Jing Kong

List of Publications by Year
in descending order

23 papers	5,507 citations	840119 11 h-index	676716 22 g-index
24 all docs	24 docs citations	24 times ranked	6637 citing authors

#	Article	IF	Citations
1	Analyzing cases of significant nondynamic correlation with DFT using the atomic populations of effectively localized electrons. Theoretical Chemistry Accounts, 2022, 141, 1.	0.5	0
2	Model DFT exchange holes and the exact exchange hole: Similarities and differences. Journal of Chemical Physics, 2021, 154, 024101.	1.2	5
3	Correcting the Charge Delocalization Error of Density Functional Theory. Journal of Chemical Theory and Computation, 2021, 17, 4633-4638.	2.3	12
4	Efficient spherical surface integration of Gauss functions in three-dimensional spherical coordinates and the solution for theÂmodified Bessel function of the first kind. Journal of Mathematical Chemistry, 2021, 59, 505-515.	0.7	0
5	Performance of new density functionals of nondynamic correlation on chemical properties. Journal of Chemical Physics, 2019, 150, 204101.	1.2	9
6	An efficient implementation of semi-numerical computation of the Hartree-Fock exchange on the Intel Phi processor. Chemical Physics Letters, 2018, 703, 106-111.	1.2	3
7	Efficient Computation of Exchange Energy Density with Gaussian Basis Functions. Journal of Chemical Theory and Computation, 2017, 13, 2571-2580.	2.3	21
8	Describing a Strongly Correlated Model System with Density Functional Theory. Journal of Physical Chemistry Letters, 2017, 8, 3142-3146.	2.1	9
9	Practical Density Functionals beyond the Overdelocalizationâ€“Underbinding Zero-Sum Game. Journal of Physical Chemistry Letters, 2017, 8, 4314-4318.	2.1	35
10	Optimal Path Search for Recurrence Relation in Cartesian Gaussian Integrals. Journal of Physical Chemistry A, 2016, 120, 10264-10272.	1.1	8
11	Density Functional Model for Nondynamic and Strong Correlation. Journal of Chemical Theory and Computation, 2016, 12, 133-143.	2.3	56
12	Density-functional approach to the three-body dispersion interaction based on the exchange dipole moment. Journal of Chemical Physics, 2015, 143, 084125.	1.2	11
13	Advances in molecular quantum chemistry contained in the Q-Chem 4 program package. Molecular Physics, 2015, 113, 184-215.	0.8	2,561
14	Analyzing effects of strong electron correlation within Kohn-Sham density-functional theory. Physical Review A, 2013, 88, .	1.0	11
15	Ewald mesh method for quantum mechanical calculations. Journal of Chemical Physics, 2012, 136, 114112.	1.2	10
16	Comparison of the performance of exact-exchange-based density functional methods. Journal of Chemical Physics, 2012, 137, 114104.	1.2	33
17	Improved self-consistent and resolution-of-identity approximated Becke'05 density functional model of nondynamic electron correlation. Journal of Chemical Physics, 2012, 136, 034102.	1.2	34
18	Modified Beckeâ€™05 method of nondynamic correlation in density functional theory with self-consistent implementation. Chemical Physics Letters, 2012, 525-526, 150-152.	1.2	13

#	Article	IF	Citations
19	Efficient and accurate numerical integration of exchange-correlation density functionals. Physical Review A, 2011, 84, .	1.0	7
20	Efficient self-consistent DFT calculation of nondynamic correlation based on the B05 method. Chemical Physics Letters, 2010, 493, 381-385.	1.2	34
21	Improved meta-GGA Correlation Functional of the Lap Family. Journal of Chemical Theory and Computation, 2007, 3, 746-754.	2.3	9
22	Advances in methods and algorithms in a modern quantum chemistry program package. Physical Chemistry Chemical Physics, 2006, 8, 3172-3191.	1.3	2,597
23	Fast and accurate Coulomb calculation with Gaussian functions. Journal of Chemical Physics, 2005, 122, 074108.	1.2	28