

# Wenjian Liu

## List of Publications by Citations

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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	Quasirelativistic theory equivalent to fully relativistic theory. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 2411-102	3.9	316
153	Ideas of relativistic quantum chemistry. <i>Molecular Physics</i> , <b>2010</b> , 108, 1679-1706	1.7	242
152	Exact two-component Hamiltonians revisited. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 031104	3.9	221
151	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
150	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
149	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
148	Quasirelativistic theory. II. Theory at matrix level. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 114107	3.9	126
147	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
146	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
145	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
144	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
143	Advances in relativistic molecular quantum mechanics. <i>Physics Reports</i> , <b>2014</b> , 537, 59-89	27.7	99
142	On the spin separation of algebraic two-component relativistic Hamiltonians. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 154114	3.9	97
141	Quasirelativistic theory I. Theory in terms of a quasi-relativistic operator. <i>Molecular Physics</i> , <b>2006</b> , 104, 2225-2240	1.7	96
140	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
139	iCI: Iterative CI toward full CI. <i>Journal of Chemical Theory and Computation</i> , <b>2016</b> , 12, 1169-78	6.4	90
138	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

137	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
136	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
135	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
134	Combining spin-adapted open-shell TD-DFT with spin-orbit coupling. <i>Molecular Physics</i> , <b>2013</b> , 111, 3741-3755	3.7	69
133	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
132	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
131	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
130	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
129	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
128	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
127	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
126	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
125	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
124	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
123	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
122	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
121	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
120	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

119	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
118	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
117	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
116	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
115	Spectroscopic constants of MH and M2 (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
114	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
113	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
112	Going beyond "no-pair relativistic quantum chemistry". <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 014108	3.9	52
111	The Ground State Electronic Energy of Benzene. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 8922-8924	3.9	52
110	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
109	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
108	Exact two-component relativistic theory for nuclear magnetic resonance parameters. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 081101	3.9	49
107	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
106	SDS: the static-dynamic-static framework for strongly correlated electrons. <i>Theoretical Chemistry Accounts</i> , <b>2014</b> , 133, 1	1.9	46
105	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
104	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
103	Big picture of relativistic molecular quantum mechanics. <i>National Science Review</i> , <b>2016</b> , 3, 204-221	10.8	41
102	Fully relativistic theories and methods for NMR parameters. <i>Theoretical Chemistry Accounts</i> , <b>2012</b> , 131, 1	1.9	41

101	RELATIVISTIC DENSITY FUNCTIONAL THEORY: THE BDF PROGRAM PACKAGE. <i>Recent Advances in Computational</i> , <b>2004</b> , 257-282		39
100	Relativistic time-dependent density functional theories. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4481-4509	58.5	37
99	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
98	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
97	Iterative Configuration Interaction with Selection. <i>Journal of Chemical Theory and Computation</i> , <b>2020</b> , 16, 2296-2316	6.4	34
96	Molecular structure of diatomic lanthanide compounds. <i>Science in China Series B: Chemistry</i> , <b>2002</b> , 45, 91		34
95	Relativistic explicit correlation: coalescence conditions and practical suggestions. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 144117	3.9	31
94	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
93	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
92	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
91	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
90	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
89	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
88	BDF: A relativistic electronic structure program package. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 064113	3.9	28
87	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
86	Localization of molecular orbitals: from fragments to molecule. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 2758-67	24.3	28
85	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
84	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

83	Further development of SDSPT2 for strongly correlated electrons. <i>Molecular Physics</i> , <b>2017</b> , 115, 2696-2707	26
82	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
81	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
80	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
79	Relativistic GVVPT2 multireference perturbation theory description of the electronic states of Y2 and Tc2. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 1489-501	2.8 23
78	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
77	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
76	Essentials of relativistic quantum chemistry. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 180901	3.9 22
75	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
74	Benchmark four-component relativistic density functional calculations on Cu2, Ag2, and Au2. <i>Chemical Physics</i> , <b>2005</b> , 311, 63-69	2.3 21
73	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
72	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
71	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
70	Unravelling an oxygen-mediated reductive quenching pathway for photopolymerisation under long wavelengths. <i>Nature Communications</i> , <b>2021</b> , 12, 478	17.4 20
69	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
68	Perspective: Relativistic Hamiltonians. <i>International Journal of Quantum Chemistry</i> , <b>2014</b> , 114, 983-986	2.1 19
67	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
66	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

65	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
64	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
63	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
62	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
61	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
60	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
59	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
58	Effective quantum electrodynamics hamiltonians: A tutorial review. <i>International Journal of Quantum Chemistry</i> , <b>2015</b> , 115, 631-640	2.1	15
57	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
56	Role of Planar Conformations in Aggregation Induced Spectral Shifts of Supramolecular 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
55	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
54	Rational Design of Photocatalysts for Controlled Polymerization: Effect of Structures on Photocatalytic Activities.. <i>Chemical Reviews</i> , <b>2022</b> ,	68.1	14
53	Exact two-component relativistic energy band theory and application. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 044105	3.9	14
52	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
51	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
50	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
49	Recent Advances in Relativistic Density Functional Methods		12
48	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

- 47 Orbital localization and delocalization effects in the U 5f<sup>2</sup> configuration: Impurity problem. *Physical Review B*, **1998**, 57, 10648-10654 3.3 10
- 46 Analytic Energy Gradients and Hessians of Exact Two-Component Relativistic Methods: Efficient Implementation and Extensive Applications. *Journal of Chemical Theory and Computation*, **2020**, 16, 1541-1554 6.4 10
- 45 Relativistic Theories of NMR Shielding **2017**, 657-692 9
- 44 The 'big picture' of relativistic molecular quantum mechanics **2012**, 9
- 43 On Relativity, Bonding, and Valence Electron Distribution. *Journal of Physical Chemistry A*, **2002**, 106, 795-803 2.8 9
- 42 Analytic energy gradients of spin-adapted open-shell time-dependent density functional theory. *Journal of Chemical Physics*, **2020**, 153, 164109 3.9 9
- 41 A quantum chemical definition of electron-nucleus correlation. *Theoretical Chemistry Accounts*, **2017**, 136, 1 1.9 8
- 40 Relativistic theory of nuclear spin-rotation tensor with kinetically balanced rotational London orbitals. *Journal of Chemical Physics*, **2014**, 141, 164110 3.9 8
- 39 iCAS: Imposed Automatic Selection and Localization of Complete Active Spaces. *Journal of Chemical Theory and Computation*, **2021**, 17, 4846-4859 6.4 7
- 38 Further Development of iCIPT2 for Strongly Correlated Electrons. *Journal of Chemical Theory and Computation*, **2021**, 17, 949-964 6.4 7
- 37 No-Pair Relativistic Hamiltonians: Q4C and X2C **2017**, 375-393 6
- 36 On the performance of the open-shell perturbation theory. *Science China Chemistry*, **2011**, 54, 446-453 7.9 6
- 35 Publisher's Note: "Four-component relativistic theory for NMR parameters: unified formulation and numerical assessment of different approaches" [J. Chem. Phys. 130, 144102 (2009)]. *Journal of Chemical Physics*, **2009**, 131, 019902 3.9 5
- 34 Matrix formulation of direct perturbation theory of relativistic effects in a kinetically balanced basis. *Chemical Physics*, **2008**, 349, 133-146 2.3 5
- 33 iCISCF: An Iterative Configuration Interaction-Based Multiconfigurational Self-Consistent Field Theory for Large Active Spaces. *Journal of Chemical Theory and Computation*, **2021**, 6.4 5
- 32 Dynamic-then-Static Approach for Core Excitations of Open-Shell Molecules. *Journal of Physical Chemistry Letters*, **2021**, 12, 7409-7417 6.4 5
- 31 Theoretical study of low-lying excited states of molecular aggregates. I. Development of linear-scaling TD-DFT. *Science China Chemistry*, **2013**, 56, 1263-1266 7.9 4
- 30 Tuning mesomorphic properties and handedness of chiral calamitic liquid crystals by minimal modification of the effective core. *Chirality*, **2011**, 23 Suppl 1, E74-83 2.1 4



29	Relativistic quantum chemistry: today and tomorrow. <i>Scientia Sinica Chimica</i> , <b>2020</b> , 50, 1672-1696	1.6	4
28	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
27	Spin Separation of Relativistic Hamiltonians <b>2017</b> , 411-447		3
26	Basic Structures of Relativistic Wave Functions <b>2017</b> , 481-496		3
25	Relativistic Explicit Correlation: Problems and Solutions <b>2017</b> , 531-545		3
24	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
23	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
22	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
21	Electronic transitions of tantalum monofluoride. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 094308	3.9	2
20	With-Pair Relativistic Hamiltonians <b>2017</b> , 345-373		2
19	Relativistic Theory of Nuclear Spin-Rotation Tensor <b>2017</b> , 693-723		2
18	Coalescence Conditions of Relativistic Wave Functions <b>2017</b> , 497-530		2
17	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
16	Fully relativistic theories and methods for NMR parameters <b>2012</b> , 187-203		2
15	Relativistic Theories of NMR Shielding <b>2015</b> , 1-33		2
14	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
13	Quasirelativistic theory <b>2006</b> , 909-910		1
12	Basic Structures of Relativistic Wave Functions <b>2015</b> , 1-14		1

- 11 Tuning Catalyst-Free Photocontrolled Polymerization by Substitution: A Quantitative and Qualitative Interpretation.. *Journal of Physical Chemistry Letters*, **2022**, 3290-3296 6.4 ○
- 10 Relativistic Explicit Correlation: Problems and Solutions **2015**, 1-13
- 9 A novel infinite-order quasirelativistic density functional theory **2006**, 919-922
- 8 With-Pair Relativistic Hamiltonians **2015**, 1-29
- 7 Coalescence Conditions of Relativistic Wave Functions **2015**, 1-31
- 6 No-Pair Relativistic Hamiltonians: Q4C and X2C **2015**, 1-17
- 5 Relativistic Theory of Nuclear Spin-Rotation Tensor **2015**, 1-31
- 4 Spin Separation of Relativistic Hamiltonians **2015**, 1-33
- 3 With-Pair Relativistic Hamiltonians **2016**, 1-29
- 2 With-Pair Relativistic Hamiltonians **2014**, 1-26
- 1 The StaticDynamicStatic Family of Methods for Strongly Correlated Electrons: Methodology and Benchmarking. *Topics in Current Chemistry Collections*, **2022**, 181-236 1.8