Mike Espig

List of Publications by Year
in descending order

13	357	840776 11	1125743 13
papers	citations	h-index	g-index

14	14	14	274
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iterative algorithms for the post-processing of high-dimensional data. Journal of Computational Physics, 2020, 410, 109396.	3.8	9
2	Tensor representation techniques for full configuration interaction: A Fock space approach using the canonical product format. Journal of Chemical Physics, 2016, 144, 244102.	3.0	13
3	Mesh-free canonical tensor products for six-dimensional density matrix: computation of kinetic energy. Computing and Visualization in Science, 2015, 17, 267-275.	1.2	0
4	Efficient low-rank approximation of the stochastic Galerkin matrix in tensor formats. Computers and Mathematics With Applications, 2014, 67, 818-829.	2.7	38
5	Tensor representation techniques in post-Hartreeâ€“Fock methods: matrix product state tensor format. Molecular Physics, 2013, 111, 2398-2413.	1.7	15
6	A regularized Newton method for the efficient approximation of tensors represented in the canonical tensor format. Numerische Mathematik, 2012, 122, 489-525.	1.9	30
7	A note on tensor chain approximation. Computing and Visualization in Science, 2012, 15, 331-344.	1.2	18
8	Variational calculus with sums of elementary tensors of fixed rank. Numerische Mathematik, 2012, 122, 469-488.	1.9	27
9	Tensor decomposition in post-Hartreeâ€“Fock methods. I. Two-electron integrals and MP2. Journal of Chemical Physics, 2011, 134, 054118.	3.0	65
10	Optimization problems in contracted tensor networks. Computing and Visualization in Science, 2011, 14, 271-285.	1.2	29
11	Canonical Tensor Products as a Generalization of Gaussian-type Orbitals. Zeitschrift Fur Physikalische Chemie, 2010, 224, 681-694.	2.8	8
12	Black Box Low Tensor-Rank Approximation Using Fiber-Crosses. Constructive Approximation, 2009, 30, 557-597.	3.0	39
13	Tensor product approximation with optimal rank in quantum chemistry. Journal of Chemical Physics, 2007, 127, 084110.	3.0	48