

CITATION REPORT

List of articles citing

Kinetic energy density functionals from the Airy gas with an application to the atomization kinetic energies of molecules

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Physical Review B, 2009, 79, .

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#	Paper	IF	Citations
25	Exchange-correlation energy functional based on the Airy-gas reference system. <i>Physical Review B</i> , 2009 , 80,	3.3	15
24	Properties of constraint-based single-point approximate kinetic energy functionals. <i>Physical Review B</i> , 2009 , 80,	3.3	58
23	Generalized Gradient Approximations of the Noninteracting Kinetic Energy from the Semiclassical Atom Theory: Rationalization of the Accuracy of the Frozen Density Embedding Theory for Nonbonded Interactions. <i>Journal of Chemical Theory and Computation</i> , 2011 , 7, 2439-51	6.4	68
22	Can orbital-free density functional theory simulate molecules?. <i>Journal of Chemical Physics</i> , 2012 , 136, 084102	3.9	58
21	Testing the broad applicability of the PBEint GGA functional and its one-parameter hybrid form. <i>International Journal of Quantum Chemistry</i> , 2013 , 113, 673-682	2.1	29
20	Density Scaling of Noninteracting Kinetic Energy Functionals. <i>Journal of Chemical Theory and Computation</i> , 2013 , 9, 2250-5	6.4	27
19	Quantum oscillations in the kinetic energy density: Gradient corrections from the Airy gas. <i>Physical Review B</i> , 2014 , 90,	3.3	18
18	Generalized Gradient Approximation Correlation Energy Functionals Based on the Uniform Electron Gas with Gap Model. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 2016-26	6.4	17
17	Molecular Binding in Post-Kohn-Sham Orbital-Free DFT. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 5338-45	6.4	17
16	Laplacian-Level Kinetic Energy Approximations Based on the Fourth-Order Gradient Expansion: Global Assessment and Application to the Subsystem Formulation of Density Functional Theory. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 164-79	6.4	52
15	Semilocal density functional theory with correct surface asymptotics. <i>Physical Review B</i> , 2016 , 93,	3.3	36
14	Jellium-with-gap model applied to semilocal kinetic functionals. <i>Physical Review B</i> , 2017 , 95,	3.3	21
13	Modified Fourth-Order Kinetic Energy Gradient Expansion with Hartree Potential-Dependent Coefficients. <i>Journal of Chemical Theory and Computation</i> , 2017 , 13, 4228-4239	6.4	24
12	Orbital-free density functional theory for materials research. <i>Journal of Materials Research</i> , 2018 , 33, 777-795	2.5	68
11	Nonlocal kinetic energy functional from the jellium-with-gap model: Applications to orbital-free density functional theory. <i>Physical Review B</i> , 2018 , 97,	3.3	20
10	Upper bound to the gradient-based kinetic energy density of noninteracting electrons in an external potential. <i>Journal of Chemical Physics</i> , 2019 , 151, 064113	3.9	2
9	Semilocal properties of the Pauli kinetic potential. <i>Physical Review B</i> , 2019 , 99,	3.3	10

8	Performance of Semilocal Kinetic Energy Functionals for Orbital-Free Density Functional Theory. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 3044-3055	6.4	18
7	Nonlocal kinetic energy density functional via line integrals and its application to orbital-free density functional theory. <i>Physical Review B</i> , 2019 , 100,	3.3	6
6	Nonlocal kinetic energy density functionals for isolated systems obtained via local density approximation kernels. <i>Physical Review B</i> , 2020 , 101,	3.3	13
5	Methods to generate reference total and Pauli kinetic potentials. <i>Physical Review B</i> , 2020 , 101,	3.3	10
4	Analysis of the kinetic energy functional in the generalized gradient approximation. <i>Journal of Chemical Physics</i> , 2021 , 154, 084107	3.9	1
3	Energy Densities of Exchange and Correlation in the Slowly Varying Region of the Airy Gas. <i>Progress in Theoretical Chemistry and Physics</i> , 2009 , 297-310	0.6	
2	Nonlocal pseudopotential energy density functional for orbital-free density functional theory.. <i>Nature Communications</i> , 2022 , 13, 1385	17.4	1
1	Kinetic energy density for open-shell systems: analysis and development of a novel technique.		0