Yingbin Ge

List of Publications by Year
in descending order

23 papers	357 citations	1040056 9 h-index	794594 19 g-index
23 all docs	23 docs citations	23 times ranked	337 citing authors

#	Article	IF	Citations
1	Can C_P Be Less Than C_V?. ACS Omega, 2021, 6, 11083-11085.	3.5	2
2	Tools for Prescreening the Most Active Sites on Ir and Rh Clusters toward Câ€“H Bond Cleavage of Ethane: NBO Charges and Wiberg Bond Indexes. ACS Omega, 2019, 4, 18809-18819.	3.5	10
3	Comment on â€œQuirks of Stirlingâ€™s Approximationâ€. Journal of Chemical Education, 2018, 95, 686-688.	2.3	0
4	On Teaching Molecular Term Symbols: From the Atomic Term Symbols in a Two-Dimensional World to the Molecular Term Symbols in a Three-Dimensional World. Journal of Chemical Education, 2018, 95, 1682-1683.	2.3	1
5	Agreement, Complement, and Disagreement to â€œWhy Are Some Reactions Slower at Higher Temperatures?â€. Journal of Chemical Education, 2017, 94, 821-823.	2.3	3
6	Let Students Derive, by Themselves, Two-Dimensional Atomic and Molecular Quantum Chemistry from Scratch. Journal of Chemical Education, 2016, 93, 2033-2039.	2.3	7
7	Size and Site Dependence of the Catalytic Activity of Iridium Clusters toward Ethane Dehydrogenation. Journal of Physical Chemistry A, 2016, 120, 9500-9508.	2.5	6
8	Assessing density functionals for the prediction of thermochemistry of Tiâ€“Oâ€“Cl species. Journal of Theoretical and Computational Chemistry, 2015, 14, 1550055.	1.8	2
9	Using a Spreadsheet To Solve the SchrÃ¶dinger Equations for the Energies of the Ground Electronic State and the Two Lowest Excited States of H₂. Journal of Chemical Education, 2014, 91, 853-859.	2.3	9
10	A B3LYP study on the Câ€“H activation in propane by neutral and +1 charged low-energy platinum clusters with 2â€“6 atoms. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 315-333.	1.7	9
11	Theoretical calculations on the hydrogen elimination of ethene with chemical accuracy. Computational and Theoretical Chemistry, 2011, 978, 57-66.	2.5	3
12	Theoretical Study of the Pyrolysis of Methyltrichlorosilane in the Gas Phase. 3. Reaction Rate Constant Calculations. Journal of Physical Chemistry A, 2010, 114, 2384-2392.	2.5	60
13	Low-Energy Structures of Ligand Passivated Si Nanoclusters:â€‰ Theoretical Investigation of Si₂L₄ and Si₁₀L₁₆ (L = H, CH₃, OH, and F). Journal of Physical Chemistry C, 2008, 112, 1819-1824.	3.1	2
14	Breaking Bonds of Open-Shell Species with the Restricted Open-Shell Size Extensive Left Eigenstate Completely Renormalized Coupled-Cluster Method. Journal of Physical Chemistry A, 2008, 112, 11873-11884.	2.5	28
15	Breaking bonds with the left eigenstate completely renormalized coupled-cluster method. Journal of Chemical Physics, 2007, 127, 174106.	3.0	63
16	Theoretical Study of the Pyrolysis of Methyltrichlorosilane in the Gas Phase. 2. Reaction Paths and Transition States. Journal of Physical Chemistry A, 2007, 111, 1475-1486.	2.5	46
17	Theoretical Study of the Pyrolysis of Methyltrichlorosilane in the Gas Phase. 1. Thermodynamics. Journal of Physical Chemistry A, 2007, 111, 1462-1474.	2.5	43
18	The Potential Energy Surface of the H2O2 System. AIP Conference Proceedings, 2006, , .	0.4	7

#	Article	IF	Citations
19	Ligand effects on Si_xL_ycluster structures with Lâ€‰=â€‰H and F. Molecular Physics, 2005, 103, 1035-1045.	1.7	4
20	Fast global optimization of SixHy clusters: new mutation operators in the cluster genetic algorithm. Chemical Physics Letters, 2004, 398, 107-112.	2.6	11
21	Global Optimization of H-Passivated Si Clusters at the Ab Initio Level via the GAM1 Semiempirical Method. Journal of Physical Chemistry B, 2004, 108, 6025-6034.	2.6	12
22	Global optimization of SixHy at the ab initio level via an iteratively parametrized semiempirical method. International Journal of Quantum Chemistry, 2003, 95, 617-626.	2.0	12
23	Global Optimization of H-Passivated Si Clusters with a Genetic Algorithm. Journal of Physical Chemistry B, 2002, 106, 6997-7004.	2.6	17