Anthony D Dutoi

List of Publications by Year
in descending order

19	6,011	686830 13	794141 19
papers	citations	h-index	g-index

19	19	19	7042
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	<scp>A2Cloudâ€RF</scp>: A random forest based statistical framework to guide resource selection for <scp>highâ€performance</scp> scientific computing on the cloud. Concurrency Computation Practice and Experience, 2020, 32, e5942.	1.4	5
2	Systematically improvable excitonic Hamiltonians for electronic structure theory. Molecular Physics, 2019, 117, 431-445.	0.8	4
3	Excitonically renormalised coupled-cluster theory. Molecular Physics, 2019, 117, 446-461.	0.8	5
4	Simulation of X-ray transient absorption for following vibrations in coherently ionized F2 molecules. Chemical Physics, 2017, 482, 249-264.	0.9	10
5	Advances in molecular quantum chemistry contained in the Q-Chem 4 program package. Molecular Physics, 2015, 113, 184-215.	0.8	2,561
6	Time-resolved pump-probe spectroscopy to follow valence electronic motion in molecules: Application. Physical Review A, 2014, 90, .	1.0	16
7	Visualising many-body electron dynamics using one-body densities and orbitals. Molecular Physics, 2014, 112, 1-11.	0.8	22
8	Time-resolved pump-probe spectroscopy to follow valence electronic motion in molecules: Theory. Physical Review A, 2013, 88, .	1.0	18
9	An Excited Electron Avoiding a Positive Charge. Journal of Physical Chemistry Letters, 2011, 2, 2300-2303.	2.1	19
10	Ultrafast charge separation driven by differential particle and hole mobilities. Journal of Chemical Physics, 2011, 134, 024303.	1.2	23
11	Tracing molecular electronic excitation dynamics in real time and space. Journal of Chemical Physics, 2010, 132, 144302.	1.2	36
12	The exchange energy of a uniform electron gas experiencing a new, flexible range separation. Chemical Physics Letters, 2009, 478, 283-286.	1.2	9
13	A Study of the Effect of Attenuation Curvature on Molecular Correlation Energies by Introducing an Explicit Cutoff Radius into Two-Electron Integrals. Journal of Physical Chemistry A, 2008, 112, 2110-2119.	1.1	19
14	Self-interaction error of local density functionals for alkaliâ€“halide dissociation. Chemical Physics Letters, 2006, 422, 230-233.	1.2	98
15	Advances in methods and algorithms in a modern quantum chemistry program package. Physical Chemistry Chemical Physics, 2006, 8, 3172-3191.	1.3	2,597
16	Accurate local approximations to the triples correlation energy: formulation, implementation and tests of 5th-order scaling models. Molecular Physics, 2005, 103, 425-437.	0.8	53
17	An Orbital-Based Definition of Radical and Multiradical Character. Journal of Physical Chemistry A, 2004, 108, 10270-10279.	1.1	13
18	Scaled opposite-spin second order MÃ¸llerâ€“Plesset correlation energy: An economical electronic structure method. Journal of Chemical Physics, 2004, 121, 9793-9802.	1.2	492

#	Article	IF	Citations
19	Title is missing!. Journal of Chemical Crystallography, 1998, 28, 893-898.	0.5	11