

Romit Chakraborty

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

777
citations

933447

10
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	Software for the frontiers of quantum chemistry: An overview of developments in the Q-Chem 5 package. <i>Journal of Chemical Physics</i> , 2021, 155, 084801.	3.0	518
2	Ambient-Temperature Hydrogen Storage via Vanadium(II)-Dihydrogen Complexation in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 6248-6256.	13.7	81
3	Generalized Pauli conditions on the spectra of one-electron reduced density matrices of atoms and molecules. <i>Physical Review A</i> , 2014, 89, .	2.5	47
4	Observation of an Intermediate to H ₂ Binding in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 14884-14894.	13.7	32
5	Sufficient condition for the openness of a many-electron quantum system from the violation of a generalized Pauli exclusion principle. <i>Physical Review A</i> , 2015, 91, .	2.5	26
6	Structure of the one-electron reduced density matrix from the generalized Pauli exclusion principle. <i>International Journal of Quantum Chemistry</i> , 2015, 115, 1305-1310.	2.0	20
7	Role of the generalized Pauli constraints in the quantum chemistry of excited states. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 784-790.	2.0	15
8	Quantum Chemical Modeling of Pressure-Induced Spin Crossover in Octahedral Metal-Ligand Complexes. <i>ChemPhysChem</i> , 2019, 20, 2742-2747.	2.1	14
9	Noise-assisted energy transfer from the dilation of the set of one-electron reduced density matrices. <i>Journal of Chemical Physics</i> , 2017, 146, 184101.	3.0	12
10	Sparsity of the wavefunction from the generalized Pauli exclusion principle. <i>Journal of Chemical Physics</i> , 2018, 148, 054106.	3.0	10
11	Variational aspects of the Klein-Gordon equation. <i>Indian Journal of Physics</i> , 2015, 89, 181-187.	1.8	2