

Terutaka Yoshizawa

List of Publications by Year in descending order

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13
papers

162
citations

1040056

9
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

106
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculations of electric dipole moments and static dipole polarizabilities based on the two-component normalized elimination of the small component method. <i>Journal of Chemical Physics</i> , 2016, 145, 184104.	3.0	27
2	Calculations of atomic magnetic nuclear shielding constants based on the two-component normalized elimination of the small component method. <i>Journal of Chemical Physics</i> , 2017, 146, 134109.	3.0	27
3	Calculations of nuclear magnetic shielding constants based on the exact two-component relativistic method. <i>Journal of Chemical Physics</i> , 2017, 147, 154104.	3.0	18
4	Relativistic and electron correlation effects on magnetizabilities investigated by the Douglas-Kroll-Hess method and the second-order Møller-Plesset perturbation theory. <i>Journal of Computational Chemistry</i> , 2009, 30, 2550-2566.	3.3	15
5	Calculations of frequency-dependent molecular magnetizabilities with quasi-relativistic time-dependent generalized unrestricted Hartree-Fock method. <i>Journal of Computational Chemistry</i> , 2007, 28, 740-747.	3.3	12
6	Second-order generalized unrestricted Møller-Plesset perturbation theory for the spin-orbit part of zero-field splitting tensors. <i>Chemical Physics Letters</i> , 2011, 515, 296-301.	2.6	12
7	NMR shielding constants of CuX, AgX, and AuX (X = F, Cl, Br, and I) investigated by density functional theory based on the Douglas-Kroll-Hess Hamiltonian. <i>Journal of Computational Chemistry</i> , 2013, 34, 1013-1023.	3.3	11
8	Calculation of contact densities and Mössbauer isomer shifts utilising the Dirac-exact two-component normalised elimination of the small component (2c-NESC) method. <i>Molecular Physics</i> , 2019, 117, 1164-1171.	1.7	10
9	On the development of the exact two-component relativistic method for calculating indirect NMR spin-spin coupling constants. <i>Chemical Physics</i> , 2019, 518, 112-122.	1.9	9
10	A new computational scheme for the spin-orbit part of zero-field splitting tensor. <i>Chemical Physics Letters</i> , 2012, 549, 108-112.	2.6	8
11	The Douglas-Kroll-Hess method based on vector-potential-including Foldy-Wouthuysen transformation: Application to NMR shielding tensor. <i>Chemical Physics Letters</i> , 2013, 580, 145-151.	2.6	7
12	Gauge-origin dependence of NMR shielding constants in the Douglas-Kroll-Hess method. <i>Chemical Physics Letters</i> , 2015, 618, 132-141.	2.6	5
13	A mathematical discussion of Pons Viver's implementation of L'wdin's spin projection operator. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26215.	2.0	1