

# Workhorse Semilocal Density Functional for Condensed Chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Exchange-correlation energy functional based on the Airy-gas reference system. <i>Physical Review B</i> , 2009, 80, .	1.1	17
2	Insight into the performance of GGA functionals for solid-state calculations. <i>Physical Review B</i> , 2009, 80, .	1.1	72
3	Toward improved density functionals for the correlation energy. <i>Journal of Chemical Physics</i> , 2009, 131, 134109.	1.2	46
4	Surface energies, work functions, and surface relaxations of low-index metallic surfaces from first principles. <i>Physical Review B</i> , 2009, 80, .	1.1	407
5	A simple nonlocal model for exchange. <i>Journal of Chemical Physics</i> , 2009, 131, 234111.	1.2	20
6	Communication: Ionization potentials in the limit of large atomic number. <i>Journal of Chemical Physics</i> , 2010, 133, 241103.	1.2	40
7	When does static correlation scale to the high-density limit as exchange does?. <i>Computational and Theoretical Chemistry</i> , 2010, 943, 19-22.	1.5	8
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9	The subsystem functional scheme: The Armiento&Mattsson 2005 (AM05) functional and beyond. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 2274-2282.	1.0	10
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11	Long-range van der Waals attraction and alkali-metal lattice constants. <i>Physical Review B</i> , 2010, 81, .	1.1	65
12	Global Hybrid Functionals: A Look at the Engine under the Hood. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 3688-3703.	2.3	87
13	A General Database for Main Group Thermochemistry, Kinetics, and Noncovalent Interactions & Assessment of Common and Reparameterized (<i>meta</i>-)GGA Density Functionals. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 107-126.	2.3	389
14	Correlation energy of the uniform electron gas from an interpolation between high- and low-density limits. <i>Physical Review B</i> , 2010, 81, .	1.1	51
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16	Density Functional Theory of Electronic Structure: A Short Course for Mineralogists and Geophysicists. <i>Reviews in Mineralogy and Geochemistry</i> , 2010, 71, 1-18.	2.2	16
17	Electronic structure calculations with GPAW: a real-space implementation of the projector augmented-wave method. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 253202.	0.7	1,451
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20	Self-consistent meta-generalized gradient approximation within the projector-augmented-wave method. Physical Review B, 2011, 84, .	1.1	180
21	Modeling of the cubic and antiferrodistortive phases of SrTiO <sub>3</sub> with screened hybrid functional theory. Physical Review B, 2011, 84, .	1.1	36
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57	Density functionals for surface science: Exchange-correlation model development with Bayesian error estimation. <i>Physical Review B</i> , 2012, 85, .	1.1	1,087
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