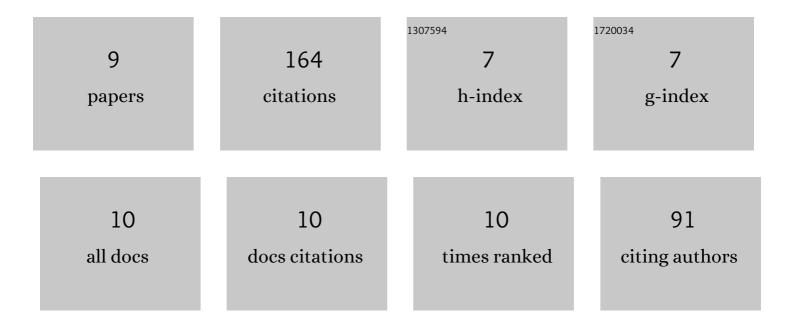
## Bikash Patra

List of Publications by Year in descending order

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RIVACH DATDA

| # | 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 cuspless hydrogen density-based exchange hole model. Physical Chemistry Chemical Physics, 0, , .                                     | 2.8 | 1         |