

Matthew J Otten

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

519
citations

758635

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940134

16
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19
docs citations

19
times ranked

628
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Ab initio</i> molecular dynamics on quantum computers. <i>Journal of Chemical Physics</i> , 2021, 154, 164103.	1.2	15
2	Impacts of noise and structure on quantum information encoded in a quantum memory. <i>Physical Review A</i> , 2021, 104, .	1.0	5
3	Strongly Coupled Excitonâ€“Surface Lattice Resonances Engineer Long-Range Energy Propagation. <i>Nano Letters</i> , 2020, 20, 5043-5049.	4.5	30
4	Non-Hermitian approach for quantum plasmonics. <i>Journal of Chemical Physics</i> , 2020, 152, 084105.	1.2	14
5	Coherent Manipulation of Single Electrons with Optical Photons in Condensed Heliumâ€“4. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000008.	1.3	0
6	Accurate many-body electronic structure near the basis set limit: Application to the chromium dimer. <i>Physical Review Research</i> , 2020, 2, .	1.3	31
7	Recovering noise-free quantum observables. <i>Physical Review A</i> , 2019, 99, .	1.0	43
8	Accounting for errors in quantum algorithms via individual error reduction. <i>Npj Quantum Information</i> , 2019, 5, .	2.8	35
9	Ground-state cooling enabled by critical coupling and dark entangled states. <i>Physical Review B</i> , 2019, 99, .	1.1	7
10	Excited States of Methylene, Polyenes, and Ozone from Heat-Bath Configuration Interaction. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2714-2722.	1.1	80
11	Fast semistochastic heat-bath configuration interaction. <i>Journal of Chemical Physics</i> , 2018, 149, 214110.	1.2	99
12	Time-Dependent Linear-Response Variational Monte Carlo. <i>Advances in Quantum Chemistry</i> , 2018, 76, 255-270.	0.4	6
13	Best Practices in Running Collaborative GPU Hackathons: Advancing Scientific Applications with a Sustained Impact. <i>Computing in Science and Engineering</i> , 2018, 20, 95-106.	1.2	8
14	Origins and optimization of entanglement in plasmonically coupled quantum dots. <i>Physical Review A</i> , 2016, 94, .	1.0	30
15	Neckbone performance on GPUs with OpenACC and CUDA Fortran implementations. <i>Journal of Supercomputing</i> , 2016, 72, 4160-4180.	2.4	21
16	An MPI/OpenACC implementation of a high-order electromagnetics solver with GPUDirect communication. <i>International Journal of High Performance Computing Applications</i> , 2016, 30, 320-334.	2.4	28
17	Entanglement of two, three, or four plasmonically coupled quantum dots. <i>Physical Review B</i> , 2015, 92, .	1.1	54
18	Unitary Selective Coupled-Cluster Method. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 6, 703.	0.0	13