Fabio Eg Penotti

List of Publications by Year
in descending order

23	346	933447 10	794594 19
papers	citations	h-index	g-index

23	23	23	197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human pre-mRNA splicing signals. Journal of Theoretical Biology, 1991, 150, 385-420.	1.7	58
2	Human DNA TATA boxes and transcription initiation sites a statistical study. Journal of Molecular Biology, 1990, 213, 37-52.	4.2	54
3	The ab initio spin-coupled description of methane: Hybridization without preconceptions. Computational and Theoretical Chemistry, 1988, 169, 421-436.	1.5	43
4	Generalization of the Optimized-Basis-Set Multi-Configuration Spin-Coupled method for the ab initio calculation of atomic and molecular electronic wave functions. International Journal of Quantum Chemistry, 1996, 59, 349-378.	2.0	25
5	Why is the bond multiplicity in C2 so elusive?. Computational and Theoretical Chemistry, 2015, 1053, 189-194.	2.5	25
6	The optimized-basis-set multiconfiguration spin-coupled method for the ab initio calculation of atomic and molecular electronic wave functions. International Journal of Quantum Chemistry, 1993, 46, 535-576.	2.0	22
7	Thermodynamics of the cell H2/HCl/AgCl/Ag in (acetonitrile + water) solvents. Journal of Chemical Thermodynamics, 1985, 17, 355-364.	2.0	20
8	Study of the mechanism of formation of CH+2(2A1,2B1) from C+(2P) + H2using spin-coupled valence bond theory. Molecular Physics, 1987, 61, 1341-1357.	1.7	17
9	Electronic structure of monomeric methyl-lithium. Journal of the Chemical Society, Faraday Transactions 2, 1989, 85, 151.	1.1	13
10	On the electronic structure of Li2 (X1) and its changes with internuclear distance. International Journal of Quantum Chemistry, 2000, 78, 378-397.	2.0	12
11	Orbital-orthogonality constraints and basis-set optimization. Journal of Computational Chemistry, 2006, 27, 762-772.	3.3	9
12	Combining rival Ï€â€space descriptions of <scp>O</scp>₃ and of <scp>SO</scp>₂. International Journal of Quantum Chemistry, 2016, 116, 718-730.	2.0	8
13	Is the S₂N₂ ring a singlet diradical? Critical analysis of alternative valence bond descriptions. International Journal of Quantum Chemistry, 2019, 119, e25845.	2.0	8
14	On the identification of symmetry-forbidden spin subspaces for configurations employing nonorthogonal orbitals. International Journal of Quantum Chemistry, 2000, 78, 24-31.	2.0	7
15	Electronic structure of BeH2. International Journal of Quantum Chemistry, 2006, 106, 1153-1159.	2.0	6
16	Reassessing spin-coupled (full generalized valence bond) descriptions of ozone using three-center bond indices. Computational and Theoretical Chemistry, 2017, 1116, 40-49.	2.5	5
17	On the effect of potential-energy cubic-spline interpolation error on Numerov-Cooley diatomic rovibrational levels. Computers & Chemistry, 1997, 21, 363-367.	1.2	3
18	Combining symmetry-separated and bent-bond spin-coupled models of cylindrically symmetric multiple bonding. Molecular Physics, 2015, 113, 1690-1694.	1.7	3

#	Article	IF	Citations
19	Nature of the chemical bonding in D_{3h} [MH₃M]⁺ cations (M = Be, Mg). International Journal of Quantum Chemistry, 2020, 120, e26183.	2.0	3
20	Electronic structure of Li3. Computational and Theoretical Chemistry, 2008, 861, 18-26.	1.5	2
21	Electronic structure and bonding of HBeLi, HmgLi, and HCaLi in their bent equilibrium geometries. Journal of Chemical Physics, 2012, 136, 024305.	3.0	2
22	A distributed system for DNA/protein database similarity searches. Bioinformatics, 1994, 10, 277-280.	4.1	1
23	Role of Dynamical Electron Correlation in the Differences in Bonding between CaAlH3 and MgAlH3. Journal of Physical Chemistry A, 2021, 125, 3912-3919.	2.5	0