David F Feller

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#	Paper	IF	Citations
183	The role of databases in support of computational chemistry calculations. <i>Journal of Computational Chemistry</i> , 1996 , 17, 1571-1586	3.5	1909
182	Application of systematic sequences of wave functions to the water dimer. <i>Journal of Chemical Physics</i> , 1992 , 96, 6104-6114	3.9	1007
181	Basis set selection for molecular calculations. <i>Chemical Reviews</i> , 1986 , 86, 681-696	68.1	6 80
180	The use of systematic sequences of wave functions for estimating the complete basis set, full configuration interaction limit in water. <i>Journal of Chemical Physics</i> , 1993 , 98, 7059-7071	3.9	526
179	Hydrogen Bond Energy of the Water Dimer. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 2993-2997		433
178	On the Enthalpy of Formation of Hydroxyl Radical and Gas-Phase Bond Dissociation Energies of Water and Hydroxyl. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 2727-2747	2.8	422
177	An Ab Initio Investigation of the Structure and Alkali Metal Cation Selectivity of 18-Crown-6. Journal of the American Chemical Society, 1994 , 116, 10657-10669	16.4	335
176	Chemical accuracy in ab initio thermochemistry and spectroscopy: current strategies and future challenges. <i>Theoretical Chemistry Accounts</i> , 2012 , 131, 1	1.9	317
175	A survey of factors contributing to accurate theoretical predictions of atomization energies and molecular structures. <i>Journal of Chemical Physics</i> , 2008 , 129, 204105	3.9	302
174	Re-examination of atomization energies for the Gaussian-2 set of molecules. <i>Journal of Chemical Physics</i> , 1999 , 110, 8384-8396	3.9	251
173	Extended benchmark studies of coupled cluster theory through triple excitations. <i>Journal of Chemical Physics</i> , 2001 , 115, 3484-3496	3.9	236
172	An examination of intrinsic errors in electronic structure methods using the Environmental Molecular Sciences Laboratory computational results database and the Gaussian-2 set. <i>Journal of Chemical Physics</i> , 1998 , 108, 154-176	3.9	235
171	Cation-Water Interactions: The M+(H2O)n Clusters for Alkali Metals, M = Li, Na, K, Rb, and Cs. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 3060-3067		222
170	One-electron properties of several small molecules using near HartreeHock limit basis sets. Journal of Chemical Physics, 1987, 86, 3424-3440	3.9	221
169	An extended basis set ab initio study of alkali metal cation water clusters. <i>Journal of Chemical Physics</i> , 1995 , 103, 3526-3542	3.9	214
168	On the effectiveness of CCSD(T) complete basis set extrapolations for atomization energies. <i>Journal of Chemical Physics</i> , 2011 , 135, 044102	3.9	210
167	Performance of coupled cluster theory in thermochemical calculations of small halogenated compounds. <i>Journal of Chemical Physics</i> , 2003 , 118, 3510-3522	3.9	184

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166	An approximation to frozen natural orbitals through the use of the HartreeHock exchange potential. <i>Journal of Chemical Physics</i> , 1981 , 74, 3977-3979	3.9	184	
165	Enthalpies of formation of gas-phase N3, N3-, N5+, and N5- from Ab initio molecular orbital theory, stability predictions for N5(+)N3(-) and N5(+)N5(-), and experimental evidence for the instability of N5(+)N3(-). <i>Journal of the American Chemical Society</i> , 2004 , 126, 834-43	16.4	182	
164	Electron momentum spectroscopy of the valence orbitals of H2O and D2O: Quantitative comparisons using HartreeHock limit and correlated wavefunctions. <i>Chemical Physics</i> , 1987 , 113, 19-42	2.3	169	
163	Sources of error in electronic structure calculations on small chemical systems. <i>Journal of Chemical Physics</i> , 2006 , 124, 054107	3.9	168	
162	Performance of CCSDT for diatomic dissociation energies. <i>Journal of Chemical Physics</i> , 2000 , 113, 485-4	93 ,9	168	
161	Evidence for a Lower Enthalpy of Formation of Hydroxyl Radical and a Lower Gas-Phase Bond Dissociation Energy of Water. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 1-4	2.8	161	
160	Ab initio configuration interaction calculations of the hyperfine structure in small radicals. <i>Journal of Chemical Physics</i> , 1984 , 80, 1006-1017	3.9	158	
159	The Nature of K+/Crown Ether Interactions: A Hybrid Quantum Mechanical-Molecular Mechanical Study. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 10465-10476		154	
158	An extended basis set ab initio study of Li+(H2O)n, n=1B. Journal of Chemical Physics, 1994, 100, 4981-4	9 <u>9</u> .7	151	
157	Systematic approach to extended even-tempered orbital bases for atomic and molecular calculations. <i>Theoretica Chimica Acta</i> , 1979 , 52, 231-251		151	
156	Predicting the Heats of Formation of Model Hydrocarbons up to Benzene. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3048-3056	2.8	140	
155	Cation Ether Complexes in the Gas Phase: Bond Dissociation Energies and Equilibrium Structures of Li+(1,2-dimethoxyethane)x, $x = 1$ and 2, and Li+(12-crown-4). The Journal of Physical Chemistry, 1996, 100, 16116-16125		140	
154	DicationWater Interactions: M2+(H2O)n Clusters for Alkaline Earth Metals M = Mg, Ca, Sr, Ba, and Ra. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 4790-4797		140	
153	Further benchmarks of a composite, convergent, statistically calibrated coupled-cluster-based approach for thermochemical and spectroscopic studies. <i>Molecular Physics</i> , 2012 , 110, 2381-2399	1.7	139	
152	Cation Lither Complexes in the Gas Phase: Bond Dissociation Energies and Equilibrium Structures of Li+ $[O(CH3)2]x$, $x = 1$. The Journal of Physical Chemistry, 1996 , 100, 1605-1614		138	
151	Strength of the BenzeneWater Hydrogen Bond. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 7558-7561	2.8	136	
150	Heats of Formation of Simple Perfluorinated Carbon Compounds. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 4744-4751	2.8	129	
149	Estimating the Strength of the Water/Single-Layer Graphite Interaction. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 9971-9975	2.8	119	

148	Theoretical Study of the Heats of Formation of Small Silicon-Containing Compounds. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 6413-6419	2.8	118
147	Binding Enthalpies for Alkali Cation B enzene Complexes Revisited. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 11414-11419	2.8	115
146	Heats of formation and ionization energies of NHx, x=0B. <i>Journal of Chemical Physics</i> , 2001 , 115, 2576-2	589	112
145	Experimental evidence for a C2v (2B1) ground-state structure of the methane cation radical: ESR and ab initio CI investigations of methane cation radicals (CH4+ and CD2H2+) in neon matrixes at 4 K. <i>Journal of the American Chemical Society</i> , 1984 , 106, 3700-3701	16.4	108
144	A CCSDT study of the effects of higher order correlation on spectroscopic constants. I. First row diatomic hydrides. <i>Journal of Chemical Physics</i> , 2000 , 112, 5604-5610	3.9	107
143	Structures and binding enthalpies of M+(H2O)n clusters, M=Cu, Ag, Au. <i>Journal of Chemical Physics</i> , 1999 , 110, 1475-1491	3.9	105
142	Ab InitioStudy of M+:18-Crown-6 Microsolvation. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 2723-2731	2.8	103
141	Heats of Formation of CF2, FCO, and CF2O. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 8209-8216	2.8	100
140	Coupled Cluster Theory Determination of the Heats of Formation of Combustion-Related Compounds: CO, HCO, CO2, HCO2, HCCO, HC(O)OH, and HC(O)OOH. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 1604-1617	2.8	94
139	A multireference CI determination of the isotropic hyperfine constants for first row atoms B E . <i>Journal of Chemical Physics</i> , 1988 , 88, 7580-7587	3.9	93
138	Ab initio study of hydrogen bonding in the phenol water system. <i>Journal of Computational Chemistry</i> , 1993 , 14, 1027-1035	3.5	92
137	An Ab Initio Investigation of the Structure and Alkaline Earth Divalent Cation Selectivity of 18-Crown-6. <i>Journal of the American Chemical Society</i> , 1996 , 118, 6052-6059	16.4	91
136	A complete basis set estimate of cation-lbond strengths: Na+(ethylene) and Na+(benzene). <i>Chemical Physics Letters</i> , 2000 , 322, 543-548	2.5	90
135	Theoretical Study of Cation/Ether Complexes: Alkali Metal Cations with 1,2-Dimethoxyethane and 12-Crown-4. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 3813-3819	2.8	87
134	MCSCF/CI investigation of the low-lying potential energy surfaces of the formyloxyl radical, HCO2.cntdot <i>Journal of the American Chemical Society</i> , 1983 , 105, 1459-1466	16.4	87
133	Difficulties inab initio CI calculations of the hyperfine structure of small radicals. <i>Theoretica Chimica Acta</i> , 1985 , 68, 57-67		86
132	Heats of Formation of Simple Boron Compounds. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 7053-7059	2.8	84
131	Coupled Cluster Theory and Multireference Configuration Interaction Study of FO, F2O, FO2, and FOOF. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 9641-9651	2.8	83

130	Probing the limits of accuracy in electronic structure calculations: is theory capable of results uniformly better than "chemical accuracy"?. <i>Journal of Chemical Physics</i> , 2007 , 126, 114105	3.9	82
129	ESR and ab initio theoretical studies of the cation radicals 14N+4 and 15N+4: The trapping of ionEeutral reaction products in neon matrices at 4 K. <i>Journal of Chemical Physics</i> , 1987 , 87, 885-897	3.9	82
128	Decomposition Pathways of Peroxynitrous Acid: Gas-Phase and Solution Energetics. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 3191-3196	2.8	77
127	A comparison of techniques for predicting higher order correlation effects: Diatomic dissociation energies. <i>Journal of Chemical Physics</i> , 1999 , 111, 4373-4382	3.9	75
126	The role of databases in support of computational chemistry calculations 1996 , 17, 1571		75
125	A Practical Guide to Reliable First Principles Computational Thermochemistry Predictions Across the Periodic Table. <i>Annual Reports in Computational Chemistry</i> , 2012 , 1-28	1.8	74
124	Active Thermochemical Tables: dissociation energies of several homonuclear first-row diatomics and related thermochemical values. <i>Theoretical Chemistry Accounts</i> , 2014 , 133, 1	1.9	72
123	Ab initio study of m-benzoquinodimethane. <i>Journal of the American Chemical Society</i> , 1983 , 105, 1791-	179554	69
122	Theoretical Conformational Analysis of Thiacrown Macrocycles. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 652-660	2.8	68
121	Benchmarks of improved complete basis set extrapolation schemes designed for standard CCSD(T) atomization energies. <i>Journal of Chemical Physics</i> , 2013 , 138, 074103	3.9	66
120	The electron affinity of oxygen: A systematic configuration interaction approach. <i>Journal of Chemical Physics</i> , 1989 , 90, 1024-1030	3.9	65
119	Ab initio studies of [1.1.1]- and [2.2.2]propellane. <i>Journal of the American Chemical Society</i> , 1987 , 109, 4133-4139	16.4	63
118	Accurate Calculations of the Electron Affinity and Ionization Potential of the Methyl Radical. Journal of Physical Chemistry A, 1997 , 101, 9405-9409	2.8	60
117	A comparison of unrestricted HartreeBock- and restricted open-shell HartreeBock-based methods for determining the magnetic hyperfine parameters of NO (X 2l). <i>Journal of Chemical Physics</i> , 1993 , 99, 2829-2840	3.9	60
116	RHF and two-configuration SCF calculations are inappropriate for conjugated diradicals. <i>Tetrahedron</i> , 1982 , 38, 737-739	2.4	60
115	Improved accuracy benchmarks of small molecules using correlation consistent basis sets. <i>Theoretical Chemistry Accounts</i> , 2014 , 133,	1.9	59
114	Electron spin resonance investigations of 11B12C, 11B13C, and 10B12C in neon, argon, and krypton matrices at 4 K: Comparison with theoretical results. <i>Journal of Chemical Physics</i> , 1989 , 90, 690-699	3.9	58
113	Theoretical Study of Cation/Ether Complexes: The Alkali Metals and Dimethyl Ether. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 6125-6131	2.8	57

112	Laser sputtering generation of B2 for ESR matrix isolation studies: comparison with ab initio CI theoretical calculations. <i>Journal of the American Chemical Society</i> , 1987 , 109, 3521-3525	16.4	57
111	The generation and trapping of the high-temperature oxosilyliumyl cation radicals (28SiO+ and 29SiO+) in neon matrixes at 4 K; an ESR and ab initio CI theoretical investigation. <i>Journal of the American Chemical Society</i> , 1985 , 107, 2857-2864	16.4	56
110	Concerted dihydrogen exchange between ethane and ethylene. SCF and FORS calculations of the barrier. <i>Journal of the American Chemical Society</i> , 1982 , 104, 960-967	16.4	56
109	The structure and binding energy of K+Bther complexes: A comparison of MP2, RI-MP2, and density functional methods. <i>Journal of Chemical Physics</i> , 1996 , 105, 1940-1950	3.9	55
108	An ab initio study of the magnetic hyperfine properties of F2(2Hu). <i>Journal of Chemical Physics</i> , 1990 , 93, 579-589	3.9	54
107	Ab initio multireference CI determinations of the electron affinity of carbon and oxygen. <i>Journal of Chemical Physics</i> , 1985 , 82, 4135-4141	3.9	54
106	Molecular properties of water. <i>Chemical Physics Letters</i> , 1984 , 104, 54-58	2.5	52
105	Potential surface for the methylenecyclopropane rearrangement. <i>Journal of the American Chemical Society</i> , 1982 , 104, 967-972	16.4	52
104	Barrier for the H2CO-H2+CO reaction: A discrepancy between high-level electronic structure calculations and experiment. <i>Journal of Chemical Physics</i> , 2000 , 113, 218-226	3.9	51
103	A theoretical study of the acetaldehyde-derived radical. <i>Journal of the American Chemical Society</i> , 1982 , 104, 2956-2959	16.4	51
102	Calibration study of the CCSD(T)-F12a/b methods for C2 and small hydrocarbons. <i>Journal of Chemical Physics</i> , 2010 , 133, 184102	3.9	50
101	Heats of formation of the H1,2OmSn (m, n = 0-3) molecules from electronic structure calculations. Journal of Physical Chemistry A, 2009 , 113, 11343-53	2.8	50
100	Anharmonic zero point vibrational energies: tipping the scales in accurate thermochemistry calculations?. <i>Journal of Chemical Physics</i> , 2013 , 138, 044311	3.9	49
99	Ab initio calculation of the transition state for the Cope rearrangement. <i>Journal of the American Chemical Society</i> , 1984 , 106, 3362-3363	16.4	49
98	Novel Binding Modes in Tetramethoxycalix[4]arene: Implications for Ligand Design. <i>Journal of the American Chemical Society</i> , 2000 , 122, 10083-10089	16.4	48
97	Allylic resonance - when is it unimportant?. <i>Journal of the American Chemical Society</i> , 1984 , 106, 2513-2	25 19 .4	48
96	Molecular orbital studies of hyperfine coupling constants in the H2CN and H(HO)CN radicals. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 4702-4708		46
95	ESR and ab initio theoretical studies of the cation radicals 12C2 16O+2, 12,13C2 16O+2, 13C2 16O+2, 12C2 16,17O+2, 12C2 17O+2, and 12,13C2 16,17O+2 isolated in neon matrices at 4 K. The use of matrix isolation for trapping ionEeutral reaction products. <i>Journal of Chemical Physics</i> ,	3.9	46

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94	Theoretical study of cation/ether complexes: 15-crown-5 and its alkali metal complexes. International Journal of Mass Spectrometry, 2000, 201, 41-58	1.9	45	
93	Neon matrix electron spin resonance and theoretical investigations of 10,11BH2, 12,13CH2, and 12,13CH+2. <i>Journal of Chemical Physics</i> , 1989 , 91, 4468-4476	3.9	45	
92	Relativistic corrections for methylene. <i>Chemical Physics Letters</i> , 1980 , 76, 416-417	2.5	45	
91	Dependence of the singlet-triplet splitting in heterosubstituted carbenes on the heteroatom electronegativity and conformation. <i>Chemical Physics Letters</i> , 1980 , 71, 22-26	2.5	45	
90	An expanded calibration study of the explicitly correlated CCSD(T)-F12b method using large basis set standard CCSD(T) atomization energies. <i>Journal of Chemical Physics</i> , 2013 , 139, 084110	3.9	43	
89	Molecular Dynamics Study of Water B enzene Interactions at the Liquid/Vapor Interface of Water. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 4403-4407	3.4	42	
88	The singlet and triplet state rotational potential surfaces for dihydroxycarbene. <i>Journal of Chemical Physics</i> , 1979 , 71, 4987	3.9	41	
87	Molecular Structure, Vibrational Frequencies, and Energetics of the HCO, HOCO, and HCO2 Anions. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 186-190	2.8	40	
86	Theoretical and neon matrix electron spin resonance studies of the methanol cation: CH3OH+, CH3OD+, CH2DOH+, and 13CH3OH+. <i>Journal of Chemical Physics</i> , 1992 , 97, 5363-5376	3.9	40	
85	Exploiting regularity in systematic sequences of wavefunctions which approach the full CI limit. <i>Theoretica Chimica Acta</i> , 1992 , 83, 31-55		39	
84	Neon matrix ESR and CI theoretical investigation of AlF+; photoionization of AlF from thermal and laser sputtering generation methods. <i>Journal of the American Chemical Society</i> , 1986 , 108, 5065-5071	16.4	39	
83	The CCSD(T) complete basis set limit for Ne revisited. <i>Journal of Chemical Physics</i> , 2008 , 129, 194115	3.9	38	
82	Structures and heats of formation of simple alkaline earth metal compounds: fluorides, chlorides, oxides, and hydroxides for Be, Mg, and Ca. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 9349-58	2.8	37	
81	The gas and solution phase acidities of HNO, HOONO, HONO, and HONO2. <i>International Journal of Mass Spectrometry</i> , 2003 , 227, 421-438	1.9	37	
80	High level ab initio energies and structures for the rotamers of 1,3-butadiene. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 1601-7	2.8	36	
79	A Theoretical Case Study of Substituent Effects and Microsolvation on the Binding Specificity of Crown Ethers. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 7292-7298	2.8	36	
78	Theoretical investigations of the electronic states of porphyrins. III. Low-lying electronic states of porphinatoiron(II). <i>International Journal of Quantum Chemistry</i> , 1985 , 28, 773-796	2.1	36	
77	The potential surface for the cyclobutadiene radical cation. <i>Journal of the American Chemical Society</i> , 1981 , 103, 5725-5729	16.4	36	

76	Hydrogen fluoride: a critical comparison of theoretical and experimental results. <i>Computational and Theoretical Chemistry</i> , 1997 , 400, 69-92		35
75	Ab initio structures for 90 degrees -twisted s-trans-1,3-butadiene and cyclooctatetraene: the naked sp2-sp2 bond. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 2131-3	2.8	35
74	A Theoretical Determination of the Heats of Formation of Furan, Tetrahydrofuran, THF-2-yl, and THF-3-yl. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 9017-9025	2.8	35
73	Ab initio coupled cluster determination of the heats of formation of C2H2F2, C2F2, and C2F4. Journal of Physical Chemistry A, 2011 , 115, 1440-51	2.8	34
72	Refined theoretical estimates of the atomization energies and molecular structures of selected small oxygen fluorides. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 613-23	2.8	34
71	High level coupled cluster determination of the structure, frequencies, and heat of formation of water. <i>Journal of Chemical Physics</i> , 2009 , 131, 154306	3.9	34
70	A theoretical determination of the electron affinity of methylene. <i>Journal of Chemical Physics</i> , 1982 , 77, 6134-6143	3.9	34
69	High-level ab initio enthalpies of formation of 2,5-dimethylfuran, 2-methylfuran, and furan. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 11768-75	2.8	32
68	Improved estimates of the total correlation energy in the ground state of the water molecule. Journal of Chemical Physics, 1997 , 106, 7706-7708	3.9	32
67	Structures and heats of formation of simple alkali metal compounds: hydrides, chlorides, fluorides, hydroxides, and oxides for Li, Na, and K. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 4272-81	2.8	31
66	Calculation of zero field splitting parameters for trimethylenemethane. <i>Journal of Chemical Physics</i> , 1981 , 74, 2256-2259	3.9	30
65	Neon matrix ESR and CI theoretical investigation of 10BF+ and 11BF+: Photoionization of BF from reactive laser sputtering and high temperature sources. <i>Journal of Chemical Physics</i> , 1986 , 85, 5437-544	15 ^{3.9}	29
64	Accurate ab initio study of the energetics of phosphorus nitride: Heat of formation, ionization potential, and electron affinity. <i>Journal of Chemical Physics</i> , 2003 , 118, 8290-8295	3.9	28
63	The Molecular Structure and Ionization Potential of Si2: The Role of the Excited States in the Photoionization of Si2. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 2326-2332	2.8	28
62	A theoretical study of paths for decomposition and rearrangement of dihydroxycarbene. <i>Journal of Computational Chemistry</i> , 1980 , 1, 158-166	3.5	28
61	A systematic approach to vertically excited states of ethylene using configuration interaction and coupled cluster techniques. <i>Journal of Chemical Physics</i> , 2014 , 141, 104302	3.9	27
60	Ab initio coupled cluster determination of the equilibrium structures of cis- and trans-1,2-difluoroethylene and 1,1-difluoroethylene. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 94-8	2.8	25
59	A Nonparametrized Ab Initio Determination of the Heat of Formation of Hydroxylamine, NH2OH. Journal of Physical Chemistry A, 2003 , 107, 10419-10427	2.8	25

58	Basis Sets for Ab Initio Molecular Orbital Calculations and Intermolecular Interactions. <i>Reviews in Computational Chemistry</i> , 2007 , 1-43		22
57	Potential surfaces for (NH)32+ [triaziridenyl dication]. <i>Journal of the American Chemical Society</i> , 1980 , 102, 5302-5311	16.4	22
56	Enthalpy of Formation of NH (Hydrazine) Revisited. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 6187-619	8 .8	21
55	The generation of 12C31P and 13C31P by reactive laser vaporization for rare gas matrix electron spin resonance studies: Comparison with ab initio theoretical calculations. <i>Journal of Chemical Physics</i> , 1988 , 88, 3441-3450	3.9	21
54	The Impact of Larger Basis Sets and Explicitly Correlated Coupled Cluster Theory on the Feller Peterson Dixon Composite Method. <i>Annual Reports in Computational Chemistry</i> , 2016 , 47-78	1.8	20
53	Vibrational spectroscopy of 1,1-difluorocyclopropane-d0, -d2, and -d4: the equilibrium structure of difluorocyclopropane. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 2498-506	2.8	20
52	Ab Initio CI Calculations of the Energy Difference between Trimethylenemethane and Butadiene. <i>Israel Journal of Chemistry</i> , 1983 , 23, 105-108	3.4	20
51	Configuration interaction calculations on the X1Sigma+ground state and low-lying A1Pi and1Delta excited states of the PN molecule. I. Potential energy curve of the X1Sigma+state of PN. Miscellaneous spectroscopic observables. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i>	1.3	18
50	Valence electron momentum distributions of the hydrogen halides. I. Comparison of EMS measurements and calculations using HartreeHock limit and configuration interaction wavefunctions for hydrogen fluoride <i>Chemical Physics</i> , 1993 , 171, 303-317	2.3	18
49	Configuration interaction calculations on the propane radical cation, C3H +8. <i>Theoretica Chimica Acta</i> , 1990 , 77, 111-122		18
48	Infrared spectra of CF(2)=CHD and CF(2)=CD(2): scaled quantum-chemical force fields and an equilibrium structure for 1,1-difluoroethylene. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 9309-18	2.8	17
47	Collision-Induced Dissociation and Theoretical Studies of Ag+(methanol)n, n = 1년. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 2829-2838	2.8	17
46	Metal Ion Binding: \square An Electronic Structure Study of M+(Dimethyl Ether)n, M = Cu, Ag, and Au and (n= 1 \square), Complexes. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 5136-5143	2.8	17
45	The dipole moment and magnetic hyperfine properties of the excited A 2\(\textit{H}\)(3s\(\textit{D}\)Rydberg state of nitric oxide. Journal of Chemical Physics, 1995 , 103, 3517-3525	3.9	17
44	Application of a convergent, composite coupled cluster approach to bound state, adiabatic electron affinities in atoms and small molecules. <i>Journal of Chemical Physics</i> , 2016 , 144, 014105	3.9	17
43	Electron spin resonance rare gas matrix studies of 12CO2[113CO2[land C17O]]: Comparison with ab initio calculations. <i>Journal of Chemical Physics</i> , 1996 , 105, 5672-5686	3.9	16
42	When is allylic resonance unimportant?. Journal of the American Chemical Society, 1983, 105, 3347-3348	16.4	16
41	Configuration-interaction calculations of miscellaneous properties of the CP and molecules: I. CP ground state. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996 , 29, 5283-5303	1.3	15

40	Configuration interaction calculations on the P2molecule. I. Potential energy curves of the X1Sigmag+and a3Sigmau+states of P2; spectroscopic properties. <i>Journal of Physics B: Atomic, Molecular and Optical Physics,</i> 1994 , 27, 1657-1670	15
39	Thermodynamic properties of arsenic compounds and the heat of formation of the As atom from high level electronic structure calculations. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 14667-76	14
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37	, 26, 1915-1934 Hartree-Fock limit and configuration interaction calculations of the ion-molecule overlap amplitude for hydrogen fluoride: Comparison with EMS experiments. <i>Chemical Physics</i> , 1990 , 147, 45-50	13
36	Heats of formation of MHxCly (M = Si, P, As, Sb) compounds and main group fluorides from high level electronic structure calculations. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 3717-27	12
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