Diego Inostroza

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Persistent Planar Tetracoordinate Carbon in Global Minima Structures of Silicon-Carbon Clusters. Atoms, 2022, 10, 27.	1.6	11
2	Why an integrated approach between search algorithms and chemical intuition is necessary?. Physical Chemistry Chemical Physics, 2022, 24, 11680-11686.	2.8	6
3	Planar Hexacoordinate Carbons: Half Covalent, Half Ionic. Angewandte Chemie - International Edition, 2021, 60, 8700-8704.	13.8	40
4	Planar Hexacoordinate Carbons: Half Covalent, Half Ionic. Angewandte Chemie, 2021, 133, 8782-8786.	2.0	9
5	Li₈Si₈, Li₁₀Si₉, and Li₁₂Si₁₀: Assemblies of Lithiumâ€Silicon Aromatic Units. ChemPhysChem, 2021, 22, 906-910.	2.1	4
6	Neither too Classic nor too Exotic: Oneâ€Electron Naâ‹…B Bond in NaBH₃^{â^’} Cluster. Angewandte Chemie, 2021, 133, 12857-12863.	2.0	4
7	Neither too Classic nor too Exotic: Oneâ€Electron Naâ‹…B Bond in NaBH₃^{â^’} Cluster. Angewandte Chemie - International Edition, 2021, 60, 12747-12753.	13.8	13
8	Kickâ€“Fukui: A Fukui Function-Guided Method for Molecular Structure Prediction. Journal of Chemical Information and Modeling, 2021, 61, 3955-3963.	5.4	14
9	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
10	Planar Hypercoordinate Carbons in Alkali Metal Decorated CE 3 2â^’ and CE 2 2â^’ Dianions. Chemistry - A European Journal, 2021, 27, 16701-16706.	3.3	11
11	Aromatic ouroboroi: heterocycles involving a ïƒ-donorâ€“acceptor bond and 4n + 2 ï€-electrons. Physical Chemistry Chemical Physics, 2020, 22, 1826-1832.	2.8	6
12	Analysis of the electronic delocalization in some isoelectronic analogues of B₁₂ doped with beryllium and/or carbon. Physical Chemistry Chemical Physics, 2020, 22, 12245-12259.	2.8	12
13	Evaluation of restricted probabilistic cellular automata on the exploration of the potential energy surface of Be6B11â^’. Theoretical Chemistry Accounts, 2020, 139, 1.	1.4	26
14	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
15	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
16	Proposal of a simple and effective local reactivity descriptor through a topological analysis of an orbitalâ€weighted fukui function. Journal of Computational Chemistry, 2017, 38, 481-488.	3.3	58
17	A Fukui functionâ€guided genetic algorithm. Assessment on structural prediction of Si_n (nâ€‰=â€‰12â€“20) clusters. Journal of Computational Chemistry, 2017, 38, 1668-1677.	3.3	11