J Martin Del Campo

List of Publications by Year
in descending order

28 papers	1,320 citations	687363 13 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	1569 citing authors

#	Article	IF	Citations
1	Wettability of graphene oxide functionalized with N-alkylamines: a molecular dynamics study. Physical Chemistry Chemical Physics, 2022, 24, 11412-11419.	2.8	6
2	Understanding the unusual stiffness of hydrophobic dipeptide crystals. Physical Chemistry Chemical Physics, 2021, 23, 11931-11936.	2.8	4
3	Resolution of the identity approximation applied to PNOF correlation calculations. Journal of Chemical Physics, 2021, 154, 064102.	3.0	11
4	Self-Consistent Auxiliary Density Perturbation Theory. Journal of Chemical Theory and Computation, 2021, 17, 6934-6946.	5.3	6
5	NWChem: Past, present, and future. Journal of Chemical Physics, 2020, 152, 184102.	3.0	425
6	Asymmetric Density Fitting with Modified Cholesky Decomposition Applied to Second-Order Electron Propagator. Journal of Chemical Theory and Computation, 2020, 16, 1597-1605.	5.3	6
7	Asmic Isocyanideâ€Nitrile Isomerizationâ€Alkylations. European Journal of Organic Chemistry, 2019, 2019, 4644-4648.	2.4	7
8	Asmic: An Exceptional Building Block for Isocyanide Alkylations. Organic Letters, 2018, 20, 5910-5913.	4.6	9
9	Substrate Specificity and Leaving Group Effect in Ester Cleavage by Metal Complexes of an Oximate Nucleophile. Inorganic Chemistry, 2017, 56, 2060-2069.	4.0	5
10	A PW91-like exchange with a simple analytical form. Chemical Physics Letters, 2016, 651, 268-273.	2.6	16
11	Copper Coordination Features of Human Islet Amyloid Polypeptide: The Type 2 Diabetes Peptide. Inorganic Chemistry, 2016, 55, 10727-10740.	4.0	29
12	B88 exchange functional recovering the local spin density linear response. Theoretical Chemistry Accounts, 2016, 135, 1.	1.4	2
13	- Local Virial Theorem for Ensembles of Excited States. , 2016, , 172-179.		0
14	Hybrid Functionals with Variationally Fitted Exact Exchange. Advances in Quantum Chemistry, 2015, 71, 41-67.	0.8	11
15	Theoretical analysis of the Sâ€“P bond in a family of compounds that involve a P2S2 ring: role of the PBE0-1/5 exchangeâ€“correlation functional. Computational and Theoretical Chemistry, 2015, 1062, 36-43.	2.5	5
16	Self-assembly and recognition properties of a tetraanionic macrocyclic boronate ester in aqueous medium. RSC Advances, 2015, 5, 30075-30083.	3.6	4
17	Theoretical study of the hydrogen bonding interaction between Levodopa and a new functionalized pillared coordination polymer designed as a carrier system. Journal of Molecular Structure, 2015, 1083, 106-110.	3.6	4
18	Possible Use of Group 4 Metallocene Methyl Cations as Potential Neutralizers for FOX-7. Propellants, Explosives, Pyrotechnics, 2014, 39, 890-896.	1.6	3

#	Article	IF	Citations
19	Non-empirical improvement of PBE and its hybrid PBE0 for general description of molecular properties. Journal of Chemical Physics, 2012, 136, 104108.	3.0	78
20	Improved constraint satisfaction in a simple generalized gradient approximation exchange functional. Journal of Chemical Physics, 2012, 136, 144115.	3.0	31
21	A new meta-GGA exchange functional based on an improved constraint-based GGA. Chemical Physics Letters, 2012, 543, 179-183.	2.6	44
22	deMon2k. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2012, 2, 548-555.	14.6	189
23	The reduced density gradient in atoms. International Journal of Quantum Chemistry, 2012, 112, 3594-3598.	2.0	27
24	A MinMax self-consistent-field approach for auxiliary density functional theory. Journal of Chemical Physics, 2009, 130, 114106.	3.0	59
25	Synthesis of Novel Chiral (Thio)ureas and Their Application as Organocatalysts and Ligands in Asymmetric Synthesis. Australian Journal of Chemistry, 2008, 61, 364.	0.9	17
26	A hierarchical transition state search algorithm. Journal of Chemical Physics, 2008, 129, 024107.	3.0	51
27	Experimental and Theoretical Study of the Structure and Reactivity of Fe_mO_n⁺ (m = 1, 2; n = 1â˜’5) with CO. Journal of Physical Chemistry C, 2007, 111, 19086-19097.	3.1	81
28	Calculation of exchange-correlation potentials with auxiliary function densities. Journal of Chemical Physics, 2004, 121, 3417-3424.	3.0	190