

# Wenjian Liu

## List of Publications by Year in Descending Order

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

154  
papers

5,969  
citations

47  
h-index

71  
g-index

166  
ext. papers

6,697  
ext. citations

5.4  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
154	Rational Design of Photocatalysts for Controlled Polymerization: Effect of Structures on Photocatalytic Activities.. <i>Chemical Reviews</i> , <b>2022</b> ,	68.1	14
153	Tuning Catalyst-Free Photocontrolled Polymerization by Substitution: A Quantitative and Qualitative Interpretation.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 3290-3296	6.4	0
152	The Static-Dynamic-Static Family of Methods for Strongly Correlated Electrons: Methodology and Benchmarking. <i>Topics in Current Chemistry Collections</i> , <b>2022</b> , 181-236	1.8	
151	iCISCF: An Iterative Configuration Interaction-Based Multiconfigurational Self-Consistent Field Theory for Large Active Spaces. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> ,	6.4	5
150	The Static-Dynamic-Static Family of Methods for Strongly Correlated Electrons: Methodology and Benchmarking. <i>Topics in Current Chemistry</i> , <b>2021</b> , 379, 43	7.2	2
149	Dynamic-then-Static Approach for Core Excitations of Open-Shell Molecules. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 7409-7417	6.4	5
148	iCAS: Imposed Automatic Selection and Localization of Complete Active Spaces. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 4846-4859	6.4	7
147	Further Development of iCIPT2 for Strongly Correlated Electrons. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 949-964	6.4	7
146	iOI: An Iterative Orbital Interaction Approach for Solving the Self-Consistent Field Problem. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 4831-4845	6.4	4
145	NAC-TDDFT: Time-Dependent Density Functional Theory for Nonadiabatic Couplings. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 3288-3297	24.3	3
144	Unravelling an oxygen-mediated reductive quenching pathway for photopolymerisation under long wavelengths. <i>Nature Communications</i> , <b>2021</b> , 12, 478	17.4	20
143	Essentials of relativistic quantum chemistry. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 180901	3.9	22
142	BDF: A relativistic electronic structure program package. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 064113	3.9	28
141	Iterative Configuration Interaction with Selection. <i>Journal of Chemical Theory and Computation</i> , <b>2020</b> , 16, 2296-2316	6.4	34
140	Relativistic quantum chemistry: today and tomorrow. <i>Scientia Sinica Chimica</i> , <b>2020</b> , 50, 1672-1696	1.6	4
139	The Ground State Electronic Energy of Benzene. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 8922-8929	6.4	52
138	Analytic Energy Gradients and Hessians of Exact Two-Component Relativistic Methods: Efficient Implementation and Extensive Applications. <i>Journal of Chemical Theory and Computation</i> , <b>2020</b> , 16, 1541-1554	6.4	10

137	Analytic energy gradients of spin-adapted open-shell time-dependent density functional theory. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 164109	3.9	9
136	Sublinear scaling quantum chemical methods for magnetic shieldings in large molecules. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 154113	3.9	1
135	Computer-Guided Discovery of a pH-Responsive Organic Photocatalyst and Application for pH and Light Dual-Gated Polymerization. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8207-8220	16.4	63
134	iVI-TD-DFT: An iterative vector interaction method for exterior/interior roots of TD-DFT. <i>Journal of Computational Chemistry</i> , <b>2019</b> , 40, 1023-1037	3.5	11
133	Relativistic time-dependent density functional theories. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4481-4509	58.5	37
132	Combining the spin-separated exact two-component relativistic Hamiltonian with the equation-of-motion coupled-cluster method for the treatment of spin-orbit splittings of light and heavy elements. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 3713-3721	3.6	26
131	A quantum chemical definition of electron-nucleus correlation. <i>Theoretical Chemistry Accounts</i> , <b>2017</b> , 136, 1	1.9	8
130	Electronic transitions of tantalum monofluoride. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 094308	3.9	2
129	Localization of open-shell molecular orbitals via least change from fragments to molecule. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 104104	3.9	12
128	Further development of SDSPT2 for strongly correlated electrons. <i>Molecular Physics</i> , <b>2017</b> , 115, 2696-2707	3.7	26
127	Performance of TD-DFT for Excited States of Open-Shell Transition Metal Compounds. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 3929-3942	2.8	20
126	Spin-Multiplet Components and Energy Splittings by Multistate Density Functional Theory. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 4838-4845	6.4	23
125	iVI: An iterative vector interaction method for large eigenvalue problems. <i>Journal of Computational Chemistry</i> , <b>2017</b> , 38, 2481-2499	3.5	16
124	With-Pair Relativistic Hamiltonians <b>2017</b> , 345-373		2
123	Relativistic Theory of Nuclear Spin-Rotation Tensor <b>2017</b> , 693-723		2
122	Relativistic Theories of NMR Shielding <b>2017</b> , 657-692		9
121	No-Pair Relativistic Hamiltonians:Q4C and X2C <b>2017</b> , 375-393		6
120	Spin Separation of Relativistic Hamiltonians <b>2017</b> , 411-447		3

119	Basic Structures of Relativistic Wave Functions <b>2017</b> , 481-496		3
118	Coalescence Conditions of Relativistic Wave Functions <b>2017</b> , 497-530		2
117	Relativistic Explicit Correlation: Problems and Solutions <b>2017</b> , 531-545		3
116	iCI: Iterative CI toward full CI. <i>Journal of Chemical Theory and Computation</i> , <b>2016</b> , 12, 1169-78	6.4	90
115	Big picture of relativistic molecular quantum mechanics. <i>National Science Review</i> , <b>2016</b> , 3, 204-221	10.8	41
114	Critical Assessment of TD-DFT for Excited States of Open-Shell Systems: I. Doublet-Doublet Transitions. <i>Journal of Chemical Theory and Computation</i> , <b>2016</b> , 12, 238-60	6.4	28
113	With-Pair Relativistic Hamiltonians <b>2016</b> , 1-29		
112	Exact two-component relativistic energy band theory and application. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 044105	3.9	14
111	Critical Assessment of Time-Dependent Density Functional Theory for Excited States of Open-Shell Systems: II. Doublet-Quartet Transitions. <i>Journal of Chemical Theory and Computation</i> , <b>2016</b> , 12, 2517-27	6.4	17
110	Effective quantum electrodynamics hamiltonians: A tutorial review. <i>International Journal of Quantum Chemistry</i> , <b>2015</b> , 115, 631-640	2.1	15
109	Role of Planar Conformations in Aggregation Induced Spectral Shifts of Supermolecular Oligofluorenes in Solutions and Films: A Combined Experimental and MD/TD-DFT Study. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 10316-33	3.4	14
108	Relativistic Explicit Correlation: Problems and Solutions <b>2015</b> , 1-13		
107	Solvent effects on the optical spectra and excited-state decay of triphenylamine-thiadiazole with hybridized local excitation and intramolecular charge transfer. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 5233-40	2.8	55
106	Decoupling electrons and nuclei without the Born-Oppenheimer approximation: The electron-nucleus mean-field configuration-interaction method. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	14
105	Relativistic Theories of NMR Shielding <b>2015</b> , 1-33		2
104	Basic Structures of Relativistic Wave Functions <b>2015</b> , 1-14		1
103	With-Pair Relativistic Hamiltonians <b>2015</b> , 1-29		
102	Coalescence Conditions of Relativistic Wave Functions <b>2015</b> , 1-31		

101	No-Pair Relativistic Hamiltonians: Q4C and X2C <b>2015</b> , 1-17		
100	Relativistic Theory of Nuclear Spin-Rotation Tensor <b>2015</b> , 1-31		
99	Spin Separation of Relativistic Hamiltonians <b>2015</b> , 1-33		
98	SDS: the Static-Dynamic-Static Framework for strongly correlated electrons. <i>Theoretical Chemistry Accounts</i> , <b>2014</b> , 133, 1	1.9	46
97	Advances in relativistic molecular quantum mechanics. <i>Physics Reports</i> , <b>2014</b> , 537, 59-89	27.7	99
96	Towards understanding the color change of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide during gamma irradiation: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 18729-35	3.6	19
95	Morphological effects of the nanostructured ceria support on the activity and stability of CuO/CeO <sub>2</sub> catalysts for the water-gas shift reaction. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 17183-95	3.6	120
94	Localization of molecular orbitals: from fragments to molecule. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 2758-67	24.3	28
93	Relativistic GVVPT2 multireference perturbation theory description of the electronic states of Y <sub>2</sub> and Tc <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 1489-501	2.8	23
92	New Experimental NMR Shielding Scales Mapped Relativistically from NSR: Theory and Application. <i>Journal of Chemical Theory and Computation</i> , <b>2014</b> , 10, 600-8	6.4	20
91	First-order nonadiabatic coupling matrix elements between excited states: a Lagrangian formulation at the CIS, RPA, TD-HF, and TD-DFT levels. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 014110	3.9	59
90	Photoexcitation of Light-Harvesting C-P-C60 Triads: A FLMO-TD-DFT Study. <i>Journal of Chemical Theory and Computation</i> , <b>2014</b> , 10, 2436-48	6.4	28
89	Unraveling the Dynamic Nature of a CuO/CeO <sub>2</sub> Catalyst for CO Oxidation in Operando: A Combined Study of XANES (Fluorescence) and DRIFTS. <i>ACS Catalysis</i> , <b>2014</b> , 4, 1650-1661	13.1	106
88	Perspective: Relativistic Hamiltonians. <i>International Journal of Quantum Chemistry</i> , <b>2014</b> , 114, 983-986	2.1	19
87	Relativistic theory of nuclear spin-rotation tensor with kinetically balanced rotational London orbitals. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 164110	3.9	8
86	On the spin separation of algebraic two-component relativistic Hamiltonians: molecular properties. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 054111	3.9	50
85	First order nonadiabatic coupling matrix elements between excited states: implementation and application at the TD-DFT and pp-TDA levels. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 244105	3.9	59
84	With-Pair Relativistic Hamiltonians <b>2014</b> , 1-26		

83	Theoretical study of the low-lying electronic excited states for molecular aggregates. <i>Science China Chemistry</i> , <b>2013</b> , 56, 1258-1262	7.9	15
82	Theoretical study of low-lying excited states of molecular aggregates. I. Development of linear-scaling TD-DFT. <i>Science China Chemistry</i> , <b>2013</b> , 56, 1263-1266	7.9	4
81	Combining spin-adapted open-shell TD-DFT with spin-orbit coupling. <i>Molecular Physics</i> , <b>2013</b> , 111, 3741-3755	7.5	69
80	Going beyond "no-pair relativistic quantum chemistry". <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 014108	3.9	52
79	Body-fixed relativistic molecular Hamiltonian and its application to nuclear spin-rotation tensor. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 134104	3.9	35
78	Body-fixed relativistic molecular Hamiltonian and its application to nuclear spin-rotation tensor: linear molecules. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 034113	3.9	21
77	Fully relativistic theories and methods for NMR parameters. <i>Theoretical Chemistry Accounts</i> , <b>2012</b> , 131, 1	1.9	41
76	Perspectives of relativistic quantum chemistry: the negative energy cat smiles. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 35-48	3.6	62
75	Theoretical and numerical assessments of spin-flip time-dependent density functional theory. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 024107	3.9	56
74	The 'big picture' of relativistic molecular quantum mechanics <b>2012</b> ,		9
73	On the spin separation of algebraic two-component relativistic Hamiltonians. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 154114	3.9	97
72	Relativistic explicit correlation: coalescence conditions and practical suggestions. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 144117	3.9	31
71	A spin-adapted size-extensive state-specific multi-reference perturbation theory with various partitioning schemes. II. Molecular applications. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 024106	3.9	31
70	A spin-adapted size-extensive state-specific multi-reference perturbation theory. I. Formal developments. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 024105	3.9	42
69	Exact two-component relativistic theory for NMR parameters: general formulation and pilot application. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 174105	3.9	47
68	Fully relativistic theories and methods for NMR parameters <b>2012</b> , 187-203		2
67	Linear-Scaling Time-Dependent Density Functional Theory Based on the Idea of "From Fragments to Molecule". <i>Journal of Chemical Theory and Computation</i> , <b>2011</b> , 7, 3643-60	6.4	58
66	Spin-adapted open-shell time-dependent density functional theory. II. Theory and pilot application. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 134101	3.9	60

65	Spin-adapted open-shell time-dependent density functional theory. III. An even better and simpler formulation. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 194106	3.9	49
64	Comparison of restricted, unrestricted, inverse, and dual kinetic balances for four-component relativistic calculations. <i>Theoretical Chemistry Accounts</i> , <b>2011</b> , 129, 423-436	1.9	55
63	On the performance of the open-shell perturbation theory. <i>Science China Chemistry</i> , <b>2011</b> , 54, 446-453	7.9	6
62	Tuning mesomorphic properties and handedness of chiral calamitic liquid crystals by minimal modification of the effective core. <i>Chirality</i> , <b>2011</b> , 23 Suppl 1, E74-83	2.1	4
61	SOLVATION ENERGY OF NONEQUILIBRIUM POLARIZATION: OLD QUESTION, NEW ANSWER. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2010</b> , 09, 23-37	1.8	17
60	Ideas of relativistic quantum chemistry. <i>Molecular Physics</i> , <b>2010</b> , 108, 1679-1706	1.7	242
59	He@Mo(6)Cl(8)F(6): a stable complex of helium. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 646-51	2.8	17
58	Spin-adapted open-shell random phase approximation and time-dependent density functional theory. I. Theory. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 064106	3.9	60
57	Excited states of OsO4: a comprehensive time-dependent relativistic density functional theory study. <i>Journal of Computational Chemistry</i> , <b>2010</b> , 31, 532-51	3.5	18
56	Four-component relativistic theory for nuclear magnetic shielding: magnetically balanced gauge-including atomic orbitals. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 244113	3.9	64
55	Publisher's Note: "Four-component relativistic theory for NMR parameters: unified formulation and numerical assessment of different approaches" [J. Chem. Phys. 130, 144102 (2009)]. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 019902	3.9	5
54	Comprehensive ab initio calculation and simulation on the low-lying electronic states of TLX (X = F, Cl, Br, I, and At). <i>Journal of Computational Chemistry</i> , <b>2009</b> , 30, 524-39	3.5	16
53	Time-dependent relativistic density functional study of Yb and YbO. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 1945-1953		23
52	On the construction of Kramers paired double group symmetry functions. <i>International Journal of Quantum Chemistry</i> , <b>2009</b> , 109, 2149-2167	2.1	29
51	Excited states of ReO4-: A comprehensive time-dependent relativistic density functional theory study. <i>Chemical Physics</i> , <b>2009</b> , 356, 219-228	2.3	24
50	Four-component relativistic theory for NMR parameters: unified formulation and numerical assessment of different approaches. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 144102	3.9	55
49	Exact two-component Hamiltonians revisited. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 031104	3.9	221
48	Exact two-component relativistic theory for nuclear magnetic resonance parameters. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 081101	3.9	49

47	Relativistic theory of nuclear magnetic resonance parameters in a Gaussian basis representation. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 044129	3.9	30
46	Matrix formulation of direct perturbation theory of relativistic effects in a kinetically balanced basis. <i>Chemical Physics</i> , <b>2008</b> , 349, 133-146	2.3	5
45	Towards near-infrared chiroptically switching materials: theoretical and experimental studies on viologen-containing 1,1'-binaphthyls. <i>ChemPhysChem</i> , <b>2008</b> , 9, 1265-9	3.2	12
44	Four-component relativistic theory for nuclear magnetic shielding constants: the orbital decomposition approach. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 081101	3.9	54
43	Four-component relativistic theory for nuclear magnetic shielding constants: critical assessments of different approaches. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 214101	3.9	70
42	Theoretical study on the low-lying electronic states of NiH and NiAt. <i>Journal of Computational Chemistry</i> , <b>2007</b> , 28, 2286-98	3.5	13
41	Ab initio investigation on electron transfer in molecular electronic devices: A minimal model study. <i>Chemical Physics Letters</i> , <b>2007</b> , 439, 85-90	2.5	3
40	Making four- and two-component relativistic density functional methods fully equivalent based on the idea of "from atoms to molecule". <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 104106	3.9	175
39	Quasirelativistic theory. II. Theory at matrix level. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 114107	3.9	126
38	Response to Comment on Quasirelativistic theory equivalent to fully relativistic theory [J. Chem. Phys. 123, 241102 (2005)]. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 107102	3.9	20
37	Infinite-order quasirelativistic density functional method based on the exact matrix quasirelativistic theory. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 44102	3.9	186
36	Quasirelativistic theory I. Theory in terms of a quasi-relativistic operator. <i>Molecular Physics</i> , <b>2006</b> , 104, 2225-2240	1.7	96
35	Comprehensive theoretical studies on the low-lying electronic states of NiF, NiCl, NiBr, and NiI. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 154312	3.9	30
34	NO <sub>2</sub> -catalyzed deep oxidation of methanol: Experimental and theoretical studies. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 252, 202-211		16
33	Quasirelativistic theory <b>2006</b> , 909-910		1
32	A novel infinite-order quasirelativistic density functional theory <b>2006</b> , 919-922		
31	Time-dependent quasirelativistic density-functional theory based on the zeroth-order regular approximation. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 144101	3.9	58
30	Time-dependent four-component relativistic density-functional theory for excitation energies. II. The exchange-correlation kernel. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 054102	3.9	80

29	Quasirelativistic theory equivalent to fully relativistic theory. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 2411-102	3.0	316
28	Benchmark four-component relativistic density functional calculations on Cu <sub>2</sub> , Ag <sub>2</sub> , and Au <sub>2</sub> . <i>Chemical Physics</i> , <b>2005</b> , 311, 63-69	2.3	21
27	Electronic coupling matrix elements of U-shaped donor-bridge-acceptor molecules and influence of mediated benzene solvent. <i>Chemical Physics Letters</i> , <b>2005</b> , 414, 71-75	2.5	3
26	Extensive theoretical studies on the low-lying electronic states of indium monochloride cation, InCl <sup>+</sup> . <i>Journal of Computational Chemistry</i> , <b>2005</b> , 26, 106-13	3.5	29
25	RELATIVISTIC DENSITY FUNCTIONAL THEORY: THE BDF PROGRAM PACKAGE. <i>Recent Advances in Computational</i> , <b>2004</b> , 257-282		39
24	Time-dependent four-component relativistic density functional theory for excitation energies. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 6658-66	3.9	85
23	Comparison of Different Polarization Schemes in Open-shell Relativistic Density Functional Calculations. <i>Journal of the Chinese Chemical Society</i> , <b>2003</b> , 50, 597-606	1.5	66
22	The Beijing Density Functional (BDF) Program Package: Methodologies and Applications. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2003</b> , 02, 257-272	1.8	114
21	Comprehensive relativistic ab initio and density functional theory studies on PtH, PtF, PtCl, and Pt(NH(3))(2)Cl(2). <i>Journal of Computational Chemistry</i> , <b>2002</b> , 23, 564-75	3.5	25
20	On Relativity, Bonding, and Valence Electron Distribution. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 795-803	2.8	9
19	Spectroscopic constants of MH and M <sub>2</sub> (M=Tl, E113, Bi, E115): Direct comparisons of four- and two-component approaches in the framework of relativistic density functional theory. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 3626-3634	3.9	55
18	Molecular structure of diatomic lanthanide compounds. <i>Science in China Series B: Chemistry</i> , <b>2002</b> , 45, 91		34
17	Spectroscopic constants of Pb and Eka-lead compounds: comparison of different approaches. <i>Advances in Quantum Chemistry</i> , <b>2001</b> , 325-355	1.4	57
16	Performance of relativistic density functional and ab initio pseudopotential approaches for systems with high-spin multiplicities: Gadolinium diatomics GdX (X=H, N, O, F, P, S, Cl, Gd). <i>International Journal of Quantum Chemistry</i> , <b>2000</b> , 76, 359-370	2.1	70
15	A small-core multiconfiguration Dirac-Hartree-Fock-adjusted pseudopotential for Tl [application to TLX (X = F, Cl, Br, I)]. <i>Theoretical Chemistry Accounts</i> , <b>2000</b> , 104, 22-28	1.9	122
14	Comment on Four-component relativistic density functional calculations of heavy diatomic molecules[J. Chem. Phys. 112, 3499 (2000)]. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 2506-2507	3.9	25
13	Relativistic MCSCF by means of quasidegenerate direct perturbation theory. I. Theory. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 3540-3558	3.9	31
12	Relativistic MCSCF by means of quasidegenerate direct perturbation theory. II. Preliminary applications. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 3559-3571	3.9	16

11	Relativistic ab initio and density functional theory calculations on the mercury fluorides: Is HgF <sub>4</sub> thermodynamically stable?. <i>Chemical Physics Letters</i> , <b>1999</b> , 302, 231-239	2.5	36
10	Spectroscopic constants of gold and eka-gold (element 111) diatomic compounds: The importance of spin-orbit coupling. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 3730-3735	3.9	92
9	Calculated Properties of Lanthanocene Anions and the Unusual Electronic Structure of Their Neutral Counterparts. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 1067-1072	5.1	42
8	Orbital localization and delocalization effects in the U 5f <sup>2</sup> configuration: Impurity problem. <i>Physical Review B</i> , <b>1998</b> , 57, 10648-10654	3.3	10
7	Benchmark calculations for lanthanide atoms: Calibration of ab initio and density-functional methods. <i>Physical Review A</i> , <b>1998</b> , 57, 1721-1728	2.6	53
6	Fully relativistic density functional calculations of the ground and excited states of Yb, YbH, YbF, and YbO. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 2886-2895	3.9	65
5	Ab initio pseudopotential and density-functional all-electron study of ionization and excitation energies of actinide atoms. <i>Physical Review A</i> , <b>1998</b> , 58, 1103-1110	2.6	68
4	Low-lying electronic states of lanthanocenes and actinocenes M(C <sub>8</sub> H <sub>8</sub> ) <sub>2</sub> (M=Nd, Tb, Yb, U). <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 3584-3591	3.9	62
3	A method for population and bonding analyses in calculations with extended basis sets. <i>Theoretica Chimica Acta</i> , <b>1997</b> , 95, 81-95		17
2	The Beijing four-component density functional program package (BDF) and its application to EuO, EuS, YbO and YbS. <i>Theoretical Chemistry Accounts</i> , <b>1997</b> , 96, 75-83	1.9	201
1	Recent Advances in Relativistic Density Functional Methods		12