

James P Finley

List of Publications by Year in descending order

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18
papers

661
citations

840776

11
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888059

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18
docs citations

18
times ranked

460
citing authors

#	ARTICLE	IF	CITATIONS
1	Intruder state avoidance multireference Møller-Plesset perturbation theory. <i>Journal of Computational Chemistry</i> , 2002, 23, 957-965.	3.3	186
2	Applications of multireference perturbation theory to potential energy surfaces by optimal partitioning of H: Intruder states avoidance and convergence enhancement. <i>Journal of Chemical Physics</i> , 1995, 103, 4990-5010.	3.0	93
3	Application of complete space multireference many-body perturbation theory to N ₂ : Dependence on reference space and H ₀ . <i>Journal of Chemical Physics</i> , 1995, 102, 1306-1333.	3.0	62
4	Identifying and removing intruder states in multireference Møller-Plesset perturbation theory. <i>Journal of Chemical Physics</i> , 2001, 114, 3913-3918.	3.0	61
5	Convergence behavior of multireference perturbation theory: Forced degeneracy and optimization partitioning applied to the beryllium atom. <i>Physical Review A</i> , 1996, 54, 343-356.	2.5	55
6	Using the local density approximation and the LYP, BLYP and B3LYP functionals within reference-state one-particle density-matrix theory. <i>Molecular Physics</i> , 2004, 102, 627-639.	1.7	52
7	Comparison of the perturbative convergence with multireference Møller-Plesset, Epstein-Nesbet, forced degenerate and optimized zeroth order partitionings: The excited BeH ₂ surface. <i>Journal of Chemical Physics</i> , 1997, 106, 4067-4081.	3.0	43
8	Diagrammatic complete active space perturbation theory: Calculations on benzene, N ₂ , and LiF. <i>Journal of Chemical Physics</i> , 2000, 112, 3958-3963.	3.0	33
9	Diagrammatic complete active space perturbation theory. <i>Journal of Chemical Physics</i> , 1998, 108, 1081-1088.	3.0	21
10	Maximum radius of convergence perturbation theory. <i>Journal of Chemical Physics</i> , 2000, 112, 6997-7001.	3.0	16
11	Multireference perturbation theory with flexible energy denominators. <i>Journal of Chemical Physics</i> , 1998, 109, 7725-7736.	3.0	14
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. <i>Chemical Physics Letters</i> , 1998, 283, 277-282.	2.6	8
13	On the performance of diagrammatic complete active space perturbation theory. <i>Journal of Chemical Physics</i> , 2000, 113, 7773-7778.	3.0	6
14	Diagrammatic CASPT2 using an internally contracted basis. <i>Chemical Physics Letters</i> , 2000, 318, 190-195.	2.6	3
15	Maximum radius of convergence perturbation theory: test calculations on Be, Ne, H ₂ and HF. <i>Theoretical Chemistry Accounts</i> , 2003, 110, 185-189.	1.4	3
16	Reference-state one-particle density-matrix theory. <i>Physical Review A</i> , 2004, 69, .	2.5	3
17	A fluid description based on the Bernoulli equation of the one-body stationary states of quantum mechanics with real valued wavefunctions. <i>Journal of Physics Communications</i> , 2022, 6, 045002.	1.2	2
18	The differential virial theorem with gradient- and Laplacian-dependent operator formulas. <i>Chemical Physics Letters</i> , 2017, 667, 244-246.	2.6	0