Jing Kong

List of Publications by Year
in descending order

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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	Advances in methods and algorithms in a modern quantum chemistry program package. Physical Chemistry Chemical Physics, 2006, 8, 3172-3191.	1.3	2,597
2	Advances in molecular quantum chemistry contained in the Q-Chem 4 program package. Molecular Physics, 2015, 113, 184-215.	0.8	2,561
3	Density Functional Model for Nondynamic and Strong Correlation. Journal of Chemical Theory and Computation, 2016, 12, 133-143.	2.3	56
4	Practical Density Functionals beyond the Overdelocalizationâ€“Underbinding Zero-Sum Game. Journal of Physical Chemistry Letters, 2017, 8, 4314-4318.	2.1	35
5	Efficient self-consistent DFT calculation of nondynamic correlation based on the B05 method. Chemical Physics Letters, 2010, 493, 381-385.	1.2	34
6	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
7	Comparison of the performance of exact-exchange-based density functional methods. Journal of Chemical Physics, 2012, 137, 114104.	1.2	33
8	Fast and accurate Coulomb calculation with Gaussian functions. Journal of Chemical Physics, 2005, 122, 074108.	1.2	28
9	Efficient Computation of Exchange Energy Density with Gaussian Basis Functions. Journal of Chemical Theory and Computation, 2017, 13, 2571-2580.	2.3	21
10	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
11	Correcting the Charge Delocalization Error of Density Functional Theory. Journal of Chemical Theory and Computation, 2021, 17, 4633-4638.	2.3	12
12	Analyzing effects of strong electron correlation within Kohn-Sham density-functional theory. Physical Review A, 2013, 88, .	1.0	11
13	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
14	Ewald mesh method for quantum mechanical calculations. Journal of Chemical Physics, 2012, 136, 114112.	1.2	10
15	Improved meta-GGA Correlation Functional of the Lap Family. Journal of Chemical Theory and Computation, 2007, 3, 746-754.	2.3	9
16	Describing a Strongly Correlated Model System with Density Functional Theory. Journal of Physical Chemistry Letters, 2017, 8, 3142-3146.	2.1	9
17	Performance of new density functionals of nondynamic correlation on chemical properties. Journal of Chemical Physics, 2019, 150, 204101.	1.2	9
18	Optimal Path Search for Recurrence Relation in Cartesian Gaussian Integrals. Journal of Physical Chemistry A, 2016, 120, 10264-10272.	1.1	8

#	Article	IF	Citations
19	Efficient and accurate numerical integration of exchange-correlation density functionals. Physical Review A, 2011, 84, .	1.0	7
20	Model DFT exchange holes and the exact exchange hole: Similarities and differences. Journal of Chemical Physics, 2021, 154, 024101.	1.2	5
21	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
22	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
23	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