## Josef Paldus

## List of Publications by Year in descending order

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254 papers 15,288 citations

14655 66 h-index 22832 112 g-index

258 all docs

258 docs citations

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2092 citing authors

#	Article	IF	CITATIONS
1	Correlation Problems in Atomic and Molecular Systems. IV. Extended Coupled-Pair Many-Electron Theory and Its Application to the BH3Molecule. Physical Review A, 1972, 5, 50-67.	2.5	785
2	Stability Conditions for the Solutions of the Hartreeâ€"Fock Equations for Atomic and Molecular Systems. Application to the Piâ€Electron Model of Cyclic Polyenes. Journal of Chemical Physics, 1967, 47, 3976-3985.	3.0	562
3	Correlation problems in atomic and molecular systems III. Rederivation of the coupled-pair many-electron theory using the traditional quantum chemical methodst. International Journal of Quantum Chemistry, 1971, 5, 359-379.	2.0	533
4	Time-Independent Diagrammatic Approach to Perturbation Theory of Fermion Systems. Advances in Quantum Chemistry, 1975, 9, 105-197.	0.8	467
5	Group theoretical approach to the configuration interaction and perturbation theory calculations for atomic and molecular systems. Journal of Chemical Physics, 1974, 61, 5321-5330.	3.0	458
6	Applicability of coupled-pair theories to quasidegenerate electronic states: A model study. International Journal of Quantum Chemistry, 1980, 18, 1243-1269.	2.0	310
7	A Critical Assessment of Coupled Cluster Method in Quantum Chemistry. Advances in Chemical Physics, 2007, , 1-175.	0.3	285
8	Reduced multireference CCSD method: An effective approach to quasidegenerate states. Journal of Chemical Physics, 1997, 107, 6257-6269.	3.0	253
9	Correlation problems in atomic and molecular systems. V. Spinâ€adapted coupled cluster manyâ€electron theory. Journal of Chemical Physics, 1977, 67, 303-318.	3.0	236
10	Spinâ€adapted multireference coupledâ€cluster approach: Linear approximation for two closedâ€shellâ€type reference configurations. Journal of Chemical Physics, 1988, 88, 5673-5687.	3.0	235
11	Application of Hilbert-space coupled-cluster theory to simple (H2)2model systems: Planar models. Physical Review A, 1993, 47, 2738-2782.	2.5	217
12	Valence universal exponential ansatz and the cluster structure of multireference configuration interaction wave function. Journal of Chemical Physics, 1989, 90, 2714-2731.	3.0	214
13	Approximate account of the connected quadruply excited clusters in the coupled-pair many-electron theory. Physical Review A, 1984, 30, 2193-2209.	2.5	192
14	Stability Conditions for the Solutions of the Hartree–Fock Equations for Atomic and Molecular Systems. II. Simple Open‧hell Case. Journal of Chemical Physics, 1970, 52, 2919-2936.	3.0	170
15	Coupled Cluster Theory. NATO ASI Series Series B: Physics, 1992, , 99-194.	0.2	168
16	Automation of the implementation of spinâ€adapted openâ€shell coupledâ€cluster theories relying on the unitary group formalism. Journal of Chemical Physics, 1994, 101, 8812-8826.	3.0	160
17	Stability Conditions for the Solutions of the Hartree-Fock Equations for Atomic and Molecular Systems. VI. Singlet-Type Instabilities and Charge-Density-Wave Hartree-Fock Solutions for Cyclic Polyenes. Physical Review A, 1970, 2, 2268-2283.	2.5	158
18	Reduced multireference couple cluster method. II. Application to potential energy surfaces of HF, F2, and H2O. Journal of Chemical Physics, 1998, 108, 637-648.	3.0	158

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19	Cluster expansion analysis for delocalized systems. International Journal of Quantum Chemistry, 1969, 3, 149-167.	2.0	143
20	Coupled Cluster Approach. Physica Scripta, 1980, 21, 251-254.	2.5	143
21	General-model-space state-universal coupled-cluster theory: Connectivity conditions and explicit equations. Journal of Chemical Physics, 2003, 119, 5320-5333.	3.0	141
22	Unitary Group Approach to the Many-Electron Correlation Problem via Graphical Methods of Spin Algebras. Physica Scripta, 1980, 21, 295-311.	2.5	140
23	Clifford algebra and unitary group formulations of the many-electron problem. Theoretica Chimica Acta, 1988, 73, 81-103.	0.8	139
24	Correlation problems in atomic and molecular systems. VI. Coupled-cluster approach to open-shell systems. Physical Review A, 1978, 17, 805-815.	2.5	128
25	Timeâ€dependent coupled cluster approach: Excitation energy calculation using an orthogonally spinâ€adapted formalism. Journal of Chemical Physics, 1986, 85, 1486-1501.	3.0	126
26	Unitary-group approach to the many-electron correlation problem: Relation of Gelfand and Weyl tableau formulations. Physical Review A, 1976, 14, 1620-1625.	2.5	123
27	Coupled cluster approach or quadratic configuration interaction?. Journal of Chemical Physics, 1989, 90, 4356-4362.	3.0	123
28	Orthogonally spin-adapted coupled-cluster equations involving singly and doubly excited clusters. Comparison of different procedures for spin-adaptation. International Journal of Quantum Chemistry, 1989, 36, 429-453.	2.0	118
29	Coupled-cluster approach to electron correlation in one dimension: Cyclic polyene model in delocalized basis. Physical Review B, 1984, 30, 4267-4291.	3.2	117
30	Orthogonally spin-adapted multi-reference Hilbert space coupled-cluster formalism: diagrammatic formulation. Theoretica Chimica Acta, 1992, 83, 69-103.	0.8	117
31	Orthogonally-spin-adapted coupled-cluster theory for closed-shell systems including triexcited clusters. Physical Review A, 1979, 20, 1-17.	2.5	116
32	Approximate account of connected quadruply excited clusters in single-reference coupled-cluster theory via cluster analysis of the projected unrestricted Hartree-Fock wave function. Physical Review A, 1996, 54, 1210-1241.	2.5	115
33	Orthogonally spinâ€adapted stateâ€universal coupledâ€cluster formalism: Implementation of the complete twoâ€reference theory including cubic and quartic coupling terms. Journal of Chemical Physics, 1994, 101, 5875-5890.	3.0	112
34	Doublet stability of ab initio SCF solutions for the allyl radical. Molecular Physics, 1978, 35, 445-459.	1.7	110
35	Application of graphical methods of spin algebras to limitedCI approaches. I. Closed shell case. International Journal of Quantum Chemistry, 1977, 11, 813-848.	2.0	109
36	Coupled cluster approaches with an approximate account of triexcitations and the optimized inner projection technique. Theoretica Chimica Acta, 1990, 78, 65-128.	0.8	107

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37	Valence bond corrected single reference coupled cluster approach. Theoretica Chimica Acta, 1994, 89, 13-31.	0.8	107
38	Simultaneous handling of dynamical and nondynamical correlation via reduced multireference coupled cluster method: Geometry and harmonic force field of ozone. Journal of Chemical Physics, 1999, 110, 2844-2852.	3.0	102
39	Correlation effects in the low-lying excited states of thePPP models of alternant hydrocarbons. I. Qualitative rules for the effect of limited configuration interaction. International Journal of Quantum Chemistry, 1974, 8, 951-970.	2.0	100
40	An algebraic approach to bound states of simple one-electron systems. International Journal of Quantum Chemistry, 1977, 12, 875-896.	2.0	99
41	Stability Conditions for the Solutions of the Hartree–Fock Equations for Atomic and Molecular Systems. III. Rules for the Singlet Stability of Hartree–Fock Solutions of l€â€Electronic Systems. Journal of Chemical Physics, 1970, 53, 821-829.	3.0	98
42	Vectorizable approach to molecular CI problems using determinantal basis. Chemical Physics Letters, 1989, 155, 183-188.	2.6	98
43	Green's function approach to the direct perturbation calculation of the excitation energies of closed shell fermion systems. Journal of Chemical Physics, 1974, 60, 149-163.	3.0	96
44	Correlation problems in atomic and molecular systems. VII. Application of the open-shell coupled-cluster approach to simple ?-electron model systems. International Journal of Quantum Chemistry, 1979, 15, 463-479.	2.0	92
45	Stability Conditions for the Solutions of the Hartree–Fock Equations for Atomic and Molecular Systems. IV. A Study of Doublet Stability for Odd Linear Polyenic Radicals. Journal of Chemical Physics, 1971, 54, 2293-2303.	3.0	91
46	Reduced multireference coupled cluster method: Ro-vibrational spectra of N2. Journal of Chemical Physics, 2000, 113, 9966-9977.	3.0	91
47	Dissociation of N2 triple bond: a reduced multireference CCSD study. Chemical Physics Letters, 1998, 286, 145-154.	2.6	90
48	The general-model-space state-universal coupled-cluster method exemplified by the LiH molecule. Journal of Chemical Physics, 2003, 119, 5346-5357.	3.0	87
49	Externally corrected singles and doubles coupled cluster methods for open-shell systems. Journal of Chemical Physics, 1997, 107, 90-98.	3.0	86
50	Bond length alternation in cyclic polyenes. I. Restricted Hartree-Fock method. International Journal of Quantum Chemistry, 1983, 24, 373-394.	2.0	84
51	Clifford algebra unitary group approach to manyâ€electron correlation problem. Journal of Chemical Physics, 1985, 83, 5135-5152.	3.0	84
52	Reduced multireference coupled cluster method with singles and doubles: Perturbative corrections for triples. Journal of Chemical Physics, 2006, 124, 174101.	3.0	84
53	Cluster analysis of the full configuration interaction wave functions of cyclic polyene models. International Journal of Quantum Chemistry, 1982, 22, 1281-1305.	2.0	81
54	Algebraic Approach to Coupled Cluster Theory. NATO ASI Series Series B: Physics, 1994, , 207-282.	0.2	80

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55	Molecular quadrupole moment functions of HF and N2. I.Abinitiolinearâ€response coupledâ€cluster results. Journal of Chemical Physics, 1996, 104, 4699-4715.	3.0	79
56	Relationship between configuration interaction and coupled cluster approaches. Journal of Chemical Physics, 1982, 76, 2458-2470.	3.0	78
57	Coupled-cluster approach to electron correlation in one dimension. II. Cyclic polyene model in localized basis. Physical Review B, 1985, 31, 5121-5142.	3.2	78
58	Energy versus amplitude corrected coupled-cluster approaches. II. Breaking the triple bond. Journal of Chemical Physics, 2001, 115, 5774-5783.	3.0	78
59	Unitary group approach to spin-adapted open-shell coupled cluster theory. International Journal of Quantum Chemistry, 1995, 56, 129-155.	2.0	75
60	Stability conditions for the solutions of the Hartree-Fock equations for the simple open-shell case. Chemical Physics Letters, 1969, 3, 1-3.	2.6	73
61	Applicability of valenceâ€universal multireference coupledâ€cluster theories to quasidegenerate electronic states. I. Models involving at most twoâ€body amplitudes. Journal of Chemical Physics, 1992, 97, 7600-7612.	3.0	72
62	Reduced multireference coupled cluster method IV: open-shell systems. Molecular Physics, 2000, 98, 1185-1199.	1.7	70
63	N-reference, M-state coupled-cluster method: Merging the state-universal and reduced multireference coupled-cluster theories. Journal of Chemical Physics, 2003, 119, 5334-5345.	3.0	69
64	Performance of the general-model-space state-universal coupled-cluster method. Journal of Chemical Physics, 2004, 120, 5890-5902.	3.0	69
65	Full potential energy curve for N2 by the reduced multireference coupled-cluster method. Journal of Chemical Physics, 2008, 129, 054104.	3.0	69
66	Applicability of multi-reference many-body perturbation theory to the determination of potential energy surfaces: A model study. International Journal of Quantum Chemistry, 1990, 38, 761-778.	2.0	66
67	Valence bond corrected single reference coupled cluster approach. Theoretica Chimica Acta, 1994, 89, 59-76.	0.8	66
68	Applicability of non-degenerate many-body perturbation theory to quasidegenerate electronic states: A model study. International Journal of Quantum Chemistry, 1983, 23, 1781-1802.	2.0	65
69	Coupled-cluster approaches with an approximate account of triexcitations and the optimized-inner-projection technique. II. Coupled-cluster results for cyclic-polyene model systems. Physical Review B, 1990, 42, 3351-3379.	3.2	65
70	Stability of Hartree–Fock solutions and symmetry breaking in the independent particle model:Abinitiocase study of the LCAO–MO–SCF solutions for finite chains of hydrogen atoms. Journal of Chemical Physics, 1980, 72, 6546-6559.	3.0	64
71	Symmetry-adapted coupled-pair approach to the many-electron correlation problem. II. Application to the Be atom. Physical Review A, 1981, 24, 2316-2329.	2.5	61
72	Method of moments approach and coupled cluster theory. Theoretica Chimica Acta, 1991, 80, 223-243.	0.8	60

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73	General-model-space state-universal coupled-cluster methods for excited states: Diagonal noniterative triple corrections. Journal of Chemical Physics, 2006, 124, 034112.	3.0	60
74	Single-reference CCSD approach employing three- and four-body CAS SCF corrections: A preliminary study of a simple model. International Journal of Quantum Chemistry, 1997, 62, 137-151.	2.0	58
75	Unitary Group Approach to Many-Electron Correlation Problem. Lecture Notes in Quantum Chemistry II, 1981, , 1-50.	0.3	57
76	Symmetry-adapted coupled-pair approach to the many-electron correlation problem. III. Approximate coupled-pair approaches for the Be atom. Physical Review A, 1981, 24, 2330-2338.	2.5	56
77	Orthogonally spinâ€adapted singleâ€reference coupledâ€cluster formalism: Linear response calculation of static properties. Journal of Chemical Physics, 1995, 102, 6511-6524.	3.0	55
78	Valence bond corrected single reference coupled cluster approach. Theoretica Chimica Acta, 1994, 89, 33-57.	0.8	54
79	Stability Conditions for the Solutions of the Hartree-Fock Equations for Atomic and Molecular Systems. V.The Nonanalytic Behavior of the Broken-Symmetry Solutions at the Branching Point. Physical Review A, 1971, 3, 525-527.	2.5	53
80	Spinâ€dependent unitary group approach. I. General formalism. Journal of Chemical Physics, 1990, 92, 7394-7401.	3.0	53
81	Bond length alternation in cyclic polyenes. VI. Coupled cluster approach with wannier orbital basis. International Journal of Quantum Chemistry, 1985, 28, 459-479.	2.0	52
82	The beginnings of coupled-cluster theory. , 2005, , 115-147.		52
82	The beginnings of coupled-cluster theory., 2005, , 115-147.  A pattern calculus for the unitary group approach to the electronic correlation problem. International Journal of Quantum Chemistry, 1975, 9, 165-174.	2.0	52
	A pattern calculus for the unitary group approach to the electronic correlation problem.	2.0	
83	A pattern calculus for the unitary group approach to the electronic correlation problem. International Journal of Quantum Chemistry, 1975, 9, 165-174.  Bond length alternation in cyclic polyenes. II. Unrestricted hartree-fock method. International		52
83	A pattern calculus for the unitary group approach to the electronic correlation problem. International Journal of Quantum Chemistry, 1975, 9, 165-174.  Bond length alternation in cyclic polyenes. II. Unrestricted hartree-fock method. International Journal of Quantum Chemistry, 1983, 24, 395-409.	2.0	52 51
83 84 85	A pattern calculus for the unitary group approach to the electronic correlation problem. International Journal of Quantum Chemistry, 1975, 9, 165-174.  Bond length alternation in cyclic polyenes. II. Unrestricted hartree-fock method. International Journal of Quantum Chemistry, 1983, 24, 395-409.  Alternancy symmetry: A unified viewpoint. Journal of Chemical Physics, 1985, 83, 1722-1735.  Applicability of nondegenerate many-body perturbation theory to quasi-degenerate electronic states.	2.0	52 51 51
83 84 85 86	A pattern calculus for the unitary group approach to the electronic correlation problem. International Journal of Quantum Chemistry, 1975, 9, 165-174.  Bond length alternation in cyclic polyenes. II. Unrestricted hartree-fock method. International Journal of Quantum Chemistry, 1983, 24, 395-409.  Alternancy symmetry: A unified viewpoint. Journal of Chemical Physics, 1985, 83, 1722-1735.  Applicability of nondegenerate many-body perturbation theory to quasi-degenerate electronic states. II. A two-state model. International Journal of Quantum Chemistry, 1985, 28, 525-534.  Clifford algebra unitary-group approach to many-electron system partitioning. Physical Review A, 1987,	2.0 3.0 2.0	52 51 51 50
83 84 85 86	A pattern calculus for the unitary group approach to the electronic correlation problem. International Journal of Quantum Chemistry, 1975, 9, 165-174.  Bond length alternation in cyclic polyenes. II. Unrestricted hartree-fock method. International Journal of Quantum Chemistry, 1983, 24, 395-409.  Alternancy symmetry: A unified viewpoint. Journal of Chemical Physics, 1985, 83, 1722-1735.  Applicability of nondegenerate many-body perturbation theory to quasi-degenerate electronic states. II. A two-state model. International Journal of Quantum Chemistry, 1985, 28, 525-534.  Clifford algebra unitary-group approach to many-electron system partitioning. Physical Review A, 1987, 35, 3197-3217.  Orthogonally spinâ€adapted singleâ€reference coupledâ€cluster formalism: Linear response calculation of	2.0 3.0 2.0 2.5	52 51 51 50

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91	Calculation of pâ€Band Positions of Aromatic Polycyclic Hydrocarbons by Limited Configuration Interaction Method. Journal of Chemical Physics, 1962, 36, 3129-3134.	3.0	48
92	Degeneracy and coupled-cluster approaches. International Journal of Quantum Chemistry, 1984, 26, 237-244.	2.0	48
93	Applicability of valenceâ€universal multireference coupledâ€cluster theories to quasidegenerate electronic states. II. Models involving threeâ€body amplitudes. Journal of Chemical Physics, 1994, 101, 3085-3095.	3.0	48
94	Coupled-Cluster approaches with an approximate account of triply and quadruply excited clusters: Implementation of the orthogonally spin-adaptedCCD +ST(CCD),CCSD +T(CCSD), andACPQ +ST(ACPQ) formalisms. International Journal of Quantum Chemistry, 1995, 55, 133-146.	2.0	48
95	Analysis of the multireference state-universal coupled-clusterAnsatz. Journal of Chemical Physics, 2003, 118, 6769-6783.	3.0	48
96	Lie Algebraic Approach to the Many-Electron Correlation Problem. The IMA Volumes in Mathematics and Its Applications, 1988, , 262-299.	0.5	47
97	Particle-hole formulation of the unitary group approach to the many-electron correlation problem. I. State construction and classification. Physical Review A, 1980, 22, 2299-2315.	2.5	46
98	Accounting for the exact degeneracy and quasidegeneracy in the automerization of cyclobutadiene via multireference coupled-cluster methods. Journal of Chemical Physics, 2009, 131, 114103.	3.0	46
99	Configuration interaction matrix elements. II. Graphical approach to the relationship between unitary group generators and permutations. International Journal of Quantum Chemistry, 1979, 16, 1321-1335.	2.0	45
100	Stability Conditions for Maximum-Overlap (Brueckner) Independent-Particle Wave Functions. Physical Review A, 1973, 8, 640-649.	2.5	44
101	Configuration interaction matrix elements. I. Algebraic approach to the relationship between unitary group generators and permutations. International Journal of Quantum Chemistry, 1979, 16, 1307-1319.	2.0	44
102	Particle-hole formulation of the unitary group approach to the many-electron correlation problem. II. Matrix element evaluation. Physical Review A, 1980, 22, 2316-2339.	2.5	44
103	Electron correlation in one dimension: Coupled cluster approaches to cyclic polyene?-electron models. International Journal of Quantum Chemistry, 1992, 42, 135-164.	2.0	43
104	Comparison of the openâ€shell stateâ€universal and stateâ€selective coupledâ€cluster theories: H4 and H8 models. Journal of Chemical Physics, 1995, 103, 1024-1034.	3.0	43
105	Singlet-Triplet Splitting in Methylene: An Accurate Description of Dynamic and Nondynamic Correlation by Reduced Multireference Coupled Cluster Method. Collection of Czechoslovak Chemical Communications, 1998, 63, 1381-1393.	1.0	43
106	A truncated version of reduced multireference coupled-cluster method with singles and doubles and noniterative triples: Application to F2 and Ni(CO)n ( $n=1, 2, and 4$ ). Journal of Chemical Physics, 2006, 125, 164107.	3.0	43
107	Representation theory ofso(4,2) for the perturbation treatment of hydrogenic-type hamiltonians by algebraic methods. International Journal of Quantum Chemistry, 1982, 21, 153-171.	2.0	42
108	Truncated version of the reduced multireference coupled-cluster method with perturbation selection of higher than pair clusters. International Journal of Quantum Chemistry, 2000, 80, 743-756.	2.0	42

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109	Bond length alternation in cyclic polyenes. IV. Finite-order purturbation theory approach. International Journal of Quantum Chemistry, 1984, 25, 423-443.	2.0	41
110	Perturbation theory and electron correlation in extended systems: Cyclic polyene model. International Journal of Quantum Chemistry, 1983, 24, 707-727.	2.0	40
111	Spinâ€adapted openâ€shell stateâ€selective coupled cluster approach and doublet stability of its Hartree–Fock reference. Journal of Chemical Physics, 1995, 102, 2013-2023.	3.0	40
112	Singlet–triplet separation in BN and C2: Simple yet exceptional systems for advanced correlated methods. Chemical Physics Letters, 2006, 431, 179-184.	2.6	40
113	Quasi-degeneracy and coupled-pair theories. Chemical Physics Letters, 1979, 67, 144-148.	2.6	39
114	On the solution of coupled-cluster equations in the fully correlated limit of cyclic polyene model. International Journal of Quantum Chemistry, 1991, 40, 9-34.	2.0	39
115	Energy- versus amplitude-corrected coupled-cluster approaches. III. Accurate computation of spectroscopic data exemplified on the HF molecule. Journal of Chemical Physics, 2002, 117, 1941-1955.	3.0	39
116	The instabilities of the hartreeâ€fock solutions for cyclic polyenes with respect to the spin and charge density fluctuations. Journal of Polymer Science Part C Polymer Symposia, 1970, 29, 199-210.	0.1	39
117	Symmetry Breaking in the Independent Particle Model. , 2003, , 67-139.		39
118	Application of graphical methods of spin algebras to limitedCI approaches. II. A simple open shell case. International Journal of Quantum Chemistry, 1977, 11, 849-867.	2.0	38
119	Valence bond approach to the Pariser-Parr-Pople Hamiltonian and its application to simple π-electron systems. Computational and Theoretical Chemistry, 1991, 229, 249-278.	1.5	38
120	Size extensivity of a general-model-space state-universal coupled-cluster method. International Journal of Quantum Chemistry, 2004, 99, 914-924.	2.0	38
121	Multireference general-model-space state-universal and state-specific coupled-cluster approaches to excited states. Journal of Chemical Physics, 2010, 133, 184106.	3.0	38
122	Hartree–Fock stability and symmetry breaking: oxygen doubly negative ion. Canadian Journal of Chemistry, 1985, 63, 1803-1811.	1.1	37
123	Unitary group based stateâ€selective coupledâ€eluster method: Comparison of the first order interacting space and the full single and double excitation space approximations. Journal of Chemical Physics, 1995, 102, 8897-8905.	3.0	37
124	Real or artifactual symmetry breaking in the BNB radical: A multireference coupled cluster viewpoint. Journal of Chemical Physics, 2007, 126, 224304.	3.0	37
125	A unitary group based openâ€shell coupled cluster study of vibrational frequencies in ground and excited states of first row diatomics. Journal of Chemical Physics, 1996, 104, 9555-9562.	3.0	36
126	Multireference Coupled-Cluster Methods: Recent Developments. Challenges and Advances in Computational Chemistry and Physics, 2010, , 455-489.	0.6	36

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127	Valence bond approach exploiting Clifford algebra realization of Rumer-Weyl basis. International Journal of Quantum Chemistry, 1992, 41, 117-146.	2.0	35
128	Externally corrected singles and doubles coupled cluster methods for open-shell systems. II. Applications to the low lying doublet states of OH, NH2, CH3 and CN radicals. Molecular Physics, 1998, 94, 235-248.	1.7	35
129	Bond length alternation in cyclic polyenes. V. Local finite-order perturbation theory approach. International Journal of Quantum Chemistry, 1984, 26, 349-371.	2.0	34
130	Coupled cluster approach or quadratic–configuration interaction?: Reply to comment by Pople, Headâ€Gordon, and Raghavachari. Journal of Chemical Physics, 1990, 93, 1485-1486.	3.0	34
131	Correlation effects in the low-lying excited states of the PPP models of alternant hydrocarbons. II. State correlation diagrams. International Journal of Quantum Chemistry, 1974, 8, 293-303.	2.0	34
132	A Comment on the Paper by Hideo Fukutome: Spin Density Wave and Charge Transfer Wave in Long Conjugated Molecules. Progress of Theoretical Physics, 1969, 42, 769-774.	2.0	33
133	Bond length alternation in cyclic polyenes. III. Alternant molecular orbital method. International Journal of Quantum Chemistry, 1983, 24, 411-423.	2.0	33
134	Spin properties of radicaloid alternant hydrocarbons. Exact solutions for representative Pariser–Parr–Pople model systems. Journal of Chemical Physics, 1984, 80, 2244-2246.	3.0	33
135	Unitary group approach to reduced density matrices. Journal of Chemical Physics, 1990, 93, 4142-4153.	3.0	33
136	Symmetry-adapted coupled-pair approach to the many-electron correlation problem. I.LS-adapted theory for closed-shell atoms. Physical Review A, 1981, 24, 2302-2315.	2.5	32
137	Study of the correlation effects in a threeâ€electron model system using the projected Hartreeâ€Fock method and the natural spin orbital formalism. Journal of Chemical Physics, 1973, 59, 2560-2571.	3.0	31
138	A remark on doublet stability of allyl radical restricted SCF solutions. Chemical Physics Letters, 1977, 50, 6-8.	2.6	31
139	Perturbatively selected CI as an optimal source for externally corrected CCSD. Journal of Chemical Physics, 1999, 110, 11708-11716.	3.0	31
140	Electron Correlation in Small Molecules: Grafting CI onto CC. Topics in Current Chemistry, 1999, , 1-20.	4.0	31
141	Multiconfigurational spin-adapted single-reference coupled cluster formalism. International Journal of Quantum Chemistry, 1993, 48, 269-285.	2.0	30
142	Unitary group based state specific openâ€shellâ€singlet coupledâ€cluster method: Application to ozone and comparison with Hilbert and Fock space theories. Journal of Chemical Physics, 1995, 102, 8059-8070.	3.0	30
143	Partially linearized, fully size-extensive, and reduced multireference coupled-cluster methods. II. Applications and performance. Journal of Chemical Physics, 2008, 128, 144119.	3.0	30
144	Convergence of the Rayleighâ€Schrödinger perturbation expansions for the energy levels of the Pariserâ€Parrâ€Pople model of the benzene molecule. Journal of Chemical Physics, 1974, 60, 4825-4829.	3.0	29

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145	Model space incompleteness in multireference state-universal and state-selective coupled-cluster theories. Chemical Physics Letters, 2010, 496, 183-187.	2.6	29
146	Externally and internally corrected coupled cluster approaches: an overview. Journal of Mathematical Chemistry, 2017, 55, 477-502.	1.5	29
147	Calculation of permutation matrices using graphical methods of spin algebras: Explicit expressions for the Serber-coupling case. Physical Review A, 1978, 18, 827-840.	2.5	28
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