

Matthew J Otten

List of Publications by Citations

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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.

17
papers

346
citations

10
h-index

18
g-index

19
ext. papers

448
ext. citations

3.7
avg, IF

4.01
L-index

#	Paper	IF	Citations
17	Fast semistochastic heat-bath configuration interaction. <i>Journal of Chemical Physics</i> , 2018 , 149, 214110	3.9	71
16	Excited States of Methylene, Polyenes, and Ozone from Heat-Bath Configuration Interaction. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 2714-2722	2.8	63
15	Entanglement of two, three, or four plasmonically coupled quantum dots. <i>Physical Review B</i> , 2015 , 92,	3.3	44
14	Recovering noise-free quantum observables. <i>Physical Review A</i> , 2019 , 99,	2.6	27
13	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	1.8	22
12	Origins and optimization of entanglement in plasmonically coupled quantum dots. <i>Physical Review A</i> , 2016 , 94,	2.6	21
11	Accurate many-body electronic structure near the basis set limit: Application to the chromium dimer. <i>Physical Review Research</i> , 2020 , 2,	3.9	21
10	Accounting for errors in quantum algorithms via individual error reduction. <i>Npj Quantum Information</i> , 2019 , 5,	8.6	19
9	Strongly Coupled Exciton-Surface Lattice Resonances Engineer Long-Range Energy Propagation. <i>Nano Letters</i> , 2020 , 20, 5043-5049	11.5	15
8	Nekbone performance on GPUs with OpenACC and CUDA Fortran implementations. <i>Journal of Supercomputing</i> , 2016 , 72, 4160-4180	2.5	13
7	Non-Hermitian approach for quantum plasmonics. <i>Journal of Chemical Physics</i> , 2020 , 152, 084105	3.9	8
6	Ground-state cooling enabled by critical coupling and dark entangled states. <i>Physical Review B</i> , 2019 , 99,	3.3	6
5	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	1.5	5
4	Time-Dependent Linear-Response Variational Monte Carlo. <i>Advances in Quantum Chemistry</i> , 2018 , 76, 255-270	1.4	5
3	Ab initio molecular dynamics on quantum computers. <i>Journal of Chemical Physics</i> , 2021 , 154, 164103	3.9	3
2	Unitary Selective Coupled-Cluster Method. <i>Quantum - the Open Journal for Quantum Science</i> , 6 , 703		3
1	Coherent Manipulation of Single Electrons with Optical Photons in Condensed Helium-4. <i>Advanced Theory and Simulations</i> , 2020 , 3, 2000008	3.5	

