

Exchange energy density of an atom as a functional of t

Journal of Chemical Physics

115, 3519-3530

DOI: 10.1063/1.1388047

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Nuclear cusp of the virial exchange energy density for spherical atoms. Journal of Chemical Physics, 2002, 117, 9107-9110. | 1.2 | 1 |
| 2 | Subsystem functionals in density-functional theory: Investigating the exchange energy per particle. Physical Review B, 2002, 66, . | 1.1 | 53 |
| 3 | An accurate MGGA-based hybrid exchange-correlation functional. Journal of Chemical Physics, 2002, 116, 2335-2337. | 1.2 | 20 |
| 4 | RECENT ADVANCES IN ELECTRONIC STRUCTURE THEORY. Journal of Theoretical and Computational Chemistry, 2002, 01, 109-136. | 1.8 | 8 |
| 5 | Regional self-interaction correction of density functional theory. Journal of Computational Chemistry, 2003, 24, 1592-1598. | 1.5 | 51 |
| 6 | Properties of the exchange hole under an appropriate coordinate transformation. Journal of Chemical Physics, 2003, 119, 6457-6464. | 1.2 | 26 |
| 7 | Meta-generalized gradient approximation: Explanation of a realistic nonempirical density functional. Journal of Chemical Physics, 2004, 120, 6898-6911. | 1.2 | 431 |
| 8 | Test of a nonempirical density functional: Short-range part of the van der Waals interaction in rare-gas dimers. Journal of Chemical Physics, 2005, 122, 114102. | 1.2 | 103 |
| 9 | Meta-generalized gradient approximation: non-empirical construction and performance of a density functional. Philosophical Magazine, 2007, 87, 1071-1084. | 0.7 | 11 |
| 10 | Ab-initio simulations of materials using VASP: Density-functional theory and beyond. Journal of Computational Chemistry, 2008, 29, 2044-2078. | 1.5 | 2,717 |
| 11 | Exact-exchange energy density in the gauge of a semilocal density-functional approximation. Physical Review A, 2008, 77, . | 1.0 | 104 |
| 12 | Nonempirical density functionals investigated for jellium: Spin-polarized surfaces, spherical clusters, and bulk linear response. Physical Review B, 2008, 77, . | 1.1 | 26 |
| 14 | Modified regional self-interaction corrected time-dependent density functional theory for core excited-state calculations. Journal of Computational Chemistry, 2009, 30, 2583-2593. | 1.5 | 5 |
| 15 | Workhorse Semilocal Density Functional for Condensed Matter Physics and Quantum Chemistry. Physical Review Letters, 2009, 103, 026403. | 2.9 | 507 |
| 16 | Position-dependent exact-exchange energy for slabs and semi-infinite jellium. Physical Review B, 2009, 80, . | 1.1 | 30 |
| 17 | Gedanken densities and exact constraints in density functional theory. Journal of Chemical Physics, 2014, 140, 18A533. | 1.2 | 82 |
| 18 | Mapping the genome of meta-generalized gradient approximation density functionals: The search for B97M-V. Journal of Chemical Physics, 2015, 142, 074111. | 1.2 | 305 |
| 19 | Kinetic and Exchange Energy Densities near the Nucleus. Computation, 2016, 4, 19. | 1.0 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 20 | Accurate Semilocal Density Functional for Condensed-Matter Physics and Quantum Chemistry. <i>Physical Review Letters</i> , 2016, 117, 073001. | 2.9 | 124 |
| 21 | Accurate excitation energies of molecules and oligomers from a semilocal density functional. <i>Journal of Chemical Physics</i> , 2017, 146, 234102. | 1.2 | 11 |
| 22 | Semilocal exchange hole with an application to range-separated density functionals. <i>Physical Review B</i> , 2017, 95, . | 1.1 | 19 |
| 23 | Exploration of near the origin and the asymptotic behaviors of the Kohn-Sham kinetic energy density for two-dimensional quantum dot systems with parabolic confinement. <i>Journal of Chemical Physics</i> , 2018, 148, 024111. | 1.2 | 0 |
| 24 | Laplacian free and asymptotic corrected semilocal exchange potential applied to the band gap of solids. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19639-19650. | 1.3 | 21 |
| 25 | The Role of the Reduced Laplacian Renormalization in the Kinetic Energy Functional Development. <i>Computation</i> , 2019, 7, 65. | 1.0 | 13 |
| 26 | Replacing hybrid density functional theory: motivation and recent advances. <i>Chemical Society Reviews</i> , 2021, 50, 8470-8495. | 18.7 | 80 |
| 27 | 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. | 0.2 | 0 |
| 28 | Modeling the adsorption of fluorine by a carbon polymer surface. <i>AIP Conference Proceedings</i> , 2022, , . | 0.3 | 0 |