James P Finley

List of Publications by Year
in descending order

18 papers	**661** citations	840585 **11** h-index	887953 **17** g-index
18 all docs	**18** docs citations	**18** times ranked	**460** citing authors

#	Article	IF	Citations
1	A fluid description based on the Bernoulli equation of the one-body stationary states of quantum mechanics with real valued wavefunctions. Journal of Physics Communications, 2022, 6, 045002.	0.5	2
2	The differential virial theorem with gradient- and Laplacian-dependent operator formulas. Chemical Physics Letters, 2017, 667, 244-246.	1.2	0
3	Using the local density approximation and the LYP, BLYP and B3LYP functionals within reference-state one-particle density-matrix theory. Molecular Physics, 2004, 102, 627-639.	0.8	52
4	Reference-state one-particle density-matrix theory. Physical Review A, 2004, 69, .	1.0	3
5	Maximum radius of convergence perturbation theory: test calculations on Be, Ne, H 2 and HF. Theoretical Chemistry Accounts, 2003, 110, 185-189.	0.5	3
6	Intruder state avoidance multireference Mãller-Plesset perturbation theory. Journal of Computational Chemistry, 2002, 23, 957-965.	1.5	186
7	Identifying and removing intruder states in multireference Mo/llerâ€"Plesset perturbation theory. Journal of Chemical Physics, 2001, 114, 3913-3918.	1.2	61
8	Diagrammatic CASPT2 using an internally contracted basis. Chemical Physics Letters, 2000, 318, 190-195.	1.2	3
9	Diagrammatic complete active space perturbation theory: Calculations on benzene, N2, and LiF. Journal of Chemical Physics, 2000, 112, 3958-3963.	1.2	33
10	On the performance of diagrammatic complete active space perturbation theory. Journal of Chemical Physics, 2000, 113, 7773-7778.	1.2	6
11	Maximum radius of convergence perturbation theory. Journal of Chemical Physics, 2000, 112, 6997-7001.	1.2	16
12	Similarities between single reference perturbation theory based on a CASSCF wavefunction and multireference perturbation theory based on a reference space spanned by a CAS. Chemical Physics Letters, 1998, 283, 277-282.	1.2	8
13	Diagrammatic complete active space perturbation theory. Journal of Chemical Physics, 1998, 108, 1081-1088.	1.2	21
14	Multireference perturbation theory with flexible energy denominators. Journal of Chemical Physics, 1998, 109, 7725-7736.	1.2	14
15	Comparison of the perturbative convergence with multireference Mã¶llerâ€"Plesset, Epsteinâ€"Nesbet, forced degenerate and optimized zeroth order partitionings: The excited BeH2surface. Journal of Chemical Physics, 1997, 106, 4067-4081.	1.2	43
16	Convergence behavior of multireference perturbation theory: Forced degeneracy and optimization partitioning applied to the beryllium atom. Physical Review A, 1996, 54, 343-356.	1.0	55
17	Application of complete space multireference manyâ€"body perturbation theory to N2: Dependence on reference space andH0. Journal of Chemical Physics, 1995, 102, 1306-1333.	1.2	62
18	Applications of multireference perturbation theory to potential energy surfaces by optimal partitioning ofH: Intruder states avoidance and convergence enhancement. Journal of Chemical Physics, 1995, 103, 4990-5010.	1.2	93