Sandeep Sharma

List of Publications by Year in Descending Order

19 papers	724 citations	11 h-index	19 g-index
19 ext. papers	864 ext. citations	5 avg, IF	4.7 L-index

#	Paper	IF	Citations
19	A fast algorithm for computing the Boys function. *Journal of Chemical Physics*, **2021**, 155, 174117	3.9	1
18	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	6.4	7
17	Efficient Evaluation of Two-Center Gaussian Integrals in Periodic Systems. *Journal of Chemical Theory and Computation*, **2021**, 17, 3916-3922	6.4	1
16	Taming the Sign Problem in Auxiliary-Field Quantum Monte Carlo Using Accurate Wave Functions. *Journal of Chemical Theory and Computation*, **2021**, 17, 4786-4798	6.4	6
15	An accelerated linear method for optimizing non-linear wavefunctions in variational Monte Carlo. *Journal of Chemical Physics*, **2020**, 152, 024111	3.9	5
14	Efficient local energy evaluation for multi-Slater wave functions in orbital space quantum Monte Carlo. *Journal of Chemical Physics*, **2020**, 153, 194108	3.9	5
13	The Ground State Electronic Energy of Benzene. *Journal of Physical Chemistry Letters*, **2020**, 11, 8922-8929	6.4	52
12	Efficient multireference perturbation theory without high-order reduced density matrices. *Journal of Chemical Physics*, **2020**, 153, 164120	3.9	9
11	Symmetry-Projected Jastrow Mean-Field Wave Function in Variational Monte Carlo. *Journal of Physical Chemistry A*, **2019**, 123, 3911-3921	2.8	11
10	Multireference configuration interaction and perturbation theory without reduced density matrices. *Journal of Chemical Physics*, **2019**, 151, 211102	3.9	12
9	Excited States of Methylene, Polyenes, and Ozone from Heat-Bath Configuration Interaction. *Journal of Physical Chemistry A*, **2018**, 122, 2714-2722	2.8	63
8	One-Step Treatment of Spin-Orbit Coupling and Electron Correlation in Large Active Spaces. *Journal of Chemical Theory and Computation*, **2018**, 14, 154-165	6.4	24
7	Improved Speed and Scaling in Orbital Space Variational Monte Carlo. *Journal of Chemical Theory and Computation*, **2018**, 14, 6276-6286	6.4	13
6	Fast semistochastic heat-bath configuration interaction. *Journal of Chemical Physics*, **2018**, 149, 214110	3.9	71
5	Combining Internally Contracted States and Matrix Product States To Perform Multireference Perturbation Theory. *Journal of Chemical Theory and Computation*, **2017**, 13, 488-498	6.4	46
4	Semistochastic Heat-Bath Configuration Interaction Method: Selected Configuration Interaction with Semistochastic Perturbation Theory. *Journal of Chemical Theory and Computation*, **2017**, 13, 1595-1604	6.4	178
3	Excited states using semistochastic heat-bath configuration interaction. *Journal of Chemical Physics* , **2017**, 147, 164111	3.9	82

2	Cheap and Near Exact CASSCF with Large Active Spaces. *Journal of Chemical Theory and Computation*, **2017**, 13, 5468-5478	6.4	97
1	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	6.4	41