Thomas E Baker

List of Publications by Citations

17 papers	**188** citations	**6** h-index	**13** g-index
20 ext. papers	**247** ext. citations	**3.1** avg, IF	**3.21** L-index

#	Paper	IF	Citations
17	Pure density functional for strong correlation and the thermodynamic limit from machine learning. *Physical Review B*, **2016**, 94,	3.3	67
16	Kohn-Sham calculations with the exact functional. *Physical Review B*, **2014**, 90,	3.3	29
15	Can exact conditions improve machine-learned density functionals?. *Journal of Chemical Physics*, **2018**, 148, 241743	3.9	24
14	One-dimensional mimicking of electronic structure: The case for exponentials. *Physical Review B*, **2015**, 91,	3.3	22
13	Jacobi elliptic functions and the complete solution to the bead on the hoop problem. *American Journal of Physics*, **2012**, 80, 506-514	0.7	14
12	Long range triplet Josephson current and 0π transitions in tunable domain walls. *New Journal of Physics*, **2014**, 16, 093048	2.9	8
11	Cascading proximity effects in rotating magnetizations. *Europhysics Letters*, **2014**, 107, 17001	1.6	5
10	Accurate correlation energies in one-dimensional systems from small system-adapted basis functions. *Physical Review B*, **2018**, 97,	3.3	4
9	Efficient modeling of superconducting quantum circuits with tensor networks. *Npj Quantum Information*, **2021**, 7,	8.6	3
8	Properties of Magnetic-Superconducting Proximity Systems. *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 2177-2182	1.5	2
7	Density functionals and Kohn-Sham potentials with minimal wavefunction preparations on a quantum computer. *Physical Review Research*, **2020**, 2,	3.9	2
6	Classical Mechanical Analogies in Wide Dirty SFS Junctions. *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 2183-2185	1.5	1
5	Lanczos recursion on a quantum computer for the Green's function and ground state. *Physical Review A*, **2021**, 103,	2.6	1
4	Effects from magnetic boundary conditions in superconducting-magnetic proximity systems. *AIP Advances*, **2016**, 6, 055811	1.5	1
3	Classification of magnetic inhomogeneities and 0π transitions in superconducting-magnetic hybrid structures. *Physical Review B*, **2016**, 94,	3.3	1
2	Méthodes de calcul avec réseaux de tenseurs en physique. *Canadian Journal of Physics*, **2021**, 99, 207-221	1.1	1
1	Two Phases Inside the Bose Condensation Dome of Yb_{2}Si_{2}O_{7}. *Physical Review Letters*, **2021**, 126, 067201	7.4	0