

# Uzi Kaldor

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/11550027/uzi-kaldor-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152  
papers

5,673  
citations

49  
h-index

69  
g-index

153  
ext. papers

5,883  
ext. citations

3  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
152	Electronic Structure at the Edge of the Periodic Table. <i>Nuclear Physics News</i> , <b>2019</b> , 29, 16-20	0.7	6
151	Electron affinity of gallium and fine structure of Ga <sup>+</sup> Experiment and theory. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	4
150	First Ionization Potentials of Fm, Md, No, and Lr: Verification of Filling-Up of 5f Electrons and Confirmation of the Actinide Series. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14609-14613	16.4	23
149	Electronic Structure of the Transactinide Atoms <b>2018</b> , 1-16		1
148	Relativistic coupled cluster calculation of Mössbauer isomer shifts of iodine compounds. <i>Molecular Physics</i> , <b>2017</b> , 115, 138-143	1.7	3
147	High-Accuracy Relativistic Coupled-Cluster Calculations for the Heaviest Elements <b>2017</b> , 825-855		1
146	Study of Actinides by Relativistic Coupled Cluster Methods <b>2015</b> , 23-54		1
145	Electronic structure theory of the superheavy elements. <i>Nuclear Physics A</i> , <b>2015</b> , 944, 518-550	1.3	61
144	High-Accuracy Relativistic Coupled Cluster Calculations for the Heaviest Elements <b>2015</b> , 1-31		3
143	Impurity effects on the electronic structure and spectra of spherical quantum dots by the 4-component relativistic coupled cluster method. <i>Computational and Theoretical Chemistry</i> , <b>2014</b> , 1040-1041, 61-71	2	5
142	Precision of calculated static polarizabilities: Ga, In and Tl atoms. <i>Chemical Physics</i> , <b>2012</b> , 395, 104-107	2.3	8
141	Transition energies of Rn- and Fr-like actinide ions by relativistic intermediate Hamiltonian Fock-space coupled-cluster methods. <i>Chemical Physics</i> , <b>2012</b> , 392, 78-82	2.3	13
140	The nuclear quadrupole moments of <sup>191,193,195,197</sup> Pb and <sup>139</sup> La. <i>Theoretical Chemistry Accounts</i> , <b>2011</b> , 129, 409-412	1.9	1
139	Electronic structure of three-dimensional isotropic quantum dots by four-component relativistic coupled cluster methods. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 054503	3.9	7
138	Relativistic Four-Component Multireference Coupled Cluster Methods: Towards A Covariant Approach. <i>Challenges and Advances in Computational Chemistry and Physics</i> , <b>2010</b> , 113-144	0.7	10
137	Four-Component Electronic Structure Methods. <i>Challenges and Advances in Computational Chemistry and Physics</i> , <b>2010</b> , 279-349	0.7	16
136	The nuclear quadrupole moment of <sup>69</sup> Ga and <sup>115</sup> In. <i>Canadian Journal of Chemistry</i> , <b>2009</b> , 87, 802-805	0.9	3

135	Electron affinity of element 114, with comparison to Sn and Pb. <i>Chemical Physics Letters</i> , <b>2009</b> , 480, 49-51.5		21
134	Intermediate Hamiltonian Hilbert space coupled cluster method: Theory and pilot application. <i>International Journal of Quantum Chemistry</i> , <b>2009</b> , 109, 2909-2915	2.1	27
133	Spin-extended and configuration-interaction studies of first-row atoms. <i>International Journal of Quantum Chemistry</i> , <b>2009</b> , 2, 13-20	2.1	4
132	On the performance of two-component energy-consistent pseudopotentials in atomic Fock-space coupled cluster calculations. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 024106	3.9	13
131	High-accuracy calculation of nuclear quadrupole moments of atomic halogens. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 054301	3.9	21
130	Nuclear quadrupole moment of <sup>197</sup> Au from high-accuracy atomic calculations. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 184305	3.9	20
129	Predicted spectrum of atomic nobelium. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	41
128	A Fock space coupled cluster study on the electronic structure of the UO(2), UO(2) (+), U(4+), and U(5+) species. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 124308	3.9	82
127	Atomic transition energies and the variation of the fine-structure constant $\alpha$ <i>Physical Review A</i> , <b>2006</b> , 74,	2.6	8
126	Intermediate Hamiltonian coupled cluster methods: meV accuracy for alkaline earth transition energies. <i>Computational and Theoretical Chemistry</i> , <b>2006</b> , 768, 127-132		4
125	Ionization potentials of alkali atoms: towards meV accuracy. <i>Chemical Physics</i> , <b>2005</b> , 311, 163-168	2.3	31
124	Extrapolated intermediate Hamiltonian coupled-cluster approach: theory and pilot application to electron affinities of alkali atoms. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 224113	3.9	63
123	Accurate Relativistic Fock-Space Calculations for Many-Electron Atoms. <i>Theoretical and Computational Chemistry</i> , <b>2004</b> , 14, 81-119		5
122	FOUR-COMPONENT RELATIVISTIC COUPLED CLUSTER $\Gamma$ METHOD AND APPLICATIONS. <i>Recent Advances in Computational</i> , <b>2004</b> , 283-327		5
121	Study of Heavy Elements by Relativistic Fock Space and Intermediate Hamiltonian Coupled Cluster Methods <b>2004</b> , 365-406		7
120	Mixed-sector intermediate Hamiltonian Fock-space coupled cluster approach. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 6634-9	3.9	57
119	Bernd A. Hess (ed): Relativistic Effects in Heavy-Element Chemistry and Physics. <i>Theoretical Chemistry Accounts</i> , <b>2003</b> , 110, 358-358	1.9	1
118	QED corrections to the binding energy of the eka-radon (Z=118) negative ion. <i>Physical Review A</i> , <b>2003</b> , 67,	2.6	41

117	INTERMEDIATE HAMILTONIAN FOCK-SPACE COUPLED CLUSTER METHOD AND APPLICATIONS. <i>International Journal of Modern Physics B</i> , <b>2003</b> , 17, 5335-5345	1.1	4
116	Four-Component Electronic Structure Methods for Atoms. <i>Progress in Theoretical Chemistry and Physics</i> , <b>2003</b> , 171-210	0.6	3
115	Potential Functions of Al <sub>2</sub> by the Relativistic Fock-Space Coupled Cluster Method. <i>International Journal of Molecular Sciences</i> , <b>2002</b> , 3, 498-507	6.3	2
114	Electronic structure of eka-thorium (element 122) compared with thorium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2002</b> , 35, 1693-1700	1.3	36
113	RELATIVISTIC COUPLED CLUSTER CALCULATIONS FOR HEAVY AND SUPER-HEAVY ELEMENTS <b>2002</b> , 260-292		0
112	INTERMEDIATE HAMILTONIAN FOCK-SPACE COUPLED CLUSTER METHOD AND APPLICATIONS <b>2002</b> ,		3
111	Intermediate Hamiltonian Fock-space coupled-cluster method. <i>Advances in Quantum Chemistry</i> , <b>2001</b> , 39, 171-188	1.4	42
110	Generalized relativistic effective core potential and relativistic coupled cluster calculation of the spectroscopic constants for the HgH molecule and its cation. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 2007-2013 <sup>29</sup>	3.9	29
109	Electronic structure of eka-lead (element 114) compared with lead. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 2977-2980	3.9	74
108	Benchmark calculations of electron affinities of the alkali atoms sodium to eka-francium (element 119). <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 2389-2392	3.9	48
107	Formulation and implementation of the relativistic Fock-space coupled cluster method for molecules. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 9720-9726	3.9	174
106	Intermediate Hamiltonian Fock-space coupled cluster method in the one-hole one-particle sector: Excitation energies of xenon and radon. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 6862-6865	3.9	53
105	Multireference many-body methods. Perspective on linked-cluster expansions for the nuclear many-body problem. <i>Theoretical Chemistry Accounts</i> , <b>2000</b> , 103, 276-277	1.9	
104	Relativistic all-electron coupled-cluster calculations on Au <sub>2</sub> in the framework of the Douglas-Kroll transformation. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 1809-1813	3.9	83
103	Intermediate Hamiltonian Fock-space coupled-cluster method: Excitation energies of barium and radium. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 9905-9910	3.9	104
102	Ultrafast Dynamics of Chlorine-Water and Bromine-Water Radical Complexes Following Electron Photodetachment in Their Anionic Precursors. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 6523-6531	2.8	19
101	Multireference many-body methods. Perspective on linked-cluster expansions for the nuclear many-body problem. <b>2000</b> , 276-277		
100	Ab initio calculations of the ground-state electron affinities of gallium and indium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1999</b> , 32, 5853-5859	1.3	13

99	Intermediate Hamiltonian Fock-space coupled-cluster method. <i>Chemical Physics Letters</i> , <b>1999</b> , 313, 399-403	4.0	103
98	Relaxation of chlorine anions solvated in small water clusters upon electron photodetachment.: The three lowest potential energy surfaces of the neutral Cl <sup>-</sup> H <sub>2</sub> O complex. <i>Chemical Physics Letters</i> , <b>1998</b> , 293, 309-316	2.5	23
97	Transition energies of lanthanum, actinium, and eka-actinium (element 121). <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 3954-3958	3.9	57
96	The relativistic Fock-space coupled-cluster method for molecules: CdH and its ions. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 3409-3415	3.9	64
95	Atomic and molecular applications of the coupled cluster method <b>1998</b> , 71-92		2
94	High-Accuracy Calculations for Heavy and Super-Heavy Elements. <i>Advances in Quantum Chemistry</i> , <b>1998</b> , 31, 313-336	1.4	73
93	The relativistic coupled-cluster method: transition energies of bismuth and eka-bismuth. <i>Molecular Physics</i> , <b>1998</b> , 94, 181-187	1.7	28
92	Electron affinities of boron, aluminum, gallium, indium, and thallium. <i>Physical Review A</i> , <b>1997</b> , 56, 4532-4536	3.6	35
91	RELATIVISTIC COUPLED CLUSTER: METHOD AND APPLICATIONS. <i>Recent Advances in Computational Chemistry</i> , <b>1997</b> , 125-153		6
90	Isaiah Shavitt. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 6017-6022		1
89	Calculated energy levels of thallium and eka-thallium (element 113). <i>Physical Review A</i> , <b>1996</b> , 53, 3926-3933	3.3	100
88	The relativistic four-component coupled cluster method for molecules: spectroscopic constants of SnH <sub>4</sub> . <i>Chemical Physics Letters</i> , <b>1996</b> , 248, 405-408	2.5	29
87	Large relativistic effects in molecular properties of the hydride of superheavy element 111. <i>Chemical Physics Letters</i> , <b>1996</b> , 250, 461-465	2.5	59
86	Element 118: The First Rare Gas with an Electron Affinity. <i>Physical Review Letters</i> , <b>1996</b> , 77, 5350-5352	7.4	93
85	Transition energies of barium and radium by the relativistic coupled-cluster method. <i>Physical Review A</i> , <b>1996</b> , 53, 3050-3056	2.6	54
84	Relativistic Many-Body Calculations on Atoms and Molecules. <i>Computational Chemistry - Reviews of Current Trends</i> , <b>1996</b> , 1-52		14
83	The coupled-cluster method in high sectors of the Fock space. <i>International Journal of Quantum Chemistry</i> , <b>1995</b> , 55, 127-132	2.1	17
82	Transition energies of ytterbium, lutetium, and lawrencium by the relativistic coupled-cluster method. <i>Physical Review A</i> , <b>1995</b> , 52, 291-296	2.6	110

81	Relativistic coupled-cluster method: Intrashell excitations in the f2 shells of Pr+3 and U+4. <i>Physical Review A</i> , <b>1995</b> , 51, 225-230	2.6	88
80	Transition energies of mercury and ekamercury (element 112) by the relativistic coupled-cluster method. <i>Physical Review A</i> , <b>1995</b> , 52, 2765-2769	2.6	109
79	Ground state electron configuration of Rutherfordium: Role of dynamic correlation. <i>Physical Review Letters</i> , <b>1995</b> , 74, 1079-1082	7.4	93
78	Relativistic Coupled Cluster Calculations <b>1995</b> , 135-142		1
77	The Cl <sub>N</sub> H <sub>3</sub> , Cl <sub>N</sub> H <sub>2</sub> O, F <sub>N</sub> H <sub>3</sub> and F <sub>N</sub> H <sub>2</sub> O clusters and their photoelectron spectra. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , <b>1994</b> , 31, 279-282		20
76	Relativistic coupled cluster theory based on the no-pair dirac-Coulomb-Breit hamiltonian: Relativistic pair correlation energies of the xe atom. <i>International Journal of Quantum Chemistry</i> , <b>1994</b> , 52, 205-214	2.1	21
75	Relativistic coupled cluster method based on Dirac-Coulomb-Breit wavefunctions. Ground state energies of atoms with two to five electrons. <i>Chemical Physics Letters</i> , <b>1994</b> , 222, 82-87	2.5	37
74	Relativistic all-electron coupled-cluster calculations on the gold atom and gold hydride in the framework of the douglas-kroll transformation. <i>Chemical Physics Letters</i> , <b>1994</b> , 230, 1-7	2.5	76
73	Ionization potentials and excitation energies of the alkali-metal atoms by the relativistic coupled-cluster method. <i>Physical Review A</i> , <b>1994</b> , 50, 1121-1128	2.6	113
72	Ground state electron configuration of element 111. <i>Physical Review Letters</i> , <b>1994</b> , 73, 3203-3206	7.4	105
71	Open-shell relativistic coupled-cluster method with Dirac-Fock-Breit wave functions: Energies of the gold atom and its cation. <i>Physical Review A</i> , <b>1994</b> , 49, 1724-1729	2.6	177
70	The Fock-space coupled-cluster method: Electron affinities of the five halogen elements with consideration of triple excitations. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 6773-6776	3.9	21
69	Degeneracy breaking in the Hilbert-space coupled cluster method. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 3090-3094	3.9	51
68	Charge transfer excitations in the photoelectron spectrum of Cl <sub>N</sub> H <sub>3</sub> : Experiment and calculation. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 6201-6204	3.9	24
67	Fock-space coupled-cluster method: The (1,2) sector. <i>Physical Review A</i> , <b>1993</b> , 47, 4705-4712	2.6	25
66	Ground and excited states of K <sub>2</sub> and K <sub>2</sub> <sup>+</sup> by the open-shell coupled cluster method. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 7126-7131	3.9	32
65	Relativistic coupled-cluster calculations for open-shell atoms. <i>Physical Review A</i> , <b>1993</b> , 47, 137-142	2.6	42
64	The coupled-cluster method with full inclusion of single, double and triple excitations applied to high sectors of the Fock space. <i>Chemical Physics Letters</i> , <b>1993</b> , 204, 339-342	2.5	19

63	The Fock-Space Coupled Cluster Method Extended to Higher Sectors <b>1993</b> , 385-394		
62	The relativistic open shell coupled cluster method: Direct calculation of excitation energies in the Ne atom. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 8455-8458	3.9	35
61	Hilbert space coupled-cluster method in an incomplete model space. <i>Chemical Physics Letters</i> , <b>1992</b> , 199, 42-46	2.5	36
60	Relativistic coupled-cluster calculations for closed-shell atoms. <i>Chemical Physics Letters</i> , <b>1992</b> , 194, 95-98.	2.5	38
59	High sectors in the Fock space coupled-cluster method. <i>Chemical Physics Letters</i> , <b>1992</b> , 194, 99-104	2.5	42
58	Multireference Coupled-Cluster Approach to Spectroscopic Constants: Molecular Geometries and Harmonic Frequencies <b>1992</b> , 213-231		2
57	Na2 Ground and Excited States by the Open-Shell Coupled-Cluster Method. <i>Israel Journal of Chemistry</i> , <b>1991</b> , 31, 345-349	3.4	7
56	Symmetry breaking in radicals: NO2, NS2 and NO3. <i>Chemical Physics Letters</i> , <b>1991</b> , 185, 131-135	2.5	70
55	The Fock space coupled cluster method: theory and application. <i>Theoretica Chimica Acta</i> , <b>1991</b> , 80, 427-439		211
54	The ground state geometry of the NO3 radical. <i>Chemical Physics Letters</i> , <b>1990</b> , 166, 599-601	2.5	51
53	Vibrational frequencies and geometry of N3 and N3 <sup>+</sup> by the coupled-cluster method. <i>International Journal of Quantum Chemistry</i> , <b>1990</b> , 38, 291-294	2.1	13
52	Harmonic vibrational frequencies and geometry of NO2 and NO2 <sup>+</sup> by the multireference coupled-cluster method. <i>Chemical Physics Letters</i> , <b>1990</b> , 170, 17-20	2.5	38
51	Li2 ground and excited states by the open-shell coupled-cluster method. <i>Chemical Physics</i> , <b>1990</b> , 140, 1-6	2.3	47
50	N2 excitations below 15 eV by the multireference coupled-cluster method. <i>Journal of Chemical Physics</i> , <b>1990</b> , 92, 3680-3682	3.9	72
49	Developments in Multireference Coupled-Cluster Applications to Molecular Systems <b>1990</b> , 283-294		1
48	Multireference coupled cluster and multireference configuration interaction studies of the potential surfaces for deprotonation of NH4 <sup>+</sup> . <i>Journal of Chemical Physics</i> , <b>1989</b> , 90, 6395-6400	3.9	21
47	Applications of the Open-Shell Coupled-Cluster Method. <i>Lecture Notes in Quantum Chemistry II</i> , <b>1989</b> , 155-164	0.6	3
46	Atomic and Molecular Applications of the Multireference Coupled-Cluster Method. <i>Lecture Notes in Quantum Chemistry II</i> , <b>1989</b> , 199-213	0.6	9



45	The open-shell coupled-cluster method in general model space: Five states of LiH. <i>Journal of Chemical Physics</i> , <b>1988</b> , 89, 956-958	3.9	60
44	Intruder states and incomplete model spaces in multireference coupled-cluster theory: The 2p2 states of Be. <i>Physical Review A</i> , <b>1988</b> , 38, 6013-6016	2.6	70
43	The open-shell coupled-cluster method: Effect of single excitations on electronic transition energies. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 5248-5249	3.9	8
42	Direct Calculation of Molecular Transition Energies by the Open-Shell Coupled-Cluster Method <b>1988</b> , 197-208		
41	Open-Shell Coupled-Cluster Studies of Atomic and Molecular Systems <b>1988</b> , 83-92		1
40	The open-shell coupled-cluster method: Excitation energies and ionization potentials of H2O. <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 467-471	3.9	113
39	The open-shell coupled-cluster method: Ionization potentials and electron affinities of the alkali atoms, Li to Cs. <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 4693-4695	3.9	51
38	Open-shell coupled-cluster method: Electron affinities of Li and Na. <i>Journal of Computational Chemistry</i> , <b>1987</b> , 8, 448-453	3.5	47
37	Open-shell coupled-cluster method: Direct calculation of excitation energies. <i>Chemical Physics Letters</i> , <b>1986</b> , 128, 45-48	2.5	60
36	Open-Shell coupled-cluster method: Variational and nonvariational calculation of ionization potentials. <i>International Journal of Quantum Chemistry</i> , <b>1986</b> , 29, 425-433	2.1	58
35	Direct calculation of excitation energies by the coupled-cluster method: Mg and Ar atoms. <i>International Journal of Quantum Chemistry</i> , <b>1986</b> , 30, 445-453	2.1	62
34	Can nondegenerate many-body perturbation theory Be applied to quasidegenerate electronic states?. <i>International Journal of Quantum Chemistry</i> , <b>1985</b> , 28, 103-108	2.1	40
33	Open-shell coupled-cluster theory applied to atomic and molecular systems. <i>Chemical Physics Letters</i> , <b>1985</b> , 117, 347-351	2.5	131
32	Three-electron excitation in open-shell coupled-cluster theory. <i>Chemical Physics Letters</i> , <b>1985</b> , 120, 261-265		101
31	General-model-space perturbation theory: Excitation and ionization of N2. <i>Journal of Chemical Physics</i> , <b>1984</b> , 81, 2406-2410	3.9	50
30	General-model-space many-body perturbation theory: The (2s3p)P1,3 states in the Be isoelectronic sequence. <i>Physical Review A</i> , <b>1984</b> , 30, 2932-2935	2.6	32
29	Quasidegenerate perturbation theory. <i>The Journal of Physical Chemistry</i> , <b>1982</b> , 86, 2133-2140		71
28	Electron-molecule scattering with polarization using the schwinger variational principle. <i>Chemical Physics Letters</i> , <b>1981</b> , 79, 489-493	2.5	4



27	Rydberg states and the observed spectrum ArH. <i>Chemical Physics</i> , <b>1981</b> , 63, 165-173	2.3	22
26	The shifted scheme in the general-model-space diagrammatic perturbation theory. <i>Chemical Physics</i> , <b>1981</b> , 62, 469-479	2.3	31
25	A General-Model-Space Diagrammatic Perturbation Theory. <i>Physica Scripta</i> , <b>1980</b> , 21, 357-361	2.6	102
24	L2-basis-set theory of electron-molecule scattering with vibrational and rotational coupling. <i>Physical Review A</i> , <b>1979</b> , 19, 105-110	2.6	2
23	Nonempirical Polarization in Low-Energy Electron-Molecule Scattering Theory <b>1979</b> , 123-131		
22	The intrinsic viscosity of a suspension of nonharmonic dumbbells. <i>Journal of Chemical Physics</i> , <b>1977</b> , 66, 5505-5508	3.9	3
21	Ab initio calculations of electron-molecule scattering cross sections including polarization. <i>Chemical Physics Letters</i> , <b>1977</b> , 51, 321-324	2.5	32
20	An algorithm for generating Goldstone and Bloch-Brandow diagrams. <i>Journal of Computational Physics</i> , <b>1976</b> , 20, 432-441	4.1	21
19	Many-body perturbation theory applied to eight states of BH. <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 2002-2009	3.9	54
18	Augmented random phase approximation applied to H <sub>2</sub> excitations. <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 4812-4814	3.9	2
17	Degenerate many-body perturbation theory: Excited states of H <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1975</b> , 63, 2199-2205	3.9	58
16	Many-body perturbation theory applied to H <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1975</b> , 62, 4634-4638	3.9	52
15	Many-Body Perturbation-Theory Calculations with Finite, Bound Basis Sets. <i>Physical Review A</i> , <b>1973</b> , 7, 427-434	2.6	60
14	Many-Body Perturbation-Theory Calculations for Excited Molecular States. <i>Physical Review Letters</i> , <b>1973</b> , 31, 1338-1340	7.4	51
13	Ab initio calculation of the He <sub>2</sub> A $1\bar{u} + X 1\bar{g}$ + absorption spectrum. <i>Molecular Physics</i> , <b>1973</b> , 26, 291-295.	7	1
12	Ground State of He <sub>2</sub> by the Spin-Optimized Method. <i>Journal of Chemical Physics</i> , <b>1972</b> , 56, 1741-1745	3.9	14
11	Hyperfine Pressure Shift of Hydrogen in Helium. <i>Journal of Chemical Physics</i> , <b>1971</b> , 55, 4127-4131	3.9	24
10	Distinguishable-Electron Method for Electronic Structure Calculations. III. Contact Spin Densities - The S <sub>2</sub> and P <sub>2</sub> States of Atomic Li. <i>Physical Review A</i> , <b>1971</b> , 3, 1295-1304	2.6	11

9	Potential of the A $1\bar{u} +$ state of He2. <i>Molecular Physics</i> , <b>1971</b> , 22, 1107-1117	1.7	10
8	Spin-Optimized Self-Consistent-Field Function. III. Ground States of Boron and Carbon Atoms. <i>Physical Review A</i> , <b>1970</b> , 2, 1267-1274	2.6	21
7	Spin-Optimized Self-Consistent-Field Function. II. Hyperfine Structure of Atomic Nitrogen. <i>Physical Review A</i> , <b>1970</b> , 1, 1586-1592	2.6	25
6	Spin-Optimized Self-Consistent Field Wave Functions. <i>Physical Review</i> , <b>1969</b> , 183, 1-7		73
5	Spin-Extended Hartree-Fock Functions for Atomic Boron. <i>Journal of Chemical Physics</i> , <b>1968</b> , 49, 6-8	3.9	27
4	Spin-Extended Wave Function for Atomic Sodium. <i>Physical Review</i> , <b>1968</b> , 176, 71-73		7
3	Spin-Extended Wave Functions for First-Row Atoms. <i>Physical Review</i> , <b>1968</b> , 176, 19-24		29
2	Calculation of Extended Hartree-Fock Wavefunctions. <i>Journal of Chemical Physics</i> , <b>1968</b> , 48, 835-837	3.9	51
1	Calculation of Spin Densities for Light Atoms. <i>Journal of Chemical Physics</i> , <b>1968</b> , 49, 469-470	3.9	9