

# Bikash Patra

## List of Publications by Year in descending order

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9  
papers

164  
citations

1307594

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1720034

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g-index

10  
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10  
docs citations

10  
times ranked

91  
citing authors

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