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73
papers

329
citations

9
h-index

13
g-index

75
ext. papers

387
ext. citations

2.4
avg, IF

3.17
L-index

#	Paper	IF	Citations
73	Ab initio MRCI+Q study on low-lying states of CS including spin-orbit coupling. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 2373-82	2.8	19
72	Theoretical study on the low-lying excited states of the phosphorus monoiodide (PI) including the spin-orbit coupling. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016 , 168, 66-77	2.1	15
71	Laser cooling of thallium chloride: A theoretical investigation. <i>Journal of Chemical Physics</i> , 2018 , 149, 094306	3.9	15
70	Ab initio calculations on potential energy curves and radiative lifetimes for the band systems A(2)X(2)Q(+) of magnesium monohalides MgX (X=F, Cl, Br, I). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 150, 499-503	4.4	14
69	Planar tetracoordinate carbon species CLi3E with 12-valence-electrons. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 4589-93	3.6	14
68	Multiorbital effects in strong-field ionization and dissociation of aligned polar molecules CH3I and CH3Br. <i>Physical Review A</i> , 2017 , 96,	2.6	14
67	Multireference configuration interaction study on the potential energy curves and radiative lifetimes of low-lying excited states of CdH+ cation. <i>Chemical Physics</i> , 2014 , 443, 142-148	2.3	13
66	Dissociative ionization and Coulomb explosion of CH3I in intense femto second laser fields. <i>European Physical Journal D</i> , 2017 , 71, 1	1.3	11
65	All-electron spin-orbit configuration interaction study on the valence and low-lying Rydberg electronic states of GeH. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015 , 157, 42-53	2.1	9
64	Spin-orbit all-electron configuration interaction study on the electronic structure and radiative lifetimes of low-lying excited states of CdH. <i>Chemical Physics Letters</i> , 2014 , 599, 51-56	2.5	9
63	Ab initio MRCI+Q study on the low-lying excited states of the PBr radical including spin-orbit coupling. <i>Molecular Physics</i> , 2015 , 113, 3312-3324	1.7	9
62	Dissociation of internal energy-selected methyl bromide ion revealed from threshold photoelectron-photoion coincidence velocity imaging. <i>Journal of Chemical Physics</i> , 2014 , 140, 044312	3.9	9
61	Laser-cooling with an intermediate electronic state: Theoretical prediction on bismuth hydride. <i>Journal of Chemical Physics</i> , 2019 , 150, 224305	3.9	8
60	Laser cooling of the SiO+ molecular ion: A theoretical contribution. <i>Chemical Physics</i> , 2019 , 525, 110412	2.3	8
59	Cl-Loss dynamics in the dissociative photoionization of CFCl with threshold photoelectron-photoion coincidence imaging. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 4917-4925	3.6	8
58	Theoretical investigation of potential energy curves and radiative lifetimes of low-lying electronic states in GeH+ radical cation. <i>Chemical Physics Letters</i> , 2014 , 594, 6-12	2.5	8
57	Configuration interaction investigation including spin-orbit coupling effect for electronic states of IBr and its cation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014 , 133, 271-280	2.1	8

56	All-electron relativistic multireference configuration interaction investigation of fluoroiodo carbene. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 2447-52	2.8	7
55	An ab initio investigation of fluorobromo carbene. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 10435-40	2.8	7
54	Ab initio MRCI + Q study on potential energy curves and spectroscopic parameters of low-lying electronic states of CS ⁺ . <i>Chinese Physics B</i> , 2013 , 22, 123103	1.2	7
53	Geometries, vibrational frequencies, and excitation energies of a series of fluorine-substituted carbenes, FCX (X = H, F, Cl, Br, and I): A high-level multireference configuration interaction study. <i>International Journal of Quantum Chemistry</i> , 2014 , 114, 66-73	2.1	6
52	Classical dynamics of 3D Hydrogen molecular ion in intense laser fields. <i>Journal of Mathematical Chemistry</i> , 2008 , 43, 1052-1068	2.1	6
51	Potential energy curves and lifetimes of low-lying excited electronic states of CSe studied by configuration interaction method. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 2629-37	2.8	5
50	B 3 $\pi \rightarrow \pi^*$ transition in selenium dimer: ab initio multireference configuration interaction calculations. <i>Chinese Physics B</i> , 2011 , 20, 043101	1.2	5
49	Configuration Interaction Study on the AlBr Molecule Including Spin-Orbit Coupling. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 8786-8793	2.8	4
48	Ab initio MRCI+Q calculations on the low-lying excited states of the MgBr radical including spin-orbit coupling. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 161, 101-8	4.4	4
47	Ab initio CI calculations on potential energy curves of low-lying states of BrF and its cation including spin-orbit coupling. <i>Computational and Theoretical Chemistry</i> , 2014 , 1032, 20-26	2	4
46	Multi-reference configuration-interaction calculations on multiply charged ions of carbon monosulfide. <i>Chinese Physics B</i> , 2013 , 22, 023103	1.2	4
45	Ab initio study on the potential energy surfaces of NCO ²⁺ . <i>Chemical Physics Letters</i> , 2013 , 577, 22-26	2.5	4
44	Multireference calculation of lifetime of A 2 Σ^+ state in nitrogen-molecule cation. <i>Chinese Physics B</i> , 2010 , 19, 033303	1.2	4
43	High-Order harmonic generation of aligned acetylene in elliptically polarized strong laser fields. <i>Chinese Journal of Chemical Physics</i> , 2018 , 31, 471-476	0.9	4
42	Configuration interaction study on the low-lying electronic states of strontium hydride cation including spin-orbit coupling. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 180, 29-36	4.4	3
41	Theoretical Study on the Excited Electronic States of CHCl: Application to Photodissociation at 193 nm. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 10309-15	2.8	3
40	Exploring the geometrical structures of X ⁿ BnHnm [(X, m) = (B, +1), (C, +2) for n = 5; (X, m) = (Be, 0), (B, +1) for n = 6] by an electronic method. <i>New Journal of Chemistry</i> , 2015 , 39, 8630-8637	3.6	3
39	Comparison of high-order-harmonic generation on single-layer graphene flakes with armchair and zigzag types in an intense laser field. <i>Physical Review A</i> , 2016 , 93,	2.6	3

38	Theoretical Study on the Spectroscopic Parameters and Transition Properties of MgH Radical Including Spin-orbit Coupling. <i>Chinese Physics Letters</i> , 2016 , 33, 063102	1.8	3
37	Accurate potential energy functions, non-adiabatic and spin-orbit couplings in the ZnH(+) system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 156, 9-14	4.4	3
36	Exploring the structure and photodissociation mechanism of the electronic states of iodocarbene, CHI: a theoretical contribution. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 17735-17744	3.6	3
35	Spectroscopic properties and radiative lifetimes of SiTe: A high-level multireference configuration interaction investigation. <i>Chinese Physics B</i> , 2014 , 23, 053101	1.2	3
34	Analysis of Potential Energy Surface for Butanone Isomerization. <i>Chinese Journal of Chemical Physics</i> , 2013 , 26, 519-525	0.9	3
33	(Cyclopentadienyl)nitrosylmanganese Compounds: The Original Molecules Containing Bridging Nitrosyl Groups. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3982-3992	2.3	3
32	Theoretical study of potential energy curves, spectroscopic constants, and radiative lifetimes of low-lying states in an SeO molecule. <i>Chinese Physics B</i> , 2012 , 21, 123102	1.2	3
31	A theoretical study of the reaction of La ⁺ with N ₂ O in the gas phase. <i>Computational and Theoretical Chemistry</i> , 2010 , 944, 89-96		3
30	Spin-orbit coupling in low-lying electronic states of mercury hydride. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019 , 229, 120-129	2.1	2
29	Multireference configuration interaction study of dichlorocarbene. <i>Chemical Physics</i> , 2015 , 459, 54-58	2.3	2
28	Theoretical study on predissociation of B ₂ S ₂ sulfur dimer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 241, 118679	4.4	2
27	Electronic structures and spectroscopic properties of CdI: MRCI+Q study including spin-orbit coupling. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018 , 205, 71-79	2.1	2
26	Stability and isomerization reactions of phenyl cation C ₆ H ₅ ⁺ isomers. <i>Chemical Physics</i> , 2016 , 467, 13-20	2.3	2
25	Configuration interaction study on the ground and excited electronic states of the SrH molecule. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016 , 170, 169-181	2.1	2
24	Examination of Potential Energy Curves of CFCl by Multi-reference Configuration Interaction Method. <i>Chinese Physics Letters</i> , 2015 , 32, 123101	1.8	2
23	Ab initio study on the low-lying excited states of gas-phase PH(+) cation including spin-orbit coupling. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 142, 1-7	4.4	2
22	Multireference calculations on low-lying states and the X ³ Σ ⁻ absorption spectra of indium dimers. <i>Chinese Physics B</i> , 2013 , 22, 043102	1.2	2
21	Electronic structure and spectroscopy of the low-lying electronic states of thallium fluoride: MRCI+Q study including spin-orbit coupling. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020 , 243, 106817	2.1	2

20	MRCI+Q study on the electronic structure and spectroscopy of the low-lying electronic states of HgBr including spin-orbit coupling. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020 , 256, 107303	2.1	2
19	Spin-orbit calculations on the ground and excited electronic states of CdBr molecule. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018 , 221, 110-117	2.1	2
18	Accurate calculation of the potential energy curve and spectroscopic parameters of X 2 Σ^+ state of 12 Mg 1 H. <i>Chinese Physics B</i> , 2015 , 24, 043401	1.2	1
17	Accurate spectroscopic constants of the lowest three electronic states in halonitrenes with multireference configuration interaction. <i>International Journal of Quantum Chemistry</i> , 2018 , 118, e25649 ^{2.1}	2.1	1
16	Exploring the excited states of the GeH radical cation including spin-orbit interaction: A revisited study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 247, 119147	4.4	1
15	Linear group 13 E[triple bond, length as m-dash]E triple bonds. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 11611-11615	3.6	1
14	Predissociation resonances and accurate calculations of dication HF.. <i>RSC Advances</i> , 2021 , 11, 9600-9607 ^{3.7}	3.7	1
13	Configuration interaction calculations on the spectroscopic and transition properties of magnesium chloride. <i>Chinese Physics B</i> , 2018 , 27, 083101	1.2	1
12	Configuration interaction studies on the spectroscopic properties of PbO including spin-orbit coupling. <i>Chinese Physics B</i> , 2016 , 25, 073101	1.2	0
11	Spectroscopic constants and transition properties of the SnH molecule: An all-electron MRCI calculation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021 , 266, 107593	2.1	0
10	A revisited study of the low-lying electronic states of HF molecule. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021 , 271, 107737	2.1	0
9	Electronic structure and spectroscopy of low-lying electronic states for SH+: MRCI-F12 study including spin-orbit coupling. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021 , 267, 107624 ^{2.1}	2.1	0
8	Spectroscopic properties and spin-orbit coupling of electronic excited states of the germanium dimer. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 1103-1113	3.6	0
7	Low-lying electronic states in thallium hydride with multireference configuration interaction calculation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021 , 270, 107667	2.1	0
6	Spectroscopy and laser cooling of SiBr: A computational perspective.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 273, 121042	4.4	0
5	Potential energy curves crossing and low-energy charge transfer dynamics in (BeH2O)2+ complex. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012 , 55, 1258-1262	3.6	
4	nnConfiguration interaction study on excited electronic states and radiative lifetimes of SnI including spin-orbit coupling. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022 , 108118 ^{2.1}	2.1	
3	Extensive spin-orbit multi-reference study on low-lying electronic states of HgI. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021 , 277, 107993	2.1	

- 2 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 1.2
- 1 Theoretical study on the electronic structure of NaS including spin-orbit coupling. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2021**, 262, 107520 2.1