Laplacian free and asymptotic corrected semilocal exchange potential applied to the band gap of solids

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#	Paper	IF	Citations
17	Relevance of the Pauli kinetic energy density for semilocal functionals. *Physical Review B*, **2019**, 100,	3.3	23
16	Performance of Tao-Mo Semilocal Functional with rVV10 Dispersion-Correction: Influence of Different Correlation. *Journal of Physical Chemistry A*, **2019**, 123, 10582-10593	2.8	11
15	Accurate Water Properties from an Efficient ab Initio Method. *Journal of Chemical Theory and Computation*, **2020**, 16, 974-987	6.4	12
14	Electronic band structure of layers within meta generalized gradient approximation of density functionals. *Physical Review B*, **2020**, 102,	3.3	10
13	Efficient yet accurate dispersion-corrected semilocal exchange-correlation functionals for non-covalent interactions. *Journal of Chemical Physics*, **2020**, 153, 084117	3.9	8
12	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,	3.3	7
11	Unveiling the Physics Behind Hybrid Functionals. *Journal of Physical Chemistry A*, **2020**, 124, 5606-5614	2.8	13
10	Effects of boron doping on structural, electronic, elastic, and optical properties of energetic crystal 2,6-diamino-3,5-dinitropyrazine-1-oxide: a theoretical study using the first principles calculation and Hirshfeld surface analysis. *Journal of Molecular Modeling*, **2020**, 26, 41	2	1
9	Efficient Band Structure Calculation of Two-Dimensional Materials from Semilocal Density Functionals. *Journal of Physical Chemistry C*, **2021**, 125, 11206-11215	3.8	2
8	Improving the applicability of the Pauli kinetic energy density based semilocal functional for solids. *New Journal of Physics*, **2021**, 23, 063007	2.9	3
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6	Screened range-separated hybrid by balancing the compact and slowly varying density regimes: Satisfaction of local density linear response. *Journal of Chemical Physics*, **2020**, 152, 044111	3.9	11
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4	Local hybrid functionals augmented by a strong-correlation model. *Journal of Chemical Physics*, **2021**, 155, 144101	3.9	0
3	Accurate band gaps from exchange potentials designed from cuspless hydrogen density-based exchange hole model. *Physical Chemistry Chemical Physics*,	3.6	0
2	Solid-state performance of a meta-GGA screened hybrid density functional constructed from Pauli kinetic enhancement factor dependent semilocal exchange hole. *Journal of Chemical Physics*,	3.9	1
1	Local Hybrid Functional Applicable to Weakly and Strongly Correlated Systems.		0