied with a quasiclassical model. <i>Physical Review A</i> , 2012, 85, .	1.0	16

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109	Nonlinear Fourier transformation spectroscopy of small molecules with intense attosecond pulse train. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124007.	0.6	16
110	Entanglement and coherence in photoionization of H by an ultrashort XUV laser pulse. Physical Review A, 2019, 100, .	1.0	16
111	Mechanism of population inversion in laser-driven N_2^+ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 055401.	0.6	16
112	Vibrational spectroscopy and predissociation dynamics of the electronically excited $HgAr_2$ triatomic cluster. Journal of Chemical Physics, 1992, 97, 2305-2317.	1.2	15
113	Hydrogen Migration in Acetonitrile in Intense Laser Fields Studied by Coincidence Momentum Imaging. Physica Scripta, 2004, 110, 108.	1.2	15
114	Protonic structure of CH_3OH described by electroprotonic wave functions. Physical Review A, 2012, 85, .	1.0	15
115	Quantum Mechanics of Molecular Structures. , 2012, , .		15
116	Development of high-order harmonic focusing system based on ellipsoidal mirror. Review of Scientific Instruments, 2016, 87, 051803.	0.6	15
117	Optimization of N_2 laser through population depletion in the N_2 $1\sigma_g$ state. Physical Review A, 2013, 87, 053401.	1.3	15
118	Resonance-state selective photodissociation of $OCS(2\sigma^+)$: Rotational and vibrational distributions of CO fragments. Journal of Chemical Physics, 2000, 113, 6598-6607.	1.2	14
119	Formation of $[C_5H_6(NH_3)_2]^+$ and $[NH_4(NH_3)]^+$ ($m=1-3$) from size-selected aniline-ammonia cluster cations in intense laser fields. Chemical Physics Letters, 2004, 396, 208-212.	1.2	14
120	Rovibrational Resonances in $H_2^+He^+$. Journal of Chemical Theory and Computation, 2018, 14, 1523-1533.	2.3	14
121	Tunable vacuum ultraviolet laser spectroscopy of $XeAr$ and $XeNe$ near 68000 cm^{-1} : Interatomic potentials mediated by a $6s$ Rydberg electron. Journal of Chemical Physics, 1996, 105, 1825-1832.	1.2	13
122	Photoelectron spectroscopy of two-photon ionisation of rare-gas atoms by multiple high order harmonics. Applied Physics B: Lasers and Optics, 2006, 83, 203-211.	1.1	13
123	Ionization of H_2^+ in intense laser fields: Excited state dynamics. Laser Physics, 2009, 19, 1712-1722.	0.6	13
124	LIMAO: Cross-platform software for simulating laser-induced alignment and orientation dynamics of linear-, symmetric- and asymmetric tops. Computer Physics Communications, 2018, 228, 219-228.	3.0	13
125	Response to "Comment on 'State-specific unimolecular reaction of NO_2 just above the dissociation threshold'". J. Chem. Phys. 100, 4714 (1994)]. Journal of Chemical Physics, 1994, 100, 4716-4717.	1.2	12
126	Electronic structure of metal-rare gas dimers with sp configuration: Application to strong spin-orbit interaction in $HgAr$. Journal of Chemical Physics, 1996, 104, 9376-9387.	1.2	12

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127	Direct observation of molecular alignment in an intense laser field by pulsed gas electron diffraction II: analysis of anisotropic diffraction image. <i>Chemical Physics Letters</i> , 2002, 353, 33-39.	1.2	12
128	Photodecomposition reaction of trapped aniline cation by photofragment excitation spectroscopy. <i>Chemical Physics Letters</i> , 2004, 397, 237-241.	1.2	12
129	New Scheme for Extracting Molecular Dynamics from Spectra: Case Study on Vibrationally Highly Excited Acetylene. <i>Laser Chemistry</i> , 1994, 14, 183-190.	0.5	11
130	Dissociative ionization of ethanol by 400nm femtosecond laser pulses. <i>Journal of Chemical Physics</i> , 2006, 125, 184311.	1.2	11
131	Controlling the dissociative ionization of ethanol with 800 and 400nm two-color femtosecond laser pulses. <i>Journal of Chemical Physics</i> , 2007, 127, 124312.	1.2	11
132	Ultrafast delocalization of hydrogen atoms in allene in intense laser fields. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 941-945.	1.1	11
133	Frequency-resolved optical gating technique for retrieving the amplitude of a vibrational wavepacket. <i>Scientific Reports</i> , 2015, 5, 11366.	1.6	11
134	Full-dimensional simulation of the laser-induced alignment dynamics of $H_2^+He^{++}$. <i>Molecular Physics</i> , 2017, 115, 1916-1926.	0.8	11
135	Switching Competition between Electron and Energy Transfers in Porphyrin-Fullerene Dyads. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10899-10912.	1.2	11
136	Generalized Phase Sensitivity of Directional Bond Breaking in the Laser-Molecule Interaction. <i>Physical Review Letters</i> , 2020, 125, 023202.	2.9	11
137	Surface processing of PMMA and metal nano-particle resist by sub-micrometer focusing of coherent extreme ultraviolet high-order harmonics pulses. <i>Optics Letters</i> , 2020, 45, 2926.	1.7	11
138	Suppression of decomposition of aniline cation in intense laser fields by cluster formation with ammonia molecules. <i>Journal of Chemical Physics</i> , 2002, 116, 9697-9702.	1.2	10
139	Angular dependence of ionization probability of C_2H_2 in a linearly polarized intense laser field. <i>Chemical Physics Letters</i> , 2016, 662, 235-239.	1.2	10
140	Femtosecond Laser-Assisted Electron Scattering for Ultrafast Dynamics of Atoms and Molecules. <i>Atoms</i> , 2019, 7, 85.	0.7	10
141	Ionization and dissociation dynamics of H_2O in ultrashort intense near-IR laser fields by the time-dependent adiabatic state method and the time-dependent configuration interaction method. <i>Chemical Physics Letters</i> , 2020, 742, 137165.	1.2	10
142	Ionization and electron excitation of C_{60} in a carbon nanotube: A variable temperature/voltage transmission electron microscopic study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200290119.	3.3	10
143	Photofragment emission yield spectroscopy of acetylene in the $D_1^1\Sigma_u^+$, $d^1_4^1\Sigma_1A$, and $F_1^1\Sigma_u^+$ states by vacuum ultraviolet and infrared vacuum ultraviolet double-resonance laser excitations. <i>Journal of Chemical Physics</i> , 2002, 117, 1040-1046.	1.2	9
144	Numerical simulation of THz-wave-assisted electron diffraction for ultrafast molecular imaging. <i>Physical Review A</i> , 2017, 95, .	1.0	9

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145	Calculation of vibrational eigenenergies on a quantum computer: Application to the Fermi resonance in CO_2 . Physical Review A, 2021, 103, .	1.0	9
146	Mass-resolved VUV laser spectroscopy of XeAr: Two competing predissociation pathways in the C1 state. Journal of Chemical Physics, 1998, 108, 5330-5337.	1.2	8
147	Decomposition of the configuration-interaction coefficients in the multiconfiguration time-dependent Hartree-Fock method. Journal of Chemical Physics, 2016, 144, 154111.	1.2	8
148	Triaryl-substituted pyrrolo-p-phenylene-linked porphyrin-fullerene dyads: Expanding the structural diversity of photoactive materials. Tetrahedron, 2018, 74, 3007-3019.	1.0	8
149	Strong-field Fourier transform vibrational spectroscopy of methanol cation and its isotopologues using few-cycle near-infrared laser pulses. Molecular Physics, 2019, 117, 1732-1740.	0.8	8
150	Rotationally induced population inversion between the $B^2\Sigma^+$ and $X^2\Sigma^+$ states of CO^+ . Physical Review A, 2019, 100, 043407.	1.0	8
151	Single-shot achromatic imaging for broadband soft x-ray pulses. Optics Letters, 2020, 45, 515.	1.7	8
152	\hat{C} -type doubling reversal in the $B^1\Sigma^+$ state of 200HgAr as a probe of the long-range potential of the $A^3\Sigma^+$ state. Journal of Chemical Physics, 1998, 108, 9202-9205.	1.2	7
153	Non-adiabatic transition in $\text{C}_2\text{H}_5\text{OH}^+$ on a light-dressed potential energy surface by ultrashort pump-and-probe laser pulses. Applied Physics B: Lasers and Optics, 2010, 98, 275-282.	1.1	7
154	Amplified spontaneous $B^3\Pi_g$ emission and rotational and vibrational state distributions in $C^3\Pi_u$ state of N_2 in femtosecond laser induced filament in air. Chemical Physics Letters, 2013, 581, 21-25.	1.2	7
155	High-order multiphoton laser-assisted elastic electron scattering by Xe in a femtosecond near-infrared intense laser field: Plateau in energy spectra of scattered electrons. Physical Review A, 2017, 95, .	1.0	7
156	Time-dependent multiconfiguration method applied to laser-driven $H^2\Sigma^+$. Physical Review A, 2019, 99, .	1.0	7
157	Ultrafast Hydrogen Migration in Hydrocarbon Molecules Driven by Intense Laser Fields. Springer Series in Chemical Physics, 2011, , 35-52.	0.2	7
158	Severely perturbed vibrational structure in the $266\text{--}310\text{ nm}$ electronic transition of C_3 . Journal of Chemical Physics, 2000, 113, 10999-11008.	1.2	6
159	Suppression of decomposition of aniline cation in intense laser fields by cluster formation with NH_3 and H_2O . Journal of Photochemistry and Photobiology A: Chemistry, 2003, 158, 77-81.	2.0	6
160	Extremely enhanced N_2^+ lasing in a filamentary plasma grating in ambient air. Optics Letters, 2021, 46, 3404.	1.7	6
161	Excited-state populations in the multiconfiguration time-dependent Hartree-Fock method. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 105601.	0.6	5
162	300-attosecond response of acetylene in two-photon ionization/dissociation processes. Optica, 2021, 8, 1075.	4.8	5

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181	Absolute carrier-envelope-phase dependences of single and double ionization of methanol in a near-IR few-cycle laser field. <i>Journal of Chemical Physics</i> , 2020, 152, 194304.	1.2	2
182	Spin-orbit splitting of Ar ⁺ , Kr ⁺ , and Kr ²⁺ determined by strong-field ultrahigh-resolution Fourier-transform spectroscopy. <i>Physical Review A</i> , 2021, 104, .	1.0	2
183	Laser-Assisted Electron Scattering and Diffraction in Ultrashort Intense Laser Fields. <i>Springer Series in Chemical Physics</i> , 2014, , 1-16.	0.2	2
184	Classical Trajectory Methods for Simulation of Laser-Atom and Laser-Molecule Interaction. <i>Springer Series in Chemical Physics</i> , 2015, , 21-44.	0.2	2
185	Laser-Assisted Electron Scattering and Diffraction for Ultrafast Imaging of Atoms and Molecules. <i>Springer Series in Chemical Physics</i> , 2017, , 47-52.	0.2	2
186	Nonlinear Interaction of Attosecond XUV Pulses with Atoms and Molecules. <i>The Review of Laser Engineering</i> , 2007, 35, 697-704.	0.0	2
187	Breakdown of Born-Oppenheimer Approximation as a Physical Mechanism for Ultrafast Hydrogen Migrations in Strong Laser Driven Molecules. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1207-1211.	0.8	1
188	Ultrafast Femtosecond Dynamics and High-Resolution Spectroscopy of Molecular Cations. , 2021, , 283-300.		1
189	Coulomb explosion dynamics of N ₂ O in intense laser-field: Identification of new two-body and three-body fragmentation pathways. , 1998, 24, 765.		1
190	Laser-Assisted Electron Scattering and Its Application to Laser-Assisted Electron Diffraction of Molecules in Femtosecond Intense Laser Fields. <i>Springer Proceedings in Physics</i> , 2012, , 351-356.	0.1	1
191	Observation of laser-assisted electron-impact ionization in ultrashort intense laser fields. <i>Physical Review A</i> , 2021, 104, .	1.0	1
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