

## List of Publications by Year in descending order

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183  
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#	ARTICLE	IF	CITATIONS
1	The equation of motion coupled-cluster method. A systematic biorthogonal approach to molecular excitation energies, transition probabilities, and excited state properties. <i>Journal of Chemical Physics</i> , 1993, 98, 7029-7039.	1.2	2,168
2	HEAT: High accuracy extrapolated ab initio thermochemistry. <i>Journal of Chemical Physics</i> , 2004, 121, 11599-11613.	1.2	691
3	Analytic energy derivatives for ionized states described by the equation of motion coupled cluster method. <i>Journal of Chemical Physics</i> , 1994, 101, 8938-8944.	1.2	534
4	The ACES II program system. <i>International Journal of Quantum Chemistry</i> , 1992, 44, 879-894.	1.0	404
5	Why CCSD(T) works: a different perspective. <i>Chemical Physics Letters</i> , 1997, 281, 130-134.	1.2	395
6	Coupled-cluster techniques for computational chemistry: The CFOUR program package. <i>Journal of Chemical Physics</i> , 2020, 152, 214108.	1.2	375
7	High-accuracy extrapolated ab initio thermochemistry. III. Additional improvements and overview. <i>Journal of Chemical Physics</i> , 2008, 128, 114111.	1.2	367
8	Perturbative treatment of triple excitations in coupled-cluster calculations of nuclear magnetic shielding constants. <i>Journal of Chemical Physics</i> , 1996, 104, 2574-2583.	1.2	359
9	The accurate determination of molecular equilibrium structures. <i>Journal of Chemical Physics</i> , 2001, 114, 6548-6556.	1.2	353
10	Coupled-cluster methods including noniterative corrections for quadruple excitations. <i>Journal of Chemical Physics</i> , 2005, 123, 054101.	1.2	344
11	Analytic CCSD(T) second derivatives. <i>Chemical Physics Letters</i> , 1997, 276, 70-77.	1.2	312
12	High-accuracy extrapolated ab initio thermochemistry. II. Minor improvements to the protocol and a vital simplification. <i>Journal of Chemical Physics</i> , 2006, 125, 064108.	1.2	312
13	Quantum-chemical calculation of spectroscopic parameters for rotational spectroscopy. <i>International Reviews in Physical Chemistry</i> , 2010, 29, 273-367.	0.9	288
14	IUPAC Critical Evaluation of Thermochemical Properties of Selected Radicals. Part I. <i>Journal of Physical and Chemical Reference Data</i> , 2005, 34, 573-656.	1.9	283
15	Coupled-cluster calculations of nuclear magnetic resonance chemical shifts. <i>Journal of Chemical Physics</i> , 1995, 103, 3561-3577.	1.2	257
16	Coupled-cluster open-shell analytic gradients: Implementation of the direct product decomposition approach in energy gradient calculations. <i>Journal of Chemical Physics</i> , 1991, 95, 2623-2638.	1.2	248
17	A direct product decomposition approach for symmetry exploitation in many-body methods. I. Energy calculations. <i>Journal of Chemical Physics</i> , 1991, 94, 4334-4345.	1.2	246
18	Quantitative prediction of gas-phase <sup>13</sup> C nuclear magnetic shielding constants. <i>Journal of Chemical Physics</i> , 2003, 118, 10407-10417.	1.2	246

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19	Molecular equilibrium structures from experimental rotational constants and calculated vibration-rotation interaction constants. <i>Journal of Chemical Physics</i> , 2002, 116, 6482-6496.	1.2	245
20	The equilibrium structure and fundamental vibrational frequencies of dioxirane. <i>Journal of Chemical Physics</i> , 1998, 108, 7190-7196.	1.2	244
21	Analytic second derivatives in high-order many-body perturbation and coupled-cluster theories: Computational considerations and applications. <i>International Reviews in Physical Chemistry</i> , 2000, 19, 61-95.	0.9	233
22	Many-body perturbation theory with a restricted open-shell Hartree-Fock reference. <i>Chemical Physics Letters</i> , 1991, 187, 21-28.	1.2	232
23	Perturbative treatment of the similarity transformed Hamiltonian in equation-of-motion coupled-cluster approximations. <i>Journal of Chemical Physics</i> , 1995, 103, 1064-1076.	1.2	227
24	Analytic energy gradients for open-shell coupled-cluster singles and doubles (CCSD) calculations using restricted open-shell Hartree-Fock (ROHF) reference functions. <i>Chemical Physics Letters</i> , 1991, 182, 207-215.	1.2	209
25	On the extent of spin contamination in open-shell coupled-cluster wave functions. <i>Journal of Chemical Physics</i> , 1994, 101, 371-374.	1.2	205
26	Gauge-invariant calculation of nuclear magnetic shielding constants at the coupled-cluster singles and doubles level. <i>Journal of Chemical Physics</i> , 1995, 102, 251-253.	1.2	205
27	Analytic calculation of the diagonal Born-Oppenheimer correction within configuration-interaction and coupled-cluster theory. <i>Journal of Chemical Physics</i> , 2006, 125, 144111.	1.2	182
28	Many-body methods for excited state potential energy surfaces. I. General theory of energy gradients for the equation-of-motion coupled-cluster method. <i>Journal of Chemical Physics</i> , 1993, 99, 8840-8847.	1.2	176
29	On the choice of orbitals for symmetry breaking problems with application to NO <sub>3</sub> . <i>Journal of Chemical Physics</i> , 1992, 97, 5554-5559.	1.2	165
30	Calculation of Vibrational Transition Frequencies and Intensities in Water Dimer: Comparison of Different Vibrational Approaches. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4324-4335.	1.1	165
31	A simple scheme for the direct calculation of ionization potentials with coupled-cluster theory that exploits established excitation energy methods. <i>Journal of Chemical Physics</i> , 1999, 111, 8785-8788.	1.2	162
32	Problematic p-benzyne: Orbital instabilities, biradical character, and broken symmetry. <i>Journal of Chemical Physics</i> , 2001, 114, 10638-10650.	1.2	161
33	Analytic energy gradients for the equation-of-motion coupled-cluster method: Implementation and application to the HCN/HNC system. <i>Journal of Chemical Physics</i> , 1994, 100, 4695-4698.	1.2	155
34	Hartree-Fock orbital instability envelopes in highly correlated single-reference wave functions. <i>Journal of Chemical Physics</i> , 1997, 107, 10626-10632.	1.2	142
35	Investigation of an asymmetric triple-excitation correction for coupled-cluster energies. <i>International Journal of Quantum Chemistry</i> , 1998, 70, 601-611.	1.0	139
36	On the vibronic level structure in the NO <sub>3</sub> radical. I. The ground electronic state. <i>Journal of Chemical Physics</i> , 2007, 126, 134309.	1.2	133

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37	Simple(r) algebraic equation for transition moments of fundamental transitions in vibrational second-order perturbation theory. <i>Molecular Physics</i> , 2006, 104, 377-388.	0.8	122
38	Ab Initio Reaction Rate Constants Computed Using Semiclassical Transition-State Theory: HO + H <sub>2</sub> → H <sub>2</sub> O + H and Isotopologues. <i>Journal of Physical Chemistry A</i> , 2011, 115, 5118-5126.	1.1	109
39	Analytic UHF-CCSD(T) second derivatives: implementation and application to the calculation of the vibration-rotation interaction constants of NCO and NCS. <i>Theoretical Chemistry Accounts</i> , 1998, 100, 5-11.	0.5	103
40	Analytic evaluation of energy gradients at the coupled-cluster singles and doubles level using quasi-restricted Hartree-Fock open-shell reference functions. <i>Journal of Chemical Physics</i> , 1991, 95, 2639-2645.	1.2	96
41	A practical implementation of semi-classical transition state theory for polyatomics. <i>Chemical Physics Letters</i> , 2010, 499, 9-15.	1.2	92
42	Analytic gradients for the coupled-cluster singles, doubles, and triples (CCSDT) model. <i>Journal of Chemical Physics</i> , 2002, 116, 1773-1782.	1.2	83
43	Stabilization of the Simplest Criegee Intermediate from the Reaction between Ozone and Ethylene: A High-Level Quantum Chemical and Kinetic Analysis of Ozonolysis. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5524-5533.	1.1	83
44	Use of 2h and 3h <sup>~</sup> p-like coupled-cluster Tamm-Dancoff approaches for the equilibrium properties of ozone. <i>Chemical Physics Letters</i> , 2003, 378, 42-46.	1.2	81
45	Quasidiabatic states described by coupled-cluster theory. <i>Journal of Chemical Physics</i> , 2009, 130, 174105.	1.2	81
46	Calculation of fundamental frequencies for small polyatomic molecules: a comparison between correlation consistent and atomic natural orbital basis sets. <i>Molecular Physics</i> , 2013, 111, 1492-1496.	0.8	80
47	Reaction of HO with CO: Tunneling Is Indeed Important. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1549-1553.	2.1	79
48	How to VPT2: Accurate and Intuitive Simulations of CH Stretching Infrared Spectra Using VPT2+K with Large Effective Hamiltonian Resonance Treatments. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1301-1324.	1.1	72
49	Non-orthogonal spin-adaptation of coupled cluster methods: A new implementation of methods including quadruple excitations. <i>Journal of Chemical Physics</i> , 2015, 142, 064108.	1.2	71
50	A simple correction to final state energies of doublet radicals described by equation-of-motion coupled cluster theory in the singles and doubles approximation. <i>Theoretica Chimica Acta</i> , 1996, 93, 303-313.	0.9	70
51	A new approach to approximate equation-of-motion coupled cluster with triple excitations. <i>Journal of Chemical Physics</i> , 2016, 145, 124102.	1.2	70
52	Investigation of the electronic structure and spectroscopy of Jahn-Teller distorted C <sub>60</sub> . <i>Chemical Physics Letters</i> , 1992, 194, 467-471.	1.2	69
53	Restricted open-shell Hartree-Fock based many-body perturbation theory: Theory and application of energy and gradient calculations. <i>Journal of Chemical Physics</i> , 1992, 97, 6606-6620.	1.2	68
54	Nonadiabatic effects in the photoelectron spectrum of the pyrazolide-d <sub>3</sub> anion: Three-state interactions in the pyrazolyl-d <sub>3</sub> radical. <i>Journal of Chemical Physics</i> , 2006, 125, 084312.	1.2	67

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55	Coupled-cluster theory, pseudo-Jahn-Teller effects and conical intersections. <i>Journal of Chemical Physics</i> , 2001, 115, 10382.	1.2	65
56	On the vibronic level structure in the NO <sub>3</sub> radical: II. Adiabatic calculation of the infrared spectrum. <i>Molecular Physics</i> , 2009, 107, 1059-1075.	0.8	65
57	On the vertical excitation energy of cyclopentadiene. <i>Journal of Chemical Physics</i> , 2004, 121, 5236-5240.	1.2	64
58	The effect of triple excitations in coupled cluster calculations of frequency-dependent polarizabilities. <i>Chemical Physics Letters</i> , 1998, 292, 437-446.	1.2	61
59	HO + CO Reaction Rates and H/D Kinetic Isotope Effects: Master Equation Models with ab Initio SCTST Rate Constants. <i>Journal of Physical Chemistry A</i> , 2013, 117, 821-835.	1.1	61
60	Potential nonrigidity of the NO <sub>3</sub> radical. <i>Journal of Chemical Physics</i> , 1991, 94, 4084-4087.	1.2	60
61	Application of an equation-of-motion coupled cluster method including higher-order corrections to potential energy surfaces of radicals. <i>Journal of Chemical Physics</i> , 1999, 111, 8275-8285.	1.2	59
62	A Discussion of Some Problems Associated with the Quantum Mechanical Treatment of Open-Shell Molecules. <i>Advances in Chemical Physics</i> , 2003, , 101-146.	0.3	58
63	High-accuracy extrapolated <i>ab initio</i> thermochemistry. IV. A modified recipe for computational efficiency. <i>Journal of Chemical Physics</i> , 2019, 150, 224102.	1.2	58
64	Triple excitation effects in coupled-cluster calculations of frequency-dependent hyperpolarizabilities. <i>Chemical Physics Letters</i> , 1998, 296, 117-124.	1.2	56
65	Analytic first and second derivatives for the CCSDT-n (n = 1-3) models: a first step towards the efficient calculation of CCSDT properties. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2047-2060.	1.3	56
66	Propargyl Radical: Ab Initio Anharmonic Modes and the Polarized Infrared Absorption Spectra of Matrix-Isolated HCCCH <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , 2005, 109, 3812-3821.	1.1	55
67	Structure and Energetics of Isomers of the Interstellar Molecule C <sub>5</sub> H. <i>Journal of the American Chemical Society</i> , 1999, 121, 1902-1911.	6.6	54
68	Some surprising failures of Brueckner coupled cluster theory. <i>Journal of Chemical Physics</i> , 2000, 112, 7873-7879.	1.2	54
69	Calculated stretching overtone levels and Darling-Dennison resonances in water: a triumph of simple theoretical approaches. <i>Molecular Physics</i> , 2007, 105, 2659-2666.	0.8	54
70	Chirped-pulse millimeter-wave spectroscopy for dynamics and kinetics studies of pyrolysis reactions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15739-15751.	1.3	54
71	The vibronic level structure of the cyclopentadienyl radical. <i>Journal of Chemical Physics</i> , 2008, 129, 084310.	1.2	52
72	Equilibrium geometries of cyclic SiC <sub>3</sub> isomers. <i>Journal of Chemical Physics</i> , 2001, 114, 2993-2995.	1.2	50

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73	Perturbative triples correction for the equation-of-motion coupled-cluster wave functions with single and double substitutions for ionized states: Theory, implementation, and examples. <i>Journal of Chemical Physics</i> , 2009, 131, 114112.	1.2	50
74	Electron Affinities, Well Depths, and Vibrational Spectroscopy of <i>cis</i> - and <i>trans</i> -HOCO. <i>Journal of the American Chemical Society</i> , 2011, 133, 19606-19609.	6.6	45
75	Rotational spectroscopy of pyridazine and its isotopologs from 235 to 360 GHz: Equilibrium structure and vibrational satellites. <i>Journal of Chemical Physics</i> , 2013, 139, 224304.	1.2	45
76	Spectroscopic characterization of isomerization transition states. <i>Science</i> , 2015, 350, 1338-1342.	6.0	45
77	Quantitative analysis of Fermi resonances by harmonic derivatives of perturbation theory corrections. <i>Molecular Physics</i> , 2009, 107, 213-222.	0.8	44
78	Towards highly accurate <i>ab initio</i> thermochemistry of larger systems: Benzene. <i>Journal of Chemical Physics</i> , 2011, 135, 044513.	1.2	44
79	A master equation simulation for the $\text{HCOH} + \text{CH}_3\text{OH}$ reaction. <i>Journal of Chemical Physics</i> , 2019, 150, 084105.	1.2	42
80	Geometric Energy Derivatives at the Complete Basis Set Limit: Application to the Equilibrium Structure and Molecular Force Field of Formaldehyde. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 1333-1350.	2.3	41
81	Molecular structure determination: Equilibrium structure of pyrimidine ( <i>m</i> -C <sub>4</sub> H <sub>4</sub> N <sub>2</sub> ) from rotational spectroscopy ( <i>r</i> - <i>e</i> SE) and high-level <i>ab initio</i> calculation ( <i>r</i> - <i>i</i> ) <i>J. Phys. Chem. A</i> 2020, 124, 104303.	1.2	41
82	Perturbative treatment of spin-orbit-coupling within spin-free exact two-component theory using equation-of-motion coupled-cluster methods. <i>Journal of Chemical Physics</i> , 2018, 148, 044108.	1.2	40
83	Triplet instability in doublet systems. <i>Journal of Chemical Physics</i> , 2004, 121, 7624.	1.2	38
84	Communication: Thermal unimolecular decomposition of <i>syn</i> -CH <sub>3</sub> CHOO: A kinetic study. <i>Journal of Chemical Physics</i> , 2016, 145, 131102.	1.2	38
85	Exhaustive Product Analysis of Three Benzene Discharges by Microwave Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5170-5181.	1.1	38
86	<i>Ab Initio</i> Thermal Rate Calculations of $\text{HO} + \text{HO} = \text{O}(\text{^3P}) + \text{H}_2\text{O}$ Reaction and Isotopologues. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2678-2686.	1.1	37
87	A refined estimate of the bond length of methane. <i>Molecular Physics</i> , 1999, 97, 841-845.	0.8	36
88	Spectroscopy of the Free Phenalenyl Radical. <i>Journal of the American Chemical Society</i> , 2011, 133, 14554-14557.	6.6	36
89	Discovery of a Missing Link: Detection and Structure of the Elusive Disilicon Carbide Cluster. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2107-2111.	2.1	36
90	A coupled-cluster study of the ground state of C <sub>3</sub> . <i>Journal of Chemical Physics</i> , 1991, 94, 4320-4327.	1.2	35

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91	Interconversion of diborane (4) isomers. <i>Journal of Chemical Physics</i> , 1992, 97, 1211-1216.	1.2	33
92	The $\hat{I}^{1/2}_{3/2}$ Fundamental in $\text{NO}_3$ Has Been Seen Near $1060 \text{ cm}^{-1}$ , Albeit Some Time Ago. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1946-1950.	2.1	33
93	A Steady-State Approximation to the Two-Dimensional Master Equation for Chemical Kinetics Calculations. <i>Journal of Physical Chemistry A</i> , 2015, 119, 7627-7636.	1.1	33
94	Active Thermochemical Tables: The Adiabatic Ionization Energy of Hydrogen Peroxide. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8799-8806.	1.1	33
95	The $\hat{C}^1_{\text{f}}$ excited state of $\text{NO}_2$ : Evidence for a Cs equilibrium structure and a failure of some spin-restricted reference wavefunctions. <i>Journal of Chemical Physics</i> , 1997, 107, 2525-2528.	1.2	32
96	On the $\text{HCN} - \text{HNC}$ Energy Difference. <i>Journal of Physical Chemistry A</i> , 2015, 119, 10929-10934.	1.1	32
97	Fourth-order vibrational perturbation theory with the Watson Hamiltonian: Report of working equations and preliminary results. <i>Journal of Chemical Physics</i> , 2018, 149, 114102.	1.2	32
98	Precise equilibrium structure determination of hydrazoic acid ( $\text{HN}_3$ ) by millimeter-wave spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 143, 104310.	1.2	31
99	Thermal Decomposition of Potential Ester Biofuels. Part I: Methyl Acetate and Methyl Butanoate. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4658-4677.	1.1	31
100	New insights into the Jahn-Teller effect in $\text{NO}_3$ via the dark $\tilde{A}^2_{\text{E}}$ state. <i>Physica Scripta</i> , 2006, 73, C64-C70.	1.2	29
101	Jet cooled cavity ringdown spectroscopy of the $\tilde{A}^2_{\text{E}}$ transition of the $\text{NO}_3$ radical. <i>Journal of Chemical Physics</i> , 2015, 142, 184305.	1.2	29
102	Quantitative vibronic coupling calculations: the formylxyl radical. <i>Theoretical Chemistry Accounts</i> , 2011, 129, 527-543.	0.5	28
103	On the vibronic level structure in the $\text{NO}_3$ radical : Part III. Observation of intensity borrowing via ground state mixing. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4742.	1.3	27
104	Chirped-Pulse Fourier Transform Microwave Spectroscopy Coupled with a Flash Pyrolysis Microreactor: Structural Determination of the Reactive Intermediate Cyclopentadienone. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2201-2207.	2.1	27
105	High-level theoretical study of the reaction between hydroxyl and ammonia: Accurate rate constants from 200 to 2500 K. <i>Journal of Chemical Physics</i> , 2017, 147, 152704.	1.2	24
106	Accuracy of Coupled Cluster Excited State Potential Energy Surfaces. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 5859-5869.	2.3	24
107	New vibrational assignments in the $\tilde{A}^1_{\text{u}}$ electronic transition of acetylene, $\text{C}_2\text{H}_2$ : the $\nu_2$ frequency. <i>Molecular Physics</i> , 2003, 101, 663-673.	0.8	23
108	Accelerating the convergence of higher-order coupled cluster methods. <i>Journal of Chemical Physics</i> , 2015, 143, 204103.	1.2	23

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109	Rotational spectrum and theoretical structure of the carbene HC4N. <i>Journal of Chemical Physics</i> , 1999, 111, 6750-6754.	1.2	22
110	Theoretical Study of Reaction of Ketene with Water in the Gas Phase: Formation of Acetic Acid?. <i>Journal of Physical Chemistry A</i> , 2013, 117, 10997-11005.	1.1	22
111	Direct measurements of DOCO isomers in the kinetics of OD + CO. <i>Science Advances</i> , 2018, 4, eaao4777.	4.7	22
112	Factors Contributing to the Accuracy of Harmonic Force Field Calculations for Water. <i>Journal of Chemical Theory and Computation</i> , 2007, 3, 1267-1274.	2.3	21
113	Revisitation of Nonorthogonal Spin Adaptation in Coupled Cluster Theory. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 2567-2572.	2.3	21
114	Block diagonalization of the equation-of-motion coupled cluster effective Hamiltonian: Treatment of diabatic potential constants and triple excitations. <i>Journal of Chemical Physics</i> , 2014, 140, 214112.	1.2	21
115	Communication: The ground electronic state of Si2C: Rovibrational level structure, quantum monodromy, and astrophysical implications. <i>Journal of Chemical Physics</i> , 2015, 142, 231101.	1.2	21
116	Communication: An accurate calculation of the S1 C2H2â€ˆ <i>cis</i> -</i>-<i>trans</i> isomerization barrier height. <i>Journal of Chemical Physics</i> , 2016, 144, 111102.	1.2	21
117	Isotopic studies of <i>trans-</i> and <i>cis-</i>HOCO using rotational spectroscopy: Formation, chemical bonding, and molecular structures. <i>Journal of Chemical Physics</i> , 2016, 144, 124304.	1.2	21
118	Semiclassical Transition-State Theory Based on Fourth-Order Vibrational Perturbation Theory: The Symmetrical Eckart Barrier. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2708-2713.	2.1	21
119	Analytic Evaluation of Second Derivatives of the Energy: Computational Strategies for the CCSD and CCSD(T) Approximations. <i>Recent Advances in Computational</i> , 1997, , 49-79.	0.8	20
120	Is the adiabatic approximation sufficient to account for the post-Bornâ€ˆOppenheimer effects on molecular electric dipole moments?. <i>Molecular Physics</i> , 2009, 107, 1153-1159.	0.8	20
121	Unimolecular Reaction of Methyl Isocyanide to Acetonitrile: A High-Level Theoretical Study. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2532-2538.	2.1	20
122	Ab initio thermal rate coefficients for H + NH<sub>3</sub> â†€ H<sub>2</sub> + NH<sub>2</sub>. <i>International Journal of Chemical Kinetics</i> , 2019, 51, 321-328.	1.0	20
123	Precise equilibrium structure determination of thiophene (<i>c-C4H4S) by rotational spectroscopyâ€ˆStructure of a five-membered heterocycle containing a third-row atom. <i>Journal of Chemical Physics</i> , 2021, 154, 244310.	1.2	20
124	Quantum-state-controlled reactions between molecular radicals and ions. <i>Physical Review A</i> , 2018, 98, .	1.0	19
125	Structures of Diethynyl Sulfide and Bis(phenylethynyl) Sulfide. <i>Journal of Physical Chemistry A</i> , 2002, 106, 12110-12116.	1.1	17
126	Pragmatic Solution for a Fully <i>E</i>,<i>J</i>-Resolved Master Equation. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2907-2918.	1.1	17

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127	Theoretical prediction of magnetic exchange coupling constants from broken-symmetry coupled cluster calculations. <i>Journal of Chemical Physics</i> , 2020, 152, 234115.	1.2	17
128	Equation-of-motion coupled-cluster method with double electron-attaching operators: Theory, implementation, and benchmarks. <i>Journal of Chemical Physics</i> , 2021, 154, 114115.	1.2	17
129	Effects of vibrational averaging on coupled cluster calculations of spin-spin coupling constants for hydrocarbons. <i>Molecular Physics</i> , 2012, 110, 2321-2327.	0.8	16
130	Relatively Selective Production of the Simplest Criegee Intermediate in a CH <sub>4</sub> /O <sub>2</sub> Electric Discharge: Kinetic Analysis of a Plausible Mechanism. <i>Journal of Physical Chemistry A</i> , 2015, 119, 7197-7204.	1.1	16
131	The ionisation energy of cyclopentadienone: a photoelectron-photoion coincidence study. <i>Molecular Physics</i> , 2015, 113, 2350-2358.	0.8	16
132	Photodissociation of dicarbon: How nature breaks an unusual multiple bond. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	16
133	Inner-shell photoionization and core-hole decay of Xe and XeF <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2015, 142, 224302.	1.2	15
134	Low-lying vibronic level structure of the ground state of the methoxy radical: Slow electron velocity-map imaging (SEVI) spectra and K�ppel-Domcke-Cederbaum (KDC) vibronic Hamiltonian calculations. <i>Journal of Chemical Physics</i> , 2017, 146, 224309.	1.2	15
135	Broadband Microwave Spectroscopy of 2-Furanyloxy Radical: Primary Pyrolysis Product of the Second-Generation Biofuel 2-Methoxyfuran. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6879-6885.	1.1	15
136	Elaborated thermochemical treatment of HF, CO, N <sub>2</sub> , and H <sub>2</sub> O: Insight into HEAT and its extensions. <i>Journal of Chemical Physics</i> , 2021, 155, 184109.	1.2	15
137	Quantum Chemistry Common Driver and Databases (QCDB) and Quantum Chemistry Engine (QCEngine): Automation and interoperability among computational chemistry programs. <i>Journal of Chemical Physics</i> , 2021, 155, 204801.	1.2	15
138	A Highly-Efficient Implementation of the Doktorov Recurrence Equations for Franck-Condon Calculations. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 728-739.	2.3	14
139	Electron-Withdrawing Effects in the Photodissociation of CH <sub>2</sub> ICl To Form CH <sub>2</sub> Cl Radical, Simultaneously Viewed Through the Carbon K and Chlorine L <sub>2,3</sub> X-ray Edges. <i>Journal of the American Chemical Society</i> , 2018, 140, 13360-13366.	6.6	14
140	Precise equilibrium structure of thiazole ( <i>i</i> -C <sub>3</sub> H <sub>3</sub> NS) from twenty-four isotopologues. <i>Journal of Chemical Physics</i> , 2021, 155, 054302.	1.2	14
141	Semiclassical transition state theory based on fourth order vibrational perturbation theory: Model system studies beyond symmetric Eckart barrier. <i>Journal of Chemical Physics</i> , 2018, 149, 134109.	1.2	13
142	Quantum-state-specific reaction rate measurements for the photo-induced reaction Ca <sup>++</sup> + O <sub>2</sub> â†’ CaO <sup>++</sup> + O. <i>Molecular Physics</i> , 2019, 117, 3036-3042.	0.8	13
143	High-Resolution Photoelectron Spectroscopy of Cryogenically Cooled NO <sub>3</sub> ... <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 395-400.	2.1	13
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