

# Wibe A De Jong

## List of Publications by Year in descending order

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138  
papers

11,044  
citations

66315

42  
h-index

37183

96  
g-index

147  
all docs

147  
docs citations

147  
times ranked

13617  
citing authors

#	ARTICLE	IF	CITATIONS
1	NWChem: A comprehensive and scalable open-source solution for large scale molecular simulations. <i>Computer Physics Communications</i> , 2010, 181, 1477-1489.	3.0	4,740
2	Parallel Douglas-Kroll energy and gradients in NWChem: Estimating scalar relativistic effects using Douglas-Kroll contracted basis sets. <i>Journal of Chemical Physics</i> , 2001, 114, 48.	1.2	847
3	NWChem: Past, present, and future. <i>Journal of Chemical Physics</i> , 2020, 152, 184102.	1.2	425
4	Hybrid quantum-classical hierarchy for mitigation of decoherence and determination of excited states. <i>Physical Review A</i> , 2017, 95, .	1.0	335
5	Computation of Molecular Spectra on a Quantum Processor with an Error-Resilient Algorithm. <i>Physical Review X</i> , 2018, 8, .	2.8	281
6	Performance of coupled cluster theory in thermochemical calculations of small halogenated compounds. <i>Journal of Chemical Physics</i> , 2003, 118, 3510-3522.	1.2	195
7	Pushing configuration-interaction to the limit: Towards massively parallel MCSCF calculations. <i>Journal of Chemical Physics</i> , 2017, 147, 184111.	1.2	120
8	Relativistic and correlated calculations on the ground, excited, and ionized states of iodine. <i>Journal of Chemical Physics</i> , 1997, 107, 9046-9058.	1.2	111
9	Structures and binding enthalpies of $M+(H_2O)_n$ clusters, $M=Cu, Ag, Au$ . <i>Journal of Chemical Physics</i> , 1999, 110, 1475-1491.	1.2	110
10	Optical Rotation Calculated with Time-Dependent Density Functional Theory: The OR45 Benchmark. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10930-10949.	1.1	110
11	Complexation of the Carbonate, Nitrate, and Acetate Anions with the Uranyl Dication: A Density Functional Studies with Relativistic Effective Core Potentials. <i>Journal of Physical Chemistry A</i> , 2005, 109, 11568-11577.	1.1	100
12	Vibrational Spectroscopy of Mass-Selected $[UO_2(\text{ligand})_n]^{2+}$ Complexes in the Gas Phase: A Comparison with Theory. <i>Journal of the American Chemical Society</i> , 2006, 128, 4802-4813.	6.6	98
13	Indirect Dynamics in a Highly Exoergic Substitution Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 4250-4259.	6.6	94
14	Thermodynamic Properties of the C5, C6, and C8 n-Alkanes from ab Initio Electronic Structure Theory. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6934-6938.	1.1	93
15	The VENUS/NWChem software package. Tight coupling between chemical dynamics simulations and electronic structure theory. <i>Computer Physics Communications</i> , 2014, 185, 1074-1080.	3.0	93
16	High-level ab initio calculations for the four low-lying families of minima of $(H_2O)_{20}$ . II. Spectroscopic signatures of the dodecahedron, fused cubes, face-sharing pentagonal prisms, and edge-sharing pentagonal prisms hydrogen bonding networks. <i>Journal of Chemical Physics</i> , 2005, 122, 134304.	1.2	84
17	Utilizing high performance computing for chemistry: parallel computational chemistry. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6896.	1.3	84
18	Zero-noise extrapolation for quantum-gate error mitigation with identity insertions. <i>Physical Review A</i> , 2020, 102, .	1.0	81

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19	Equatorial and apical solvent shells of the UO <sub>2</sub> <sup>2+</sup> ion. <i>Journal of Chemical Physics</i> , 2008, 128, 124507.	1.2	79
20	Third-order Douglas-Kroll relativistic coupled-cluster theory through connected single, double, triple, and quadruple substitutions: Applications to diatomic and triatomic hydrides. <i>Journal of Chemical Physics</i> , 2004, 120, 3297-3310.	1.2	77
21	Atomic Many-Body Effects for the p-Shell Photoelectron Spectra of Transition Metals. <i>Physical Review Letters</i> , 2000, 84, 2259-2262.	2.9	76
22	On the bonding and the electric field gradient of the uranyl ion. <i>Computational and Theoretical Chemistry</i> , 1998, 458, 41-52.	1.5	75
23	Heats of Formation of Xenon Fluorides and the Fluxionality of XeF <sub>6</sub> from High Level Electronic Structure Calculations. <i>Journal of the American Chemical Society</i> , 2005, 127, 8627-8634.	6.6	75
24	Chelation and stabilization of berkelium in oxidation state +IV. <i>Nature Chemistry</i> , 2017, 9, 843-849.	6.6	74
25	Fully relativistic correlated benchmark results for uranyl and a critical look at relativistic effective core potentials for uranium. <i>Theoretical Chemistry Accounts</i> , 2001, 107, 22-26.	0.5	70
26	Relativistic and correlation effects on molecular properties: The interhalogens ClF, BrF, BrCl, IF, ICl, and IBr. <i>Journal of Chemical Physics</i> , 1998, 108, 5177-5184.	1.2	67
27	Quantum Algorithm for High Energy Physics Simulations. <i>Physical Review Letters</i> , 2021, 126, 062001.	2.9	67
28	Gaussian Basis Set and Planewave Relativistic Spin-Orbit Methods in NWChem. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 491-499.	2.3	66
29	Variable denticity in carboxylate binding to the uranyl coordination complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 719-727.	1.2	65
30	Unfolding quantum computer readout noise. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	65
31	Structure and Hydrolysis of the U(IV), U(V), and U(VI) Aqua Ions from Ab Initio Molecular Simulations. <i>Inorganic Chemistry</i> , 2012, 51, 3016-3024.	1.9	58
32	Mitigating Depolarizing Noise on Quantum Computers with Noise-Estimation Circuits. <i>Physical Review Letters</i> , 2021, 127, 270502.	2.9	56
33	Vibrational spectroscopy of anionic nitrate complexes of UO <sub>2</sub> <sup>2+</sup> and Eu <sup>3+</sup> isolated in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1192-1202.	1.3	54
34	Infrared Spectroscopy of Discrete Uranyl Anion Complexes. <i>Journal of Physical Chemistry A</i> , 2008, 112, 508-521.	1.1	53
35	Heats of Formation of CBr, CHBr, and CBr <sub>2</sub> from Ab Initio Quantum Chemistry. <i>Journal of Physical Chemistry A</i> , 2002, 106, 4725-4728.	1.1	52
36	Hydration Shell Structure and Dynamics of Curium(III) in Aqueous Solution: First Principles and Empirical Studies. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4665-4677.	1.1	52

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37	Resource-Efficient Chemistry on Quantum Computers with the Variational Quantum Eigensolver and the Double Unitary Coupled-Cluster Approach. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 6165-6175.	2.3	50
38	Relativity and the chemistry of UF <sub>6</sub> : A molecular Dirac-Hartree-Fock-Cl study. <i>International Journal of Quantum Chemistry</i> , 1996, 58, 203-216.	1.0	48
39	Cerium Oxyhydroxide Clusters: Formation, Structure, and Reactivity. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6239-6252.	1.1	47
40	Prediction of Vibrational Frequencies of UO <sub>2</sub> <sup>2+</sup> at the CCSD(T) Level. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4095-4099.	1.1	45
41	Two-Electron Three-Centered Bond in Side-On (η <sup>2</sup> ) Uranyl(V) Superoxo Complexes. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5777-5780.	1.1	44
42	Liquid water. , 2009, , .		44
43	Coupled cluster calculations for static and dynamic polarizabilities of C <sub>60</sub> . <i>Journal of Chemical Physics</i> , 2008, 129, 226101.	1.2	43
44	Modeling carbon nanostructures with the self-consistent charge density-functional tight-binding method: Vibrational spectra and electronic structure of C <sub>28</sub> , C <sub>60</sub> , and C <sub>70</sub> . <i>Journal of Chemical Physics</i> , 2006, 125, 214706.	1.2	40
45	From NWChem to NWChemEx: Evolving with the Computational Chemistry Landscape. <i>Chemical Reviews</i> , 2021, 121, 4962-4998.	23.0	39
46	Classical Optimizers for Noisy Intermediate-Scale Quantum Devices. , 2020, , .		39
47	Reliable modeling of the electronic spectra of realistic uranium complexes. <i>Journal of Chemical Physics</i> , 2013, 139, 034301.	1.2	37
48	Infrared Spectroscopy of Dioxouranium(V) Complexes with Solvent Molecules: Effect of Reduction. <i>ChemPhysChem</i> , 2008, 9, 1278-1285.	1.0	36
49	Addition of H <sub>2</sub> O and O <sub>2</sub> to Acetone and Dimethylsulfoxide Ligated Uranyl(V) Dioxocations. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2350-2358.	1.1	36
50	Coordination and Hydrolysis of Plutonium Ions in Aqueous Solution Using Caracarrinello Molecular Dynamics Free Energy Simulations. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12256-12267.	1.1	35
51	Activation of CH <sub>4</sub> by Th <sup>+</sup> as Studied by Guided Ion Beam Mass Spectrometry and Quantum Chemistry. <i>Inorganic Chemistry</i> , 2015, 54, 3584-3599.	1.9	34
52	Parallelization of four-component calculations. I. Integral generation, SCF, and four-index transformation in the Dirac-Fock package MOLFDIR. <i>Journal of Computational Chemistry</i> , 2000, 21, 1176-1186.	1.5	32
53	Simulating quantum materials with digital quantum computers. <i>Quantum Science and Technology</i> , 2021, 6, 043002.	2.6	32
54	Methyl Cation Affinities of Rare Gases and Nitrogen and the Heat of Formation of Diazomethane. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4073-4080.	1.1	31

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55	Stochastic Formulation of the Resolution of Identity: Application to Second Order Møller-Plesset Perturbation Theory. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 4605-4610.	2.3	30
56	A QM/MM Approach to Interpreting <sup>67</sup> Zn Solid-State NMR Data in Zinc Proteins. <i>Journal of the American Chemical Society</i> , 2008, 130, 6224-6230.	6.6	29
57	Coupled-cluster dynamic polarizabilities including triple excitations. <i>Journal of Chemical Physics</i> , 2008, 128, 224102.	1.2	29
58	Low Temperature <sup>65</sup> Cu NMR Spectroscopy of the Cu <sup>+</sup> Site in Azurin. <i>Journal of the American Chemical Society</i> , 2009, 131, 13992-13999.	6.6	29
59	Quantum Chemical Calculations of the Cl <sup>•</sup> + CH <sub>3</sub> I → CH <sub>3</sub> Cl + I <sup>•</sup> Potential Energy Surface. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1976-1984.	1.1	29
60	Reactions of Th <sup>+</sup> + H <sub>2</sub> , D <sub>2</sub> , and HD Studied by Guided Ion Beam Tandem Mass Spectrometry and Quantum Chemical Calculations. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1601-1614.	1.2	29
61	Importance of Counteranions on the Hydration Structure of the Curium Ion. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2166-2170.	2.1	28
62	Gas Phase Uranyl Activation: Formation of a Uranium Nitrosyl Complex from Uranyl Azide. <i>Journal of the American Chemical Society</i> , 2015, 137, 5911-5915.	6.6	28
63	NWChem: scalable parallel computational chemistry. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2011, 1, 888-894.	6.2	27
64	Mid-infrared vibrational spectra of discrete acetone-ligated cerium hydroxide cations. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 596-606.	1.3	26
65	Vibrational spectra of discrete UO <sub>2</sub> <sup>+</sup> halide complexes in the gas phase. <i>International Journal of Mass Spectrometry</i> , 2010, 297, 67-75.	0.7	26
66	Prediction of atomization energy using graph kernel and active learning. <i>Journal of Chemical Physics</i> , 2019, 150, 044107.	1.2	26
67	Intra-atomic many-body effects in shell photoelectron spectra of Cr <sup>3+</sup> ions. <i>Physical Review B</i> , 2003, 68, .	1.1	25
68	Real-Time Evolution for Ultracompact Hamiltonian Eigenstates on Quantum Hardware. <i>PRX Quantum</i> , 2022, 3, .	3.5	24
69	Cleaving Off Uranyl Oxygens through Chelation: A Mechanistic Study in the Gas Phase. <i>Inorganic Chemistry</i> , 2017, 56, 12930-12937.	1.9	23
70	A Model DMMP/TiO <sub>2</sub> (110) Intermolecular Potential Energy Function Developed from ab Initio Calculations. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12403-12413.	1.5	22
71	Direct dynamics simulation of dioxetane formation and decomposition via the singlet $\hat{A}$ -O $\hat{A}$ -CH <sub>2</sub> $\hat{A}$ -biradical: Non-RRKM dynamics. <i>Journal of Chemical Physics</i> , 2012, 137, 044305.	1.2	22
72	Quantum simulation of open quantum systems in heavy-ion collisions. <i>Physical Review D</i> , 2021, 104, .	1.6	22

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73	Probing the oxygen environment in UO <sub>2</sub> by solid-state O17 nuclear magnetic resonance spectroscopy and relativistic density functional calculations. <i>Journal of Chemical Physics</i> , 2010, 132, 084501.	1.2	21
74	Chemistry on Quantum Computers with Virtual Quantum Subspace Expansion. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 5425-5431.	2.3	20
75	Theoretical characterization of the low-lying excited states of the CuCl molecule. <i>Journal of Chemical Physics</i> , 1997, 106, 7162-7169.	1.2	19
76	Temperature and Isotope Substitution Effects on the Structure and NMR Properties of the Pertechnetate Ion in Water. <i>Journal of the American Chemical Society</i> , 2004, 126, 11583-11588.	6.6	19
77	Error detection on quantum computers improving the accuracy of chemical calculations. <i>Physical Review A</i> , 2020, 102, .	1.0	19
78	Theoretical study of the crystal field excitations in CoO. <i>Chemical Physics</i> , 1998, 237, 59-65.	0.9	18
79	The gas-phase bis-uranyl nitrate complex [(UO <sub>2</sub> ) <sub>2</sub> (NO <sub>3</sub> ) <sub>5</sub> ] <sup>2+</sup> : Infrared spectrum and structure. <i>International Journal of Mass Spectrometry</i> , 2011, 308, 175-180.	0.7	18
80	Comparison of Cluster, Slab, and Analytic Potential Models for the Dimethyl Methylphosphonate (DMMP)/TiO <sub>2</sub> (110) Intermolecular Interaction. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17613-17622.	1.5	18
81	Engineered thermalization and cooling of quantum many-body systems. <i>Physical Review Research</i> , 2020, 2, .	1.3	18
82	Computationally efficient zero-noise extrapolation for quantum-gate-error mitigation. <i>Physical Review A</i> , 2022, 105, .	1.0	17
83	Fully relativistic calculations on the potential energy surfaces of the lowest 23 states of molecular chlorine. <i>Journal of Chemical Physics</i> , 2008, 128, 041101.	1.2	16
84	Roles of Acetone and Diacetone Alcohol in Coordination and Dissociation Reactions of Uranyl Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 12768-12775.	1.9	16
85	From data to analysis: linking NWChem and Avogadro with the syntax and semantics of Chemical Markup Language. <i>Journal of Cheminformatics</i> , 2013, 5, 25.	2.8	16
86	Open chemistry: RESTful web APIs, JSON, NWChem and the modern web application. <i>Journal of Cheminformatics</i> , 2017, 9, 55.	2.8	16
87	Developing a Computational Chemistry Framework for the Exascale Era. <i>Computing in Science and Engineering</i> , 2019, 21, 48-58.	1.2	16
88	A Case for Soft Error Detection and Correction in Computational Chemistry. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 3995-4005.	2.3	15
89	Constant-depth circuits for dynamic simulations of materials on quantum computers. <i>Materials Theory</i> , 2022, 6, .	2.2	15
90	Strengthening of the Coordination Shell by Counter Ions in Aqueous Th <sup>4+</sup> Solutions. <i>Journal of Physical Chemistry A</i> , 2016, 120, 10216-10222.	1.1	14

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91	Revealing Disparate Chemistries of Protactinium and Uranium. Synthesis of the Molecular Uranium Tetroxide Anion, $\text{UO}_4^{\ominus}$ . <i>Inorganic Chemistry</i> , 2017, 56, 3686-3694.	1.9	14
92	Charge transfer and relativistic effects in the low-lying electronic states of CuCl, CuBr and CuI. <i>Molecular Physics</i> , 1997, 92, 677-686.	0.8	13
93	Density Functional Studies on the Complexation and Spectroscopy of Uranyl Ligated with Acetonitrile and Acetone Derivatives. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12525-12531.	1.1	13
94	Comprehensive Solid-State NMR Characterization of Electronic Structure in Ditechnetium Heptoxide. <i>Journal of the American Chemical Society</i> , 2010, 132, 13138-13140.	6.6	13
95	Fault-tolerant communication runtime support for data-centric programming models. , 2010, , .		12
96	Towards Highly scalable Ab Initio Molecular Dynamics (AIMD) Simulations on the Intel Knights Landing Manycore Processor. , 2017, , .		12
97	Reactions of $\text{U}^+$ with $\text{H}_2$ , $\text{D}_2$ , and HD Studied by Guided Ion Beam Tandem Mass Spectrometry and Theory. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7825-7839.	1.1	12
98	Linear response coupled cluster singles and doubles approach with modified spectral resolution of the similarity transformed Hamiltonian. <i>Journal of Chemical Physics</i> , 2007, 127, 164105.	1.2	11
99	On the Formation of $\infty$ -Hypercoordinated-Uranyl Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 8490-8493.	1.9	11
100	Simulating Cl K-edge X-ray absorption spectroscopy in $\text{MCl}_6^{2-}$ ( $\text{M}=\text{U, Np, Pu}$ ) complexes and $\text{UOCl}_5^-$ using time-dependent density functional theory. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	0.5	11
101	On the Efficient Evaluation of the Exchange Correlation Potential on Graphics Processing Unit Clusters. <i>Frontiers in Chemistry</i> , 2020, 8, 581058.	1.8	11
102	Reductive activation of neptunyl and plutonyl oxo species with a hydroxypyridinone chelating ligand. <i>Chemical Communications</i> , 2018, 54, 10698-10701.	2.2	10
103	The Effect of Geometry, Spin, and Orbital Optimization in Achieving Accurate, Correlated Results for Iron-Sulfur Cubanes. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 687-702.	2.3	10
104	Baguset al.Reply:. <i>Physical Review Letters</i> , 2001, 86, 3693-3693.	2.9	9
105	Designing a Scalable Fault Tolerance Model for High Performance Computational Chemistry: A Case Study with Coupled Cluster Perturbative Triples. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 66-75.	2.3	9
106	Thread-level parallelization and optimization of NWChem for the Intel MIC architecture. , 2015, , .		9
107	Heptavalent Actinide Tetroxides $\text{NpO}_4^{\ominus}$ and $\text{PuO}_4^{\ominus}$ : Oxidation of Pu(V) to Pu(VII) by Adding an Electron to $\text{PuO}_4$ . <i>Journal of Physical Chemistry A</i> , 2017, 121, 9156-9162.	1.1	9
108	Stochastic resolution of identity second-order Matsubara Green's function theory. <i>Journal of Chemical Physics</i> , 2019, 151, 044114.	1.2	9

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109	An Algebraic Quantum Circuit Compression Algorithm for Hamiltonian Simulation. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2022, 43, 1084-1108.	0.7	9
110	Advances in Scalable Computational Chemistry. <i>Annual Reports in Computational Chemistry</i> , 2011, 7, 151-177.	0.9	8
111	Cation-Cation Interactions in $[(UO_2)_2(OH)_n]^{4-}$ Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 11269-11279.	1.9	8
112	Characterization of the molecular iodine electronic wave functions and potential energy curves through hyperfine interactions in the $BO^+_u(3P_i_u)$ state. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 951.	0.9	7
113	Performance Evaluation of NWChem Ab-Initio Molecular Dynamics (AIMD) Simulations on the Intel® Xeon Phi™ Processor. <i>Lecture Notes in Computer Science</i> , 2017, , 404-418.	1.0	7
114	Achieving performance portability in Gaussian basis set density functional theory on accelerator based architectures in NWChemEx. <i>Parallel Computing</i> , 2021, 108, 102829.	1.3	7
115	Open Chemistry, JupyterLab, REST, and quantum chemistry. <i>International Journal of Quantum Chemistry</i> , 2021, 121, .	1.0	7
116	ArQTiC: A Full-stack Software Package for Simulating Materials on Quantum Computers. <i>ACM Transactions on Quantum Computing</i> , 2022, 3, 1-17.	2.6	7
117	Potential energy surface for dissociation including spin-orbit effects. <i>Molecular Physics</i> , 2012, 110, 2599-2609.	0.8	6
118	Barrier elision for production parallel programs. , 2015, , .		6
119	Equatorial coordination of uranyl: Correlating ligand charge donation with the Oyl-U-Oyl asymmetric stretch frequency. <i>Journal of Organometallic Chemistry</i> , 2018, 857, 94-100.	0.8	6
120	Free energies and mechanisms of water exchange around Uranyl from first principles molecular dynamics. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1383, 113.	0.1	5
121	Performance Tuning of Fock Matrix and Two-Electron Integral Calculations for NWChem on Leading HPC Platforms. <i>Lecture Notes in Computer Science</i> , 2014, , 261-280.	1.0	5
122	A quantum algorithm to efficiently sample from interfering binary trees. <i>Quantum Science and Technology</i> , 2020, 5, 035004.	2.6	5
123	Transitioning NWChem to the Next Generation of Manycore Machines. , 2017, , 165-186.		5
124	Gas Phase Computational Studies on the Competition between Nitrile and Water Ligands in Uranyl Complexes. <i>Journal of Physical Chemistry A</i> , 2010, 114, 8902-8912.	1.1	4
125	Thermodynamics of Tetravalent Thorium and Uranium Complexes from First-Principles Calculations. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4988-4995.	1.1	4
126	Composable Programming of Hybrid Workflows for Quantum Simulation. , 2021, , .		3



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127	Exploiting variability for energy optimization of parallel programs. , 2016, , .		3
128	Implementing a Variational Quantum Eigensolver using Superconducting Qubits. , 2017, , .		3
129	Electron correlation effects on the f <sub>6</sub> -manifold of the Eu <sup>3+</sup> impurity in Ba <sub>2</sub> GdNbO <sub>6</sub> . International Journal of Quantum Chemistry, 1995, 56, 609-613.	1.0	2
130	A Hartree-Fock Application Using UPC++ and the New DArray Library. , 2016, , .		2
131	Test Points for Online Monitoring of Quantum Circuits. ACM Journal on Emerging Technologies in Computing Systems, 2022, 18, 1-19.	1.8	2
132	Quantum Markov chain Monte Carlo with digital dissipative dynamics on quantum computers. Quantum Science and Technology, 2022, 7, 025017.	2.6	2
133	Scalable Programming Workflows for Validation of Quantum Computers. , 2021, , .		2
134	Noniterative inclusion of the triply and quadruply excited clusters: The locally renormalized perspective. Computational and Theoretical Chemistry, 2006, 768, 45-52.	1.5	1
135	Providing fault tolerance in extreme scale parallel applications. , 2011, , .		1
136	Towards a better understanding of on and off target effects of the lymphocyte-specific kinase LCK for the development of novel and safer pharmaceuticals. Procedia Computer Science, 2017, 108, 1222-1231.	1.2	1
137	Bridging experiment and theory: a template for unifying NMR data and electronic structure calculations. Journal of Cheminformatics, 2016, 8, 8.	2.8	0
138	QuaSiMo: A composable library to program hybrid workflows for quantum simulation. IET Quantum Communication, 0, , .	2.2	0