Matthew B Goldey

List of Publications by Year
in descending order

17	3,592	623734 14	888059 17
papers	citations	h-index	g-index

17	17	17	4449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in molecular quantum chemistry contained in the Q-Chem 4 program package. Molecular Physics, 2015, 113, 184-215.	1.7	2,561
2	Software for the frontiers of quantum chemistry: An overview of developments in the Q-Chem 5 package. Journal of Chemical Physics, 2021, 155, 084801.	3.0	518
3	Beyond Energies: Geometries of Nonbonded Molecular Complexes as Metrics for Assessing Electronic Structure Approaches. Journal of Chemical Theory and Computation, 2015, 11, 1481-1492.	5.3	90
4	Restricted active space spin-flip configuration interaction: Theory and examples for multiple spin flips with odd numbers of electrons. Journal of Chemical Physics, 2012, 137, 164110.	3.0	69
5	Restricted active space spin-flip (RAS-SF) with arbitrary number of spin-flips. Physical Chemistry Chemical Physics, 2013, 15, 358-366.	2.8	64
6	Attenuated second-order MÃ¸llerâ€“Plesset perturbation theory: performance within the aug-cc-pVTZ basis. Physical Chemistry Chemical Physics, 2013, 15, 15869.	2.8	44
7	A Quasidegenerate Second-Order Perturbation Theory Approximation to RAS-nSF for Excited States and Strong Correlations. Journal of Chemical Theory and Computation, 2014, 10, 589-599.	5.3	44
8	Attenuating Away the Errors in Inter- and Intramolecular Interactions from Second-Order MÃ¸llerâ€“Plesset Calculations in the Small Aug-cc-pVDZ Basis Set. Journal of Physical Chemistry Letters, 2012, 3, 3592-3598.	4.6	34
9	Defect States and Charge Transport in Quantum Dot Solids. Chemistry of Materials, 2017, 29, 1255-1262.	6.7	33
10	Charge Transport in Nanostructured Materials: Implementation and Verification of Constrained Density Functional Theory. Journal of Chemical Theory and Computation, 2017, 13, 2581-2590.	5.3	33
11	Intra-molecular Charge Transfer and Electron Delocalization in Non-fullerene Organic Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 10043-10052.	8.0	24
12	Planarity and multiple components promote organic photovoltaic efficiency by improving electronic transport. Physical Chemistry Chemical Physics, 2016, 18, 31388-31399.	2.8	18
13	Attenuated MP2 with a Long-Range Dispersion Correction for Treating Nonbonded Interactions. Journal of Chemical Theory and Computation, 2015, 11, 4159-4168.	5.3	17
14	Achieving High-Accuracy Intermolecular Interactions by Combining Coulomb-Attenuated Second-Order MÃ¸llerâ€“Plesset Perturbation Theory with Coupled Kohnâ€“Sham Dispersion. Journal of Chemical Theory and Computation, 2014, 10, 2054-2063.	5.3	14
15	Separate Electronic Attenuation Allowing a Spin-Component-Scaled Second-Order MÃ¸llerâ€“Plesset Theory to Be Effective for Both Thermochemistry and Noncovalent Interactions. Journal of Physical Chemistry B, 2014, 118, 6519-6525.	2.6	14
16	Shared memory multiprocessing implementation of resolution-of-the-identity second-order MÃ¸llerâ€“Plesset perturbation theory with attenuated and unattenuated results for intermolecular interactions between large molecules. Molecular Physics, 2014, 112, 836-843.	1.7	10
17	Convergence of attenuated second order MÃ¸llerâ€“Plesset perturbation theory towards the complete basis set limit. Chemical Physics Letters, 2014, 608, 249-254.	2.6	5