

Matthew B Goldey

List of Publications by Year in descending order

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17
papers

3,592
citations

623188

14
h-index

887659

17
g-index

17
all docs

17
docs citations

17
times ranked

4449
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in molecular quantum chemistry contained in the Q-Chem 4 program package. <i>Molecular Physics</i> , 2015, 113, 184-215.	0.8	2,561
2	Software for the frontiers of quantum chemistry: An overview of developments in the Q-Chem 5 package. <i>Journal of Chemical Physics</i> , 2021, 155, 084801.	1.2	518
3	Beyond Energies: Geometries of Nonbonded Molecular Complexes as Metrics for Assessing Electronic Structure Approaches. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 1481-1492.	2.3	90
4	Restricted active space spin-flip configuration interaction: Theory and examples for multiple spin flips with odd numbers of electrons. <i>Journal of Chemical Physics</i> , 2012, 137, 164110.	1.2	69
5	Restricted active space spin-flip (RAS-SF) with arbitrary number of spin-flips. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 358-366.	1.3	64
6	Attenuated second-order Møller-Plesset perturbation theory: performance within the aug-cc-pVTZ basis. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15869.	1.3	44
7	A Quasidegenerate Second-Order Perturbation Theory Approximation to RAS-nSF for Excited States and Strong Correlations. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 589-599.	2.3	44
8	Attenuating Away the Errors in Inter- and Intramolecular Interactions from Second-Order Møller-Plesset Calculations in the Small Aug-cc-pVDZ Basis Set. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3592-3598.	2.1	34
9	Defect States and Charge Transport in Quantum Dot Solids. <i>Chemistry of Materials</i> , 2017, 29, 1255-1262.	3.2	33
10	Charge Transport in Nanostructured Materials: Implementation and Verification of Constrained Density Functional Theory. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 2581-2590.	2.3	33
11	Intra-molecular Charge Transfer and Electron Delocalization in Non-fullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10043-10052.	4.0	24
12	Planarity and multiple components promote organic photovoltaic efficiency by improving electronic transport. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31388-31399.	1.3	18
13	Attenuated MP2 with a Long-Range Dispersion Correction for Treating Nonbonded Interactions. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 4159-4168.	2.3	17
14	Achieving High-Accuracy Intermolecular Interactions by Combining Coulomb-Attenuated Second-Order Møller-Plesset Perturbation Theory with Coupled Kohn-Sham Dispersion. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 2054-2063.	2.3	14
15	Separate Electronic Attenuation Allowing a Spin-Component-Scaled Second-Order Møller-Plesset Theory to Be Effective for Both Thermochemistry and Noncovalent Interactions. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6519-6525.	1.2	14
16	Shared memory multiprocessing implementation of resolution-of-the-identity second-order Møller-Plesset perturbation theory with attenuated and unattenuated results for intermolecular interactions between large molecules. <i>Molecular Physics</i> , 2014, 112, 836-843.	0.8	10
17	Convergence of attenuated second order Møller-Plesset perturbation theory towards the complete basis set limit. <i>Chemical Physics Letters</i> , 2014, 608, 249-254.	1.2	5