

Eric Jon Sundstrom

List of Publications by Year in descending order

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12
papers

3,623
citations

759055

12
h-index

1125617

13
g-index

13
all docs

13
docs citations

13
times ranked

4460
citing authors

#	ARTICLE	IF	CITATIONS
1	Software for the frontiers of quantum chemistry: An overview of developments in the Q-Chem 5 package. <i>Journal of Chemical Physics</i> , 2021, 155, 084801.	1.2	518
2	Restricted Hartree Fock using complex-valued orbitals: A long-known but neglected tool in electronic structure theory. <i>Journal of Chemical Physics</i> , 2015, 142, 024104.	1.2	26
3	A simple way to test for collinearity in spin symmetry broken wave functions: General theory and application to generalized Hartree Fock. <i>Journal of Chemical Physics</i> , 2015, 142, 094112.	1.2	16
4	Wavefunction stability analysis without analytical electronic Hessians: application to orbital-optimised second-order Møller-Plesset theory and VW10-containing density functionals. <i>Molecular Physics</i> , 2015, 113, 1802-1808.	0.8	30
5	Advances in molecular quantum chemistry contained in the Q-Chem 4 program package. <i>Molecular Physics</i> , 2015, 113, 184-215.	0.8	2,561
6	Non-orthogonal configuration interaction for the calculation of multielectron excited states. <i>Journal of Chemical Physics</i> , 2014, 140, 114103.	1.2	66
7	Spin-flip non-orthogonal configuration interaction: a variational and almost black-box method for describing strongly correlated molecules. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22694-22705.	1.3	38
8	Unrestricted absolutely localized molecular orbitals for energy decomposition analysis: Theory and applications to intermolecular interactions involving radicals. <i>Journal of Chemical Physics</i> , 2013, 138, 134119.	1.2	90
9	Useful lower limits to polarization contributions to intermolecular interactions using a minimal basis of localized orthogonal orbitals: Theory and analysis of the water dimer. <i>Journal of Chemical Physics</i> , 2013, 138, 084102.	1.2	38
10	Computational and Experimental Study of the Mechanism of Hydrogen Generation from Water by a Molecular Molybdenum-Oxo Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2012, 134, 5233-5242.	6.6	68
11	Degree of Initial Hole Localization/Delocalization in Ionized Water Clusters. <i>Journal of Physical Chemistry A</i> , 2009, 113, 4423-4429.	1.1	35
12	LOBA: a localized orbital bonding analysis to calculate oxidation states, with application to a model water oxidation catalyst. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 11297.	1.3	134