Cristopher Camacho

List of Publications by Year
in descending order

18 papers	1,372 citations	687363 13 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	1869 citing authors

#	Article	IF	Citations
1	DFTB+, a software package for efficient approximate density functional theory based atomistic simulations. Journal of Chemical Physics, 2020, 152, 124101.	3.0	589
2	A Ï€-Conjugated System with Flexibility and Rigidity That Shows Environment-Dependent RGB Luminescence. Journal of the American Chemical Society, 2013, 135, 8842-8845.	13.7	191
3	Dimerization-Initiated Preferential Formation of Coronene-Based Graphene Nanoribbons in Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 15141-15145.	3.1	87
4	Hybridization of a Flexible Cyclooctatetraene Core and Rigid Aceneimide Wings for Multiluminescent Flapping Ï€ Systems. Chemistry - A European Journal, 2014, 20, 2193-2200.	3.3	82
5	Origin of the size-dependent fluorescence blueshift in [n]cycloparaphenylenes. Chemical Science, 2013, 4, 187-195.	7.4	79
6	Infrared absorption of methanol clusters (CH3OH)n with n = 2â^'6 recorded with a time-of-flight mass spectrometer using infrared depletion and vacuum-ultraviolet ionization. Journal of Chemical Physics, 2011, 134, 144309.	3.0	73
7	Constraint-induced structural deformation of planarized triphenylboranes in the excited state. Chemical Science, 2014, 5, 1296-1304.	7.4	54
8	Intruder states in multireference perturbation theory: The ground state of manganese dimer. Journal of Computational Chemistry, 2009, 30, 468-478.	3.3	41
9	Multireference perturbation theory can predict a false ground state. Physical Chemistry Chemical Physics, 2010, 12, 5058.	2.8	39
10	Quantum Dynamics Simulations Reveal Vibronic Effects on the Optical Properties of [n]Cycloparaphenylenes. Journal of Chemical Theory and Computation, 2014, 10, 4025-4036.	5.3	32
11	The low-lying states of the scandium dimer. Journal of Chemical Physics, 2010, 132, 244306.	3.0	30
12	FORMATION AND IDENTIFICATION OF INTERSTELLAR MOLECULE LINEAR C₅H FROM PHOTOLYSIS OF METHANE DISPERSED IN SOLID NEON. Astrophysical Journal, 2009, 701, 8-11.	4.5	28
13	Choosing a proper complete active space in calculations for transition metal dimers: ground state of Mn2 revisited. Physical Chemistry Chemical Physics, 2008, 10, 5128.	2.8	27
14	Theoretical Prediction and Analysis of the UV/Visible Absorption and Emission Spectra of Chiral Carbon Nanorings. Journal of Physical Chemistry A, 2018, 122, 7284-7292.	2.5	8
15	Reply to the â€˜Comment on â€œMulticonfigurational perturbation theory can predict a false ground stateâ€â€™ by J. Soto, F. Avila, J. C. Otero and J. F. Arenas, Phys. Chem. Chem. Phys., 2011, DOI: 10.1039/C0CP01917H. Physical Chemistry Chemical Physics, 2011, 13, 7232.	2.8	4
16	Theoretical Interpretation of the UVâ^'vis Spectrum of the CS₂/Cl Complex in the Spectral Region 320â^'550 nm. Journal of Physical Chemistry A, 2010, 114, 11008-11016.	2.5	2
17	Dopant-Free Hole-Transport Materials with Germanium Compounds Bearing Pseudohalide and Chalcogenide Moieties for Perovskite Solar Cells. Inorganic Chemistry, 2020, 59, 15154-15166.	4.0	2
18	The polarisability potential as a steric index. Journal of Physical Organic Chemistry, 2010, 23, 955-959.	1.9	0