Hugh G A Burton

List of Publications by Year
in descending order

17	720	759055 12	887953 17
papers	citations	h-index	g-index

18	18	18	454
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Energy Landscape of State-Specific Electronic Structure Theory. Journal of Chemical Theory and Computation, 2022, 18, 1512-1526.	2.3	13
2	Complex analysis of divergent perturbation theory at finite temperature. Journal of Chemical Physics, 2022, 156, 171101.	1.2	1
3	Hartreeâ€“Fock critical nuclear charge in two-electron atoms. Journal of Chemical Physics, 2021, 154, 111103.	1.2	14
4	Generalized nonorthogonal matrix elements: Unifying Wickâ€™s theorem and the Slaterâ€“Condon rules. Journal of Chemical Physics, 2021, 154, 144109.	1.2	13
5	Perturbation theory in the complex plane: exceptional points and where to find them. Journal of Physics Condensed Matter, 2021, 33, 283001.	0.7	19
6	Software for the frontiers of quantum chemistry: An overview of developments in the Q-Chem 5 package. Journal of Chemical Physics, 2021, 155, 084801.	1.2	518
7	Variations of the Hartreeâ€“Fock fractional-spin error for one electron. Journal of Chemical Physics, 2021, 155, 054107.	1.2	6
8	Energy Landscapes for Electronic Structure. Journal of Chemical Theory and Computation, 2021, 17, 151-169.	2.3	18
9	Towards a Holomorphic Density Functional Theory. Journal of Chemical Theory and Computation, 2020, 16, 7400-7412.	2.3	5
10	Reaching Full Correlation through Nonorthogonal Configuration Interaction: A Second-Order Perturbative Approach. Journal of Chemical Theory and Computation, 2020, 16, 5586-5600.	2.3	18
11	General Approach for Multireference Ground and Excited States Using Nonorthogonal Configuration Interaction. Journal of Chemical Theory and Computation, 2019, 15, 4851-4861.	2.3	15
12	Complex adiabatic connection: A hidden non-Hermitian path from ground to excited states. Journal of Chemical Physics, 2019, 150, 041103.	1.2	12
13	Parity-Time Symmetry in Hartreeâ€“Fock Theory. Journal of Chemical Theory and Computation, 2019, 15, 4374-4385.	2.3	6
14	Fieldâ€programmable gate arrays and quantum Monte Carlo: Power efficient coprocessing for scalable highâ€performance computing. International Journal of Quantum Chemistry, 2019, 119, e25853.	1.0	1
15	Holomorphic Hartreeâ€“Fock Theory: The Nature of Two-Electron Problems. Journal of Chemical Theory and Computation, 2018, 14, 607-618.	2.3	18
16	Microscopic Marangoni Flows Cannot Be Predicted on the Basis of Pressure Gradients. Physical Review Letters, 2017, 119, 224502.	2.9	15
17	Holomorphic Hartreeâ€“Fock Theory: An Inherently Multireference Approach. Journal of Chemical Theory and Computation, 2016, 12, 167-173.	2.3	28