Carles Acosta-Silva

List of Publications by Year
in descending order

25 papers	308 citations	1040056 9 h-index	888059 17 g-index
26 all docs	26 docs citations	26 times ranked	603 citing authors

#	Article	IF	Citations
1	Mutual Relationship between Stacking and Hydrogen Bonding in DNA. Theoretical Study of Guanineâ"Cytosine, Guanineâ"5-methylcytosine, and Their Dimers. Journal of Physical Chemistry B, 2010, 114, 10217-10227.	2.6	74
2	Borylated Methylenephosphonium Salts: Precursors of Elusive Boryl(phosphino)carbenes. Journal of the American Chemical Society, 2010, 132, 8864-8865.	13.7	39
3	Cyclopropanation of Cyclohexenone by Diazomethane Catalyzed by Palladium Diacetate:Â Evidence for the Formation of Palladium(0) Nanoparticles. Organometallics, 2007, 26, 3306-3314.	2.3	38
4	Quantum-Mechanical Study on the Mechanism of Peptide Bond Formation in the Ribosome. Journal of the American Chemical Society, 2012, 134, 5817-5831.	13.7	31
5	CosmoHub: Interactive exploration and distribution of astronomical data on Hadoop. Astronomy and Computing, 2020, 32, 100391.	1.7	28
6	Synthesis and structural study of novel dimethylcyclobutyl Î²-peptides. Tetrahedron, 2009, 65, 5669-5675.	1.9	23
7	Synthesis and structural study of highly constrained hybrid cyclobutane-proline Î³,Î³-peptides. Amino Acids, 2011, 41, 673-686.	2.7	17
8	Kemp Elimination Reaction Catalyzed by Electric Fields. ChemPhysChem, 2020, 21, 295-306.	2.1	15
9	Comparison of Density Functionals for Reactions of Sulfur Ylides with Aldehydes and Olefins. Journal of Physical Chemistry A, 2007, 111, 12019-12025.	2.5	9
10	CosmoHub and SciPIC: Massive cosmological data analysis, distribution and generation using a Big Data platform. , 2017, , .		6
11	Phosphoryl Transfer Reaction in RNA: Is the Substrate-Assisted Catalysis a Possible Mechanism in Certain Solvents?. Journal of Physical Chemistry A, 2017, 121, 8525-8534.	2.5	5
12	Quantum Mechanical Study on the Mechanism of Peptide Release in the Ribosome. Journal of Physical Chemistry B, 2013, 117, 3503-3515.	2.6	4
13	Density functional methods in the study of oxygen transfer reactions. Theoretical Chemistry Accounts, 2009, 123, 59-66.	1.4	3
14	Theoretical study of a proton wire mechanism for the peptide bond formation in the ribosome. Theoretical Chemistry Accounts, 2017, 136, 1.	1.4	3
15	Theoretical Study on Two-Step Mechanisms of Peptide Release in the Ribosome. Journal of Physical Chemistry B, 2014, 118, 5717-5729.	2.6	2
16	Multicore job scheduling in the Worldwide LHC Computing Grid. Journal of Physics: Conference Series, 2015, 664, 062016.	0.4	2
17	Exploiting network restricted compute resources with HTCondor: a CMS experiment experience. EPJ Web of Conferences, 2020, 245, 09007.	0.3	2
18	Theoretical Insights on the Mechanism of the GTP Hydrolysis Catalyzed by the Elongation Factor Tu (EF-Tu). Journal of Physical Chemistry B, 2016, 120, 89-101.	2.6	1

#	Article	IF	Citations
19	Spanish ATLAS Tier-1 & Tier-2 perspective on computing over the next years. EPJ Web of Conferences, 2019, 214, 03013.	0.3	1
20	Catalytic Effect of Electric Fields on the Kemp Elimination Reactions with Neutral Bases. ChemPhysChem, 2020, 21, 2594-2604.	2.1	1
21	Lightweight site federation for CMS support. EPJ Web of Conferences, 2020, 245, 03013.	0.3	1
22	Scheduling multicore workload on shared multipurpose clusters. Journal of Physics: Conference Series, 2015, 664, 052038.	0.4	0
23	Phosphorylâ€Transfer Reaction in RNA under Alkaline Conditions. Chemistry - A European Journal, 2018, 24, 13565-13572.	3.3	0
24	Exploitation of network-segregated CPU resources in CMS. EPJ Web of Conferences, 2021, 251, 02020.	0.3	0
25	Computing activities at the Spanish Tier-1 and Tier-2s for the ATLAS experiment towards the LHC Run3 and High-Luminosity periods. EPJ Web of Conferences, 2020, 245, 07027.	0.3	0