Sandeep Sharma

List of Publications by Year
in descending order

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Version: 2024-02-01

19	1,024	567281 15	794594 19
papers	citations	h-index	g-index

19	19	19	717
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Semistochastic Heat-Bath Configuration Interaction Method: Selected Configuration Interaction with Semistochastic Perturbation Theory. Journal of Chemical Theory and Computation, 2017, 13, 1595-1604.	5.3	232
2	Cheap and Near Exact CASSCF with Large Active Spaces. Journal of Chemical Theory and Computation, 2017, 13, 5468-5478.	5.3	131
3	Excited states using semistochastic heat-bath configuration interaction. Journal of Chemical Physics, 2017, 147, 164111.	3.0	108
4	Fast semistochastic heat-bath configuration interaction. Journal of Chemical Physics, 2018, 149, 214110.	3.0	99
5	The Ground State Electronic Energy of Benzene. Journal of Physical Chemistry Letters, 2020, 11, 8922-8929.	4.6	90
6	Excited States of Methylene, Polyenes, and Ozone from Heat-Bath Configuration Interaction. Journal of Physical Chemistry A, 2018, 122, 2714-2722.	2.5	80
7	Combining Internally Contracted States and Matrix Product States To Perform Multireference Perturbation Theory. Journal of Chemical Theory and Computation, 2017, 13, 488-498.	5.3	55
8	Multistate Complete-Active-Space Second-Order Perturbation Theory Based on Density Matrix Renormalization Group Reference States. Journal of Chemical Theory and Computation, 2017, 13, 4829-4840.	5.3	48
9	One-Step Treatment of Spinâ€“Orbit Coupling and Electron Correlation in Large Active Spaces. Journal of Chemical Theory and Computation, 2018, 14, 154-165.	5.3	39
10	Improved Speed and Scaling in Orbital Space Variational Monte Carlo. Journal of Chemical Theory and Computation, 2018, 14, 6276-6286.	5.3	26
11	Taming the Sign Problem in Auxiliary-Field Quantum Monte Carlo Using Accurate Wave Functions. Journal of Chemical Theory and Computation, 2021, 17, 4786-4798.	5.3	19
12	Externally Corrected CCSD with Renormalized Perturbative Triples (R-ecCCSD(T)) and the Density Matrix Renormalization Group and Selected Configuration Interaction External Sources. Journal of Chemical Theory and Computation, 2021, 17, 3414-3425.	5.3	18
13	Symmetry-Projected Jastrow Mean-Field Wave Function in Variational Monte Carlo. Journal of Physical Chemistry A, 2019, 123, 3911-3921.	2.5	17
14	Multireference configuration interaction and perturbation theory without reduced density matrices. Journal of Chemical Physics, 2019, 151, 211102.	3.0	16
15	Efficient multireference perturbation theory without high-order reduced density matrices. Journal of Chemical Physics, 2020, 153, 164120.	3.0	16
16	An accelerated linear method for optimizing non-linear wavefunctions in variational Monte Carlo. Journal of Chemical Physics, 2020, 152, 024111.	3.0	13
17	Efficient local energy evaluation for multi-Slater wave functions in orbital space quantum Monte Carlo. Journal of Chemical Physics, 2020, 153, 194108.	3.0	10
18	Efficient Evaluation of Two-Center Gaussian Integrals in Periodic Systems. Journal of Chemical Theory and Computation, 2021, 17, 3916-3922.	5.3	4

#	Article	IF	Citations
19	A fast algorithm for computing the Boys function. Journal of Chemical Physics, 2021, 155, 174117.	3.0	3