

Yoh Yamamoto

List of Publications by Year in descending order

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papers

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687363

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#	ARTICLE	IF	CITATIONS
1	Study of self-interaction-errors in barrier heights using locally scaled and Perdew's Zunger self-interaction methods. <i>Journal of Chemical Physics</i> , 2022, 156, 014306.	3.0	12
2	Study of Self-Interaction Errors in Density Functional Calculations of Magnetic Exchange Coupling Constants Using Three Self-Interaction Correction Methods. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1923-1935.	2.5	6
3	Local self-interaction correction method with a simple scaling factor. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2406-2418.	2.8	14
4	Static dipole polarizabilities of polyacenes using self-interaction-corrected density functional approximations. <i>Journal of Chemical Physics</i> , 2021, 154, 114305.	3.0	12
5	Exploring and enhancing the accuracy of interior-scaled Perdew's Zunger self-interaction correction. <i>Journal of Chemical Physics</i> , 2021, 154, 094105.	3.0	12
6	Electronic structure of mononuclear Cu-based molecule from density-functional theory with self-interaction correction. <i>Journal of Chemical Physics</i> , 2021, 155, 014106.	3.0	12
7	Self-interaction-corrected Kohn-Sham effective potentials using the density-consistent effective potential method. <i>Journal of Chemical Physics</i> , 2021, 155, 064109.	3.0	8
8	Importance of self-interaction-error removal in density functional calculations on water cluster anions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3789-3799.	2.8	32
9	Assessing the effect of regularization on the molecular properties predicted by SCAN and self-interaction corrected SCAN meta-GGA. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18060-18070.	2.8	6
10	Study of self-interaction errors in density functional predictions of dipole polarizabilities and ionization energies of water clusters using Perdew's Zunger and locally scaled self-interaction corrected methods. <i>Journal of Chemical Physics</i> , 2020, 153, 164304.	3.0	21
11	Improvements in the orbitalwise scaling down of Perdew's Zunger self-interaction correction in many-electron regions. <i>Journal of Chemical Physics</i> , 2020, 152, 174112.	3.0	23
12	A step in the direction of resolving the paradox of Perdew's Zunger self-interaction correction. II. Gauge consistency of the energy density at three levels of approximation. <i>Journal of Chemical Physics</i> , 2020, 152, 214109.	3.0	23
13	Zn(II)-Porphyrin-Squaraine Dyads as Potential Components for Dye-Sensitized Solar Cells: A Quantum Chemical Study of Optical and Charge Transport Properties. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12968-12981.	3.1	9
14	Self-interaction-free electric dipole polarizabilities for atoms and their ions using the Fermi-Löwdin self-interaction correction. <i>Physical Review A</i> , 2019, 100, .	2.5	27
15	The effect of self-interaction error on electrostatic dipoles calculated using density functional theory. <i>Journal of Chemical Physics</i> , 2019, 151, 174106.	3.0	29
16	Stretched or noded orbital densities and self-interaction correction in density functional theory. <i>Journal of Chemical Physics</i> , 2019, 150, 174102.	3.0	46
17	Fermi-Löwdin orbital self-interaction correction using the strongly constrained and appropriately normed meta-GGA functional. <i>Journal of Chemical Physics</i> , 2019, 151, 154105.	3.0	38
18	A step in the direction of resolving the paradox of Perdew-Zunger self-interaction correction. <i>Journal of Chemical Physics</i> , 2019, 151, 214108.	3.0	56

#	ARTICLE	IF	CITATIONS
19	Analytic atomic gradients in the fermi-LÅwdin orbital self-Interaction correction. Journal of Computational Chemistry, 2019, 40, 820-825.	3.3	16
20	Electronic structure calculation of vanadium- and scandium-based endohedral fullerenes $VSc_2N@C_{2n}$ ($2n = 70, 76, 78, 80$). International Journal of Quantum Chemistry, 2018, 118, e25785.	2.0	2
21	Fermi-LÅwdin orbital self-interaction correction to magnetic exchange couplings. Journal of Chemical Physics, 2018, 149, 164101.	3.0	33
22	Electron-vibron coupling effects on electron transport via a single-molecule magnet. Physical Review B, 2015, 91, .	3.2	13
23	Franck-Condon Blockade in a Single-Molecule Transistor. Nano Letters, 2014, 14, 3191-3196.	9.1	102
24	Metastability for the Blume-Capel model with distribution of magnetic anisotropy using different dynamics. Physical Review E, 2013, 88, 012110.	2.1	3
25	Effect of the size distribution of magnetic nanoparticles on metastability in magnetization relaxation. Physical Review B, 2011, 84, .	3.2	1