Diego Inostroza

List of Publications by Year
in descending order

17 papers	392 citations
933447	888059
10 h-index	17 g-index
17 all docs	17 docs citations
17 times ranked	257 citing authors

#	Article	IF	Citations
1	Orbital-Weighted Dual Descriptor for the Study of Local Reactivity of Systems with (Quasi-) Degenerate States. Journal of Physical Chemistry A, 2019, 123, 10556-10562.	2.5	89
2	Proposal of a simple and effective local reactivity descriptor through a topological analysis of an orbital‐weighted fukui function. Journal of Computational Chemistry, 2017, 38, 481-488.	3.3	58
3	AUTOMATON: A Program That Combines a Probabilistic Cellular Automata and a Genetic Algorithm for Global Minimum Search of Clusters and Molecules. Journal of Chemical Theory and Computation, 2019, 15, 1463-1475.	5.3	55
4	Planar Hexacoordinate Carbons: Half Covalent, Half Ionic. Angewandte Chemie - International Edition, 2021, 60, 8700-8704.	13.8	40
5	Evaluation of restricted probabilistic cellular automata on the exploration of the potential energy surface of $Be_6B_{11}^-$. Theoretical Chemistry Accounts, 2020, 139, 1.	1.4	26
6	On the NICS limitations to predict local and global current pathways in polycyclic systems. New Journal of Chemistry, 2021, 45, 8345-8351.	2.8	23
7	Kick‐Fukui: A Fukui Function-Guided Method for Molecular Structure Prediction. Journal of Chemical Information and Modeling, 2021, 61, 3955-3963.	5.4	14
8	Neither too Classic nor too Exotic: One‐Electron Na‹…B Bond in $NaBH_3^-$ Cluster. Angewandte Chemie - International Edition, 2021, 60, 12747-12753.	13.8	13
9	Analysis of the electronic delocalization in some isoelectronic analogues of B_{12} doped with beryllium and/or carbon. Physical Chemistry Chemical Physics, 2020, 22, 12245-12259.	2.8	12
10	A Fukui function‐guided genetic algorithm. Assessment on structural prediction of Si_n (n ‰=‰ 12‐20) clusters. Journal of Computational Chemistry, 2017, 38, 1668-1677.	3.3	11
11	Planar Hypercoordinate Carbons in Alkali Metal Decorated CE_3^{2-} and CE_2^{2-} Dianions. Chemistry - A European Journal, 2021, 27, 16701-16706.	3.3	11
12	Persistent Planar Tetracoordinate Carbon in Global Minima Structures of Silicon-Carbon Clusters. Atoms, 2022, 10, 27.	1.6	11
13	Planar Hexacoordinate Carbons: Half Covalent, Half Ionic. Angewandte Chemie, 2021, 133, 8782-8786.	2.0	9
14	Aromatic ouroboroi: heterocycles involving a Ïƒ-donor‐acceptor bond and 4n + 2 Ï€-electrons. Physical Chemistry Chemical Physics, 2020, 22, 1826-1832.	2.8	6
15	Why an integrated approach between search algorithms and chemical intuition is necessary?. Physical Chemistry Chemical Physics, 2022, 24, 11680-11686.	2.8	6
16	Li_8Si_8, $Li_{10}Si_9$, and $Li_{12}Si_{10}$: Assemblies of Lithium‐Silicon Aromatic Units. ChemPhysChem, 2021, 22, 906-910.	2.1	4
17	Neither too Classic nor too Exotic: One‐Electron Na‹…B Bond in $NaBH_3^-$ Cluster. Angewandte Chemie, 2021, 133, 12857-12863.	2.0	4