George A Petersson

List of Publications by Year
in descending order

21 papers	1,190 citations	623188 14 h-index	713013 21 g-index
21 all docs	21 docs citations	21 times ranked	1497 citing authors

#	Article	IF	Citations
1	A Bond-Energy/Bond-Order and Populations Relationship. Journal of Chemical Theory and Computation, 2022, 18, 4774-4794.	2.3	5
2	Three-Body Dispersion Corrections to the Spherical Atom Model: The PFD-3B Density Functional. Journal of Physical Chemistry A, 2020, 124, 10296-10311.	1.1	4
3	Improving the fluorescent probe acridonylalanine through a combination of theory and experiment. Journal of Physical Organic Chemistry, 2018, 31, e3813.	0.9	15
4	UV Photolysis of Pyrazine and the Production of Hydrogen Isocyanide. Journal of Physical Chemistry A, 2018, 122, 9001-9013.	1.1	6
5	Î³-Ionylidene-type sesquiterpenoids possessing antimicrobial activity against Porphyromonas gingivalis from Ph ellinus linteus and their absolute structure determination. Journal of Antibiotics, 2017, 70, 695-698.	1.0	13
6	Iminimycin A, the new iminium metabolite produced by Streptomyces griseus OS-3601. Journal of Antibiotics, 2016, 69, 611-615.	1.0	17
7	Core-core and core-valence correlation energy atomic and molecular benchmarks for Li through Ar. Journal of Chemical Physics, 2015, 143, 214110.	1.2	19
8	A density functional for core-valence correlation energy. Journal of Chemical Physics, 2015, 143, 214111.	1.2	9
9	CCSD(T)/CBS atomic and molecular benchmarks for H through Ar. Journal of Chemical Physics, 2013, 138, 144104.	1.2	62
10	A Density Functional with Spherical Atom Dispersion Terms. Journal of Chemical Theory and Computation, 2012, 8, 4989-5007.	2.3	463
11	MP2/CBS atomic and molecular benchmarks for H through Ar. Journal of Chemical Physics, 2010, 132, 114111.	1.2	19
12	Intramolecular Nonbonded Attractive Interactions: 1-Substituted Propenes. Journal of Chemical Theory and Computation, 2009, 5, 1033-1037.	2.3	21
13	Unrestricted Coupled Cluster and Brueckner Doubles Variations of W1 Theory. Journal of Chemical Theory and Computation, 2009, 5, 2687-2693.	2.3	232
14	Uniformly convergent n-tuple-Î¶ augmented polarized (nZaP) basis sets for complete basis set extrapolations. I. Self-consistent field energies. Journal of Chemical Physics, 2008, 129, 184116.	1.2	118
15	The convergence of complete active space self-consistent-field configuration interaction including all single and double excitation energies to the complete basis set limit. Journal of Chemical Physics, 2006, 125, 044107.	1.2	3
16	The convergence of complete active space self-consistent-field energies to the complete basis set limit. Journal of Chemical Physics, 2005, 123, 074111.	1.2	19
17	On the optimization of Gaussian basis sets. Journal of Chemical Physics, 2003, 118, 1101-1109.	1.2	61
18	An overlap criterion for selection of core orbitals. Theoretical Chemistry Accounts, 2002, 107, 180-186.	0.5	16

#	Article	IF	Citations
19	Perspective on "The activated complex in chemical reactions". Theoretical Chemistry Accounts, 2000, 103, 190-195.	0.5	29
20	A Journey from Generalized Valence Bond Theory to the Full CI Complete Basis Set Limit. Journal of Physical Chemistry A, 2000, 104, 2183-2190.	1.1	37
21	Complete Basis-Set Thermochemistry and Kinetics. ACS Symposium Series, 1998, , 237-266.	0.5	22