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	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
2	Nature of the chemical bonding in D_{3h} [MH₃M]⁺ cations (M = Be, Mg). International Journal of Quantum Chemistry, 2020, 120, e26183.	2.0	3
3	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
4	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
5	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
6	Combining symmetry-separated and bent-bond spin-coupled models of cylindrically symmetric multiple bonding. Molecular Physics, 2015, 113, 1690-1694.	1.7	3
7	Why is the bond multiplicity in C2 so elusive?. Computational and Theoretical Chemistry, 2015, 1053, 189-194.	2.5	25
8	Electronic structure and bonding of HBeLi, HmgLi, and HCaLi in their bent equilibrium geometries. Journal of Chemical Physics, 2012, 136, 024305.	3.0	2
9	Electronic structure of Li3. Computational and Theoretical Chemistry, 2008, 861, 18-26.	1.5	2
10	Electronic structure of BeH2. International Journal of Quantum Chemistry, 2006, 106, 1153-1159.	2.0	6
11	Orbital-orthogonality constraints and basis-set optimization. Journal of Computational Chemistry, 2006, 27, 762-772.	3.3	9
12	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
13	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
14	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
15	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
16	A distributed system for DNA/protein database similarity searches. Bioinformatics, 1994, 10, 277-280.	4.1	1
17	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
18	Human pre-mRNA splicing signals. Journal of Theoretical Biology, 1991, 150, 385-420.	1.7	58

#	Article	IF	Citations
19	Human DNA TATA boxes and transcription initiation sites a statistical study. Journal of Molecular Biology, 1990, 213, 37-52.	4.2	54
20	Electronic structure of monomeric methyl-lithium. Journal of the Chemical Society, Faraday Transactions 2, 1989, 85, 151.	1.1	13
21	The ab initio spin-coupled description of methane: Hybridization without preconceptions. Computational and Theoretical Chemistry, 1988, 169, 421-436.	1.5	43
22	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
23	Thermodynamics of the cell H2/HCl/AgCl/Ag in (acetonitrile + water) solvents. Journal of Chemical Thermodynamics, 1985, 17, 355-364.	2.0	20