Matthew J Otten

List of Publications by Year in Descending Order

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	Ab initio molecular dynamics on quantum computers. *Journal of Chemical Physics*, **2021**, 154, 164103	3.9	3
16	Strongly Coupled Exciton-Surface Lattice Resonances Engineer Long-Range Energy Propagation. *Nano Letters*, **2020**, 20, 5043-5049	11.5	15
15	Non-Hermitian approach for quantum plasmonics. *Journal of Chemical Physics*, **2020**, 152, 084105	3.9	8
14	Coherent Manipulation of Single Electrons with Optical Photons in Condensed Helium-4. *Advanced Theory and Simulations*, **2020**, 3, 2000008	3.5	
13	Accurate many-body electronic structure near the basis set limit: Application to the chromium dimer. *Physical Review Research*, **2020**, 2,	3.9	21
12	Recovering noise-free quantum observables. *Physical Review A*, **2019**, 99,	2.6	27
11	Accounting for errors in quantum algorithms via individual error reduction. *Npj Quantum Information*, **2019**, 5,	8.6	19
10	Ground-state cooling enabled by critical coupling and dark entangled states. *Physical Review B*, **2019**, 99,	3.3	6
9	Excited States of Methylene, Polyenes, and Ozone from Heat-Bath Configuration Interaction. *Journal of Physical Chemistry A*, **2018**, 122, 2714-2722	2.8	63
8	Best Practices in Running Collaborative GPU Hackathons: Advancing Scientific Applications with a Sustained Impact. *Computing in Science and Engineering*, **2018**, 20, 95-106	1.5	5
7	Fast semistochastic heat-bath configuration interaction. *Journal of Chemical Physics*, **2018**, 149, 214110	3.9	71
6	Time-Dependent Linear-Response Variational Monte Carlo. *Advances in Quantum Chemistry*, **2018**, 76, 255-270	1.4	5
5	Origins and optimization of entanglement in plasmonically coupled quantum dots. *Physical Review A*, **2016**, 94,	2.6	21
4	Nekbone performance on GPUs with OpenACC and CUDA Fortran implementations. *Journal of Supercomputing*, **2016**, 72, 4160-4180	2.5	13
3	An MPI/OpenACC implementation of a high-order electromagnetics solver with GPUDirect communication. *International Journal of High Performance Computing Applications*, **2016**, 30, 320-334	1.8	22
2	Entanglement of two, three, or four plasmonically coupled quantum dots. *Physical Review B*, **2015**, 92,	3.3	44
1	Unitary Selective Coupled-Cluster Method. *Quantum - the Open Journal for Quantum Science*,6, 703		3