

Bikash Patra

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

164
citations

1307594

7
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1720034

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g-index

10
all docs

10
docs citations

10
times ranked

91
citing authors

#	ARTICLE	IF	CITATIONS
1	Relevance of the Pauli kinetic energy density for semilocal functionals. <i>Physical Review B</i> , 2019, 100, .	3.2	38
2	Efficient band gap prediction of semiconductors and insulators from a semilocal exchange-correlation functional. <i>Physical Review B</i> , 2019, 100, .	3.2	35
3	Long-range corrected density functional through the density matrix expansion based semilocal exchange hole. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8991-8998.	2.8	21
4	Improved solid stability from a screened range-separated hybrid functional by satisfying semiclassical atom theory and local density linear response. <i>Physical Review B</i> , 2020, 102, .	3.2	19
5	Electronic band structure of layers within meta generalized gradient approximation of density functionals. <i>Physical Review B</i> , 2020, 102, .	3.2	18
6	On the many-electron self-interaction error of the semilocal exchange hole based meta-GGA level range-separated hybrid with the B88 hybrids. <i>Chemical Physics Letters</i> , 2018, 713, 1-9.	2.6	17
7	Correct Structural Phase Stability of FeS_2 , TiO_2 , and MnO_2 from a Semilocal Density Functional. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4284-4291.	3.1	14
8	Adiabatic connection in density functional theory in two-dimensions: A semi-analytic wavefunction based study for two-electron atomic systems. <i>Journal of Chemical Physics</i> , 2019, 151, 204104.	3.0	1
9	Accurate band gaps from exchange potentials designed from cusplless hydrogen density-based exchange hole model. <i>Physical Chemistry Chemical Physics</i> , 0, , .	2.8	1