Zoltn Rolik

List of Publications by Citations

16 papers	995 citations	11 h-index	18 g-index
18 ext. papers	1,113 ext. citations	3.4 avg, IF	4.18 L-index

#	Paper	IF	Citations
16	An efficient linear-scaling CCSD(T) method based on local natural orbitals. *Journal of Chemical Physics*, **2013**, 139, 094105	3.9	294
15	A general-order local coupled-cluster method based on the cluster-in-molecule approach. *Journal of Chemical Physics*, **2011**, 135, 104111	3.9	160
14	The MRCC program system: Accurate quantum chemistry from water to proteins. *Journal of Chemical Physics*, **2020**, 152, 074107	3.9	125
13	High-accuracy thermochemistry of atmospherically important fluorinated and chlorinated methane derivatives. *Journal of Physical Chemistry A*, **2010**, 114, 13093-103	2.8	79
12	On the perturbation of multiconfiguration wave functions. *Journal of Chemical Physics*, **2003**, 119, 1922-1928	3.9	77
11	Comparison of low-order multireference many-body perturbation theories. *Journal of Chemical Physics*, **2005**, 122, 134105	3.9	58
10	Multiconfiguration perturbation theory: size consistency at second order. *Journal of Chemical Physics*, **2005**, 122, 114104	3.9	49
9	Comparative study of multireference perturbative theories for ground and excited states. *Journal of Chemical Physics*, **2009**, 131, 204104	3.9	48
8	High-accuracy theoretical thermochemistry of atmospherically important sulfur-containing molecules. *Journal of Physical Chemistry A*, **2011**, 115, 7823-33	2.8	32
7	Cost reduction of high-order coupled-cluster methods via active-space and orbital transformation techniques. *Journal of Chemical Physics*, **2011**, 134, 124111	3.9	25
6	A sparse matrix based full-configuration interaction algorithm. *Journal of Chemical Physics*, **2008**, 128, 144101	3.9	24
5	A quasiparticle-based multi-reference coupled-cluster method. *Journal of Chemical Physics*, **2014**, 141, 134112	3.9	9
4	Frozen localized molecular orbitals in electron correlation calculations Exploiting the HartreeFock density matrix. *Chemical Physics Letters*, **2008**, 450, 400-403	2.5	6
3	Multipartitioning MllerPlesset perturbation theory: Size-extensivity at third order and symmetry conservation. *International Journal of Quantum Chemistry*, **2009**, 109, 2554-2563	2.1	5
2	Novel strategy to implement active-space coupled-cluster methods. *Journal of Chemical Physics*, **2018**, 148, 124108	3.9	2
1	A second-order multi-reference quasiparticle-based perturbation theory. *Theoretical Chemistry Accounts*, **2015**, 134, 1	1.9	1