

Yoh Yamamoto

List of Publications by Year in descending order

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papers

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687220

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#	ARTICLE	IF	CITATIONS
1	Study of self-interaction-errors in barrier heights using locally scaled and Perdew-Zunger self-interaction methods. <i>Journal of Chemical Physics</i> , 2022, 156, 014306.	1.2	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.	1.1	6
3	Local self-interaction correction method with a simple scaling factor. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2406-2418.	1.3	14
4	Static dipole polarizabilities of polyacenes using self-interaction-corrected density functional approximations. <i>Journal of Chemical Physics</i> , 2021, 154, 114305.	1.2	12
5	Exploring and enhancing the accuracy of interior-scaled Perdew-Zunger self-interaction correction. <i>Journal of Chemical Physics</i> , 2021, 154, 094105.	1.2	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.	1.2	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.	1.2	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.	1.3	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.	1.3	6
10	Study of self-interaction errors in density functional predictions of dipole polarizabilities and ionization energies of water clusters using Perdew-Zunger and locally scaled self-interaction corrected methods. <i>Journal of Chemical Physics</i> , 2020, 153, 164304.	1.2	21
11	Improvements in the orbitalwise scaling down of Perdew-Zunger self-interaction correction in many-electron regions. <i>Journal of Chemical Physics</i> , 2020, 152, 174112.	1.2	23
12	A step in the direction of resolving the paradox of Perdew-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.	1.2	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.	1.5	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, .	1.0	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.	1.2	29
16	Stretched or noded orbital densities and self-interaction correction in density functional theory. <i>Journal of Chemical Physics</i> , 2019, 150, 174102.	1.2	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.	1.2	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.	1.2	56

#	ARTICLE	IF	CITATIONS
19	Analytic atomic gradients in the fermi-LÅwdin orbital self-Interaction correction. Journal of Computational Chemistry, 2019, 40, 820-825.	1.5	16
20	Electronic structure calculation of vanadium- and scandium-based endohedral fullerenes VSc ₂ N@C _{2<i>n</i>} (2 <i>n</i> = 70, 76, 78, 80). International Journal of Quantum Chemistry, 2018, 118, e25785.	1.0	2
21	Fermi-LÅwdin orbital self-interaction correction to magnetic exchange couplings. Journal of Chemical Physics, 2018, 149, 164101.	1.2	33
22	Electron-vibron coupling effects on electron transport via a single-molecule magnet. Physical Review B, 2015, 91, .	1.1	13
23	Franck-Condon Blockade in a Single-Molecule Transistor. Nano Letters, 2014, 14, 3191-3196.	4.5	102
24	Metastability for the Blume-Capel model with distribution of magnetic anisotropy using different dynamics. Physical Review E, 2013, 88, 012110.	0.8	3
25	Effect of the size distribution of magnetic nanoparticles on metastability in magnetization relaxation. Physical Review B, 2011, 84, .	1.1	1