Yoh Yamamoto

List of Publications by Year
in descending order

25 papers	556 citations	687363 13 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	350 citing authors

#	Article	IF	Citations
1	Franckâ€“Condon Blockade in a Single-Molecule Transistor. Nano Letters, 2014, 14, 3191-3196.	9.1	102
2	A step in the direction of resolving the paradox of Perdew-Zunger self-interaction correction. Journal of Chemical Physics, 2019, 151, 214108.	3.0	56
3	Stretched or noded orbital densities and self-interaction correction in density functional theory. Journal of Chemical Physics, 2019, 150, 174102.	3.0	46
4	Fermi-LÃ¶wdin orbital self-interaction correction using the strongly constrained and appropriately normed meta-GGA functional. Journal of Chemical Physics, 2019, 151, 154105.	3.0	38
5	Fermi-LÃ¶wdin orbital self-interaction correction to magnetic exchange couplings. Journal of Chemical Physics, 2018, 149, 164101.	3.0	33
6	Importance of self-interaction-error removal in density functional calculations on water cluster anions. Physical Chemistry Chemical Physics, 2020, 22, 3789-3799.	2.8	32
7	The effect of self-interaction error on electrostatic dipoles calculated using density functional theory. Journal of Chemical Physics, 2019, 151, 174106.	3.0	29
8	Self-interaction-free electric dipole polarizabilities for atoms and their ions using the Fermi-LÃ¶wdin self-interaction correction. Physical Review A, 2019, 100, .	2.5	27
9	Improvements in the orbitalwise scaling down of Perdewâ€“Zunger self-interaction correction in many-electron regions. Journal of Chemical Physics, 2020, 152, 174112.	3.0	23
10	A step in the direction of resolving the paradox of Perdewâ€“Zunger self-interaction correction. II. Gauge consistency of the energy density at three levels of approximation. Journal of Chemical Physics, 2020, 152, 214109.	3.0	23
11	Study of self-interaction errors in density functional predictions of dipole polarizabilities and ionization energies of water clusters using Perdewâ€“Zunger and locally scaled self-interaction corrected methods. Journal of Chemical Physics, 2020, 153, 164304.	3.0	21
12	Analytic atomic gradients in the fermiâ€¦Ã¶wdin orbital selfâ€¦interaction correction. Journal of Computational Chemistry, 2019, 40, 820-825.	3.3	16
13	Local self-interaction correction method with a simple scaling factor. Physical Chemistry Chemical Physics, 2021, 23, 2406-2418.	2.8	14
14	Electron-vibron coupling effects on electron transport via a single-molecule magnet. Physical Review B, 2015, 91, .	3.2	13
15	Static dipole polarizabilities of polyacenes using self-interaction-corrected density functional approximations. Journal of Chemical Physics, 2021, 154, 114305.	3.0	12
16	Exploring and enhancing the accuracy of interior-scaled Perdewâ€“Zunger self-interaction correction. Journal of Chemical Physics, 2021, 154, 094105.	3.0	12
17	Electronic structure of mononuclear Cu-based molecule from density-functional theory with self-interaction correction. Journal of Chemical Physics, 2021, 155, 014106.	3.0	12
18	Study of self-interaction-errors in barrier heights using locally scaled and Perdewâ€“Zunger self-interaction methods. Journal of Chemical Physics, 2022, 156, 014306.	3.0	12

#	Article	IF	Citations
19	Zn(II)-Porphyrinâ€“Squaraine Dyads as Potential Components for Dye-Sensitized Solar Cells: A Quantum Chemical Study of Optical and Charge Transport Properties. Journal of Physical Chemistry C, 2020, 124, 12968-12981.	3.1	9
20	Self-interaction-corrected Kohnâ€“Sham effective potentials using the density-consistent effective potential method. Journal of Chemical Physics, 2021, 155, 064109.	3.0	8
21	Assessing the effect of regularization on the molecular properties predicted by SCAN and self-interaction corrected SCAN meta-GGA. Physical Chemistry Chemical Physics, 2020, 22, 18060-18070.	2.8	6
22	Study of Self-Interaction Errors in Density Functional Calculations of Magnetic Exchange Coupling Constants Using Three Self-Interaction Correction Methods. Journal of Physical Chemistry A, 2022, 126, 1923-1935.	2.5	6
23	Metastability for the Blume-Capel model with distribution of magnetic anisotropy using different dynamics. Physical Review E, 2013, 88, 012110.	2.1	3
24	Electronic structure calculation of vanadiumâ€and scandiumâ€based endohedral fullerenes VSc₂N@C_{2n} (2n = 70, 76, 78, 80). International Journal of Quantum Chemistry, 2018, 118, e25785.	2.0	2
25	Effect of the size distribution of magnetic nanoparticles on metastability in magnetization relaxation. Physical Review B, 2011, 84, .	3.2	1