Hai-Feng Xu

List of Publications by Year
in descending order

73	617	706676 14	843174 20
papers	citations	h-index	g-index

73	73	73	616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Channel Coupling Dynamics of Deep-Lying Orbitals in Molecular High-Harmonic Generation. Physical Review Letters, 2022, 128, 183202.	2.9	13
2	Theoretical Study on the Structure and Dissociation Mechanism of Electronic Excited States of Nitrosyl Bromide Molecules. Journal of Physical Chemistry A, 2022, 126, 2936-2941.	1.1	1
3	Spectroscopic properties and spinâ€“orbit coupling of electronic excited states of the germanium dimer. Physical Chemistry Chemical Physics, 2021, 23, 1103-1113.	1.3	7
4	Strong Field Ionization-Photofragmentation on Ultrafast Evolution of Electronic States of Toluene Cations. Journal of Physical Chemistry A, 2021, 125, 2095-2100.	1.1	2
5	Enhanced single-photon double ionization near threshold of substituted benzenes by synchrotron radiation. Chemical Physics Letters, 2021, 785, 139144.	1.2	1
6	Electronic structure and spectroscopy of the low-lying electronic states of thallium fluoride: MRCIÂ+ÂQ study including spin-orbit coupling. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 243, 106817.	1.1	6
7	Ionic Angular Distributions Induced by Strong-Field Ionization of Tri-Atomic Molecules*. Chinese Physics Letters, 2020, 37, 043301.	1.3	6
8	Non-sequential double ionization of triatomic molecules OCS in intense laser fields. Chemical Physics Letters, 2020, 747, 137326.	1.2	2
9	Theoretical study on predissociation of B3Î£uâ¯ of sulfur dimer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 241, 118679.	2.0	5
10	Spectroscopic constants and spin-orbit coupling in the low-lying electronic states of AsBr. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 251, 107049.	1.1	5
11	Quantum interference of multi-orbital effects in high-harmonic spectra from aligned carbon dioxide and nitrous oxide. Chinese Physics B, 2019, 28, 094207.	0.7	4
12	Resolving multi-orbital effects on high harmonic generation from aligned N 2 molecules in linearly and elliptically polarized intense laser fields. Chinese Physics B, 2019, 28, 094211.	0.7	4
13	Ultrafast Evolution of B²E_{2g} - X²E_{1g} Conical Intersection of Benzene Cations by Strong Field Ionization-Photo Fragmentation. Journal of Physical Chemistry A, 2019, 123, 8365-8369.	1.1	4
14	Laser-cooling with an intermediate electronic state: Theoretical prediction on bismuth hydride. Journal of Chemical Physics, 2019, 150, 224305.	1.2	16
15	Effect of laser polarization on strong-field ionization and fragmentation of nitrous oxide molecules. Chinese Physics B, 2019, 28, 053301.	0.7	1
16	Low-lying electronic states of aluminum monoiodide. Chinese Physics B, 2019, 28, 043101.	0.7	1
17	Spin-orbit coupling in low-lying electronic states of mercury hydride. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 229, 120-129.	1.1	2
18	Interaction and Photodissociation of Electronic Excited States of HS₂ in the Ultraviolet Region: A Theoretical Contribution. Journal of Physical Chemistry A, 2019, 123, 3435-3440.	1.1	2

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19	Quantum dynamics of atomic Rydberg excitation in strong laser fields. Optics Express, 2019, 27, 31629.	1.7	27
20	Accurate spectroscopic constants of the lowest three electronic states in halonitrenes with multireference configuration interaction. International Journal of Quantum Chemistry, 2018, 118, e25649.	1.0	1
21	High-Order harmonic generation of aligned acetylene in elliptically polarized strong laser fields. Chinese Journal of Chemical Physics, 2018, 31, 471-476.	0.6	4
22	Laser cooling of thallium chloride: A theoretical investigation. Journal of Chemical Physics, 2018, 149, 094306.	1.2	18
23	Enhanced ionization of vibrational hot carbon disulfide molecules in strong femtosecond laser fields. Chinese Physics B, 2018, 27, 063301.	0.7	2
24	Configuration interaction study on the low-lying electronic states of strontium hydride cation including spin-orbit coupling. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 180, 29-36.	2.0	3
25	Multireference configuration interaction study on the ground and excited electronic states of the AlO + molecule. Computational and Theoretical Chemistry, 2017, 1117, 258-265.	1.1	10
26	Exploring the structure and photodissociation mechanism of the electronic states of iodocarbene, CHI: a theoretical contribution. Physical Chemistry Chemical Physics, 2017, 19, 17735-17744.	1.3	4
27	Dissociative ionization and Coulomb explosion of CH3I in intense femto second laser fields. European Physical Journal D, 2017, 71, 1.	0.6	15
28	Ionization Suppression of Heteronuclear Diatomic and Triatomic Molecules in Strong Infrared Laser Fields. Chinese Journal of Chemical Physics, 2017, 30, 631-636.	0.6	3
29	Exploration of strong-field double ionization of CS 2 molecule in bichromatic counterrotating circularly polarized laser fields. Optics Communications, 2016, 380, 462-468.	1.0	3
30	Identification of the cationic excited state of cyclopentanone via time-resolved Ion yield measurements. Chemical Physics Letters, 2016, 654, 18-22.	1.2	9
31	Comparative study on atomic and molecular Rydberg-state excitation in strong infrared laser fields. Physical Review A, 2016, 93, .	1.0	38
32	Experimental and theoretical study on nonsequential double ionization of carbon disulfide in strong near-IR laser fields. Physical Review A, 2016, 93, .	1.0	18
33	Ellipticity dependence of neutral Rydberg excitation of atoms in strong laser fields. Physical Review A, 2016, 94, .	1.0	19
34	Configuration Interaction Study on the AlBr Molecule Including Spinâ€“Orbit Coupling. Journal of Physical Chemistry A, 2016, 120, 8786-8793.	1.1	5
35	Extensive spinâ€“orbit multi-reference computations on the excited states of the phosphorus monochloride molecule. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 180, 154-166.	1.1	11
36	Stability and isomerization reactions of phenyl cation C6H5+ isomers. Chemical Physics, 2016, 467, 13-20.	0.9	2

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37	Configuration interaction study on the ground and excited electronic states of the SrH molecule. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 170, 169-181.	1.1	2
38	Accurate potential energy functions, non-adiabatic and spinâ€“orbit couplings in the ZnH+ system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 156, 9-14.	2.0	3
39	Theoretical study on the low-lying excited states of the phosphorus monoiodide (PI) including the spinâ€“orbit coupling. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 168, 66-77.	1.1	15
40	Ionizations and fragmentations of benzene, methylbenzene, and chlorobenzene in strong IR and UV laser fields. Chinese Physics B, 2015, 24, 113301.	0.7	6
41	Ellipticity-dependent ionization/dissociation of carbon dioxide in strong laser fields. Chinese Physics B, 2015, 24, 033302.	0.7	6
42	Ab initioMRCI+Q study on the low-lying excited states of the PBr radical including spinâ€“orbit coupling^{â€}. Molecular Physics, 2015, 113, 3312-3324.	0.8	10
43	Examination of Potential Energy Curves of CFCl by Multi-reference Configuration Interaction Method. Chinese Physics Letters, 2015, 32, 123101.	1.3	3
44	All-electron spinâ€“orbit configuration interaction study on the valence and low-lying Rydberg electronic states of GeH. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 157, 42-53.	1.1	16
45	Rydberg excitation of neutral nitric oxide molecules in strong UV and near-IR laser fields. Chinese Physics B, 2015, 24, 063303.	0.7	5
46	Multireference configuration interaction study of dichlorocarbene. Chemical Physics, 2015, 459, 54-58.	0.9	4
47	Theoretical Study on the Excited Electronic States of CHCl: Application to Photodissociation at 193 nm. Journal of Physical Chemistry A, 2015, 119, 10309-10315.	1.1	5
48	Ionization and dissociation of linear triatomic molecules in strong laser fields. International Journal of Mass Spectrometry, 2015, 392, 80-85.	0.7	7
49	Spectroscopic properties and radiative lifetimes of SiTe: A high-level multireference configuration interaction investigation. Chinese Physics B, 2014, 23, 053101.	0.7	4
50	Geometries, vibrational frequencies, and excitation energies of a series of fluorine-substituted carbenes, FCX (Xâ€‰=â€‰H, F, Cl, Br, and I): A high-level multireference configuration interaction study. International Journal of Quantum Chemistry, 2014, 114, 66-73.	1.0	8
51	Spinâ€“orbit all-electron configuration interaction study on the electronic structure and radiative lifetimes of low-lying excited states of CdH. Chemical Physics Letters, 2014, 599, 51-56.	1.2	9
52	Theoretical investigation of potential energy curves and radiative lifetimes of low-lying electronic states in GeH+ radical cation. Chemical Physics Letters, 2014, 594, 6-12.	1.2	10
53	All-Electron Relativistic Multireference Configuration Interaction Investigation of Fluoroiodo Carbene. Journal of Physical Chemistry A, 2014, 118, 2447-2452.	1.1	7
54	Potential Energy Curves and Lifetimes of Low-Lying Excited Electronic States of CSe Studied by Configuration Interaction Method. Journal of Physical Chemistry A, 2014, 118, 2629-2637.	1.1	6

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55	Multireference configuration interaction study on the potential energy curves and radiative lifetimes of low-lying excited states of CdH+ cation. Chemical Physics, 2014, 443, 142-148.	0.9	14
56	Ab initio CI calculations on potential energy curves of low-lying states of BrF and its cation including spinâ€“orbit coupling. Computational and Theoretical Chemistry, 2014, 1032, 20-26.	1.1	5
57	Configuration interaction investigation including spinâ€“orbit coupling effect for electronic states of IBr and its cation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 271-280.	1.1	8
58	Neutral Rydberg-state excitation of atoms and diatomic molecules in strong laser fields. Journal of Physics: Conference Series, 2014, 488, 032036.	0.3	1
59	Ab initio MRCI+Q Investigations of Spectroscopic Properties of Several Low-lying Electronic States of S₂⁺Cation. Bulletin of the Korean Chemical Society, 2014, 35, 1397-1402.	1.0	0
60	Ab Initio MRCI+Q Study on Low-Lying States of CS Including Spinâ€“Orbit Coupling. Journal of Physical Chemistry A, 2013, 117, 2373-2382.	1.1	20
61	Ab initio study on the potential energy surfaces of NCO2+. Chemical Physics Letters, 2013, 577, 22-26.	1.2	4
62	Analysis of Potential Energy Surface for Butanone Isomerization. Chinese Journal of Chemical Physics, 2013, 26, 519-525.	0.6	3
63	Ab initioMRCI + Q study on potential energy curves and spectroscopic parameters of low-lying electronic states of CS⁺. Chinese Physics B, 2013, 22, 123103.	0.7	10
64	Observation of Competition from Dissociative Ionization of CH3I in Intense Femtosecond Laser Fields. Journal of Physics: Conference Series, 2012, 388, 032065.	0.3	0
65	An ab Initio Investigation of Fluorobromo Carbene. Journal of Physical Chemistry A, 2012, 116, 10435-10440.	1.1	11
66	Ultrafast dynamics and dissociative ionization of CS2 molecules studied via the femtosecond pump-probe method. Science Bulletin, 2011, 56, 855-861.	1.7	2
67	Ultrafast Photodissociation Dynamics of the F State of Sulfur Dioxide by Femtosecond Time-Resolved Pump-Probe Method. Chinese Physics Letters, 2011, 28, 033301.	1.3	6
68	High temporal resolution monitoring of enzyme reaction and inhibition using optically gated vacancy capillary electrophoresis and immobilized enzyme. Analytica Chimica Acta, 2010, 683, 136-142.	2.6	15
69	Modeling of femtosecond laser damage threshold on the two-layer metal films. Applied Surface Science, 2010, 257, 1678-1683.	3.1	57
70	Angular distributions of fragment ions in dissociative ionization of CH₂I₂molecules in intense laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 025102.	0.6	16
71	Channel switching effect in photodissociating N2O+ ion at 312.5 nm. Journal of Chemical Physics, 2004, 121, 3069-3073.	1.2	20
72	Ãƒâ€Š2Îu state-intermediated two-photon dissociation of CS2+ via the first channel. Journal of Chemical Physics, 2001, 114, 10768-10772.	1.2	25

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73	Ultrafast timeâ€resolved polarizationâ€dependent investigations on the dynamics in the Ãƒ2B2 state of NO2 molecules. ChemPhysChem, 0, , .	1.0	0