Mario Barzaghi

List of Publications by Year
in descending order

34	819	567281 15	501196 28
papers	citations	h-index	g-index

34	34	34	547
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental Charge Density of Î±-Glycine at 23 K. Journal of Physical Chemistry A, 2000, 104, 1047-1054.	2.5	114
2	Charge density in crystalline citrinin from X-ray diffraction at 19â€‚K. Canadian Journal of Chemistry, 1996, 74, 1145-1161.	1.1	82
3	Physicochemical Properties of Zwitterionic<scp>l</scp>- and<scp>dl</scp>-Alanine Crystals from Their Experimental and Theoretical Charge Densities. Journal of Physical Chemistry B, 2008, 112, 5163-5174.	2.6	59
4	Carbodications. 6. The ethylene dication: a theoretical study of the ethylene dication (C2H42+) potential-energy surface. Journal of the American Chemical Society, 1983, 105, 5252-5257.	13.7	56
5	Carbodications. 7. Structure and stability of diprotonated methane, CH62+. Journal of the American Chemical Society, 1983, 105, 5258-5263.	13.7	54
6	Diprotonated methane, CH62+, and diprotonated ethane, C2H82+. Journal of the American Chemical Society, 1982, 104, 6851-6852.	13.7	49
7	Charge density topological approach to the dinorcaradiene .dblharw. [10]annulene equilibrium in some 11,11-disubstituted 1,6-methano[10]annulenes. Journal of the American Chemical Society, 1985, 107, 878-887.	13.7	40
8	Progress in the Understanding of Drug-Receptor Interactions, Part 1: Experimental Charge-Density Study of an Angiotensin II Receptor Antagonist (C30H30N6O3S) atT=17 K. Chemistry - A European Journal, 2005, 11, 4621-4634.	3.3	36
9	Considered as onium ions. 31. Protonated hydronium dication, H4O2+. Hydrogen-deuterium exchange of Dd2H17 O+ in HF-SbF5 and DH217O+ in DF-SbF5 and theoretical calculations. Journal of the American Chemical Society, 1986, 108, 1032-1035.	13.7	35
10	An electron spin resonance investigation on intermediates and products in the basic oxidation of nitrodiphenylethylenes. Journal of the American Chemical Society, 1978, 100, 251-259.	13.7	25
11	Regioselectivity of 1,3-dipolar cycloadditions of (phenylsulfinyl)- and (phenylsulfonyl)alkenes. Journal of Organic Chemistry, 1983, 48, 3807-3810.	3.2	23
12	Structural Study of the Solid-State Photoaddition Reaction of Arylidenoxindoles. Journal of Organic Chemistry, 2000, 65, 3416-3425.	3.2	22
13	Progress in the Understanding of Drugâ€“Receptor Interactions, Partâ€…2: Experimental and Theoretical Electrostatic Moments and Interaction Energies of an Angiotensin II Receptor Antagonist (C30H30N6O3S). Chemistry - A European Journal, 2007, 13, 6942-6956.	3.3	21
14	Electron spin resonance line-width alternation and sodium(1+) transfer in the ion pairs of 3,5-dinitropyridine. Journal of the American Chemical Society, 1978, 100, 3132-3139.	13.7	17
15	Iterative computer analysis of complex dynamic EPR bandshapes. Fast motional region. Journal of Magnetic Resonance, 1983, 51, 175-204.	0.5	17
16	Cyclopropane ring closure in 11,11-disubstituted 1,6-methano [10] annulenes. Computational and Theoretical Chemistry, 1986, 138, 39-50.	1.5	17
17	Geometry and electronic structure of nitrostyrene molecules and anions. The Journal of Physical Chemistry, 1974, 78, 49-56.	2.9	16
18	An electron spin resonance investigation of substituted 3-nitropyridines radical anions. The Journal of Physical Chemistry, 1978, 82, 2105-2114.	2.9	13

#	Article	IF	Citations
19	Electron spin resonance study of hindered internal rotation in the 3,5-dinitrobenzamide radical anion and related compounds. The Journal of Physical Chemistry, 1980, 84, 1959-1968.	2.9	13
20	Kinetics and thermodynamics of triple-ion formation. An EPR investigation. The Journal of Physical Chemistry, 1981, 85, 1799-1808.	2.9	13
21	The conformational structure of 1,2-dimethoxy-ethane in the gas phase. Computational and Theoretical Chemistry, 1988, 170, 69-74.	1.5	13
22	Kinetics and thermodynamics of restricted rotation of the formyl group in nitrobenzaldehyde anion radicals. Journal of the American Chemical Society, 1982, 104, 6506-6515.	13.7	10
23	Effects of ion pair association on the barrier to hindered internal rotation in nitrobenzophenone and dinitrobenzophenone radical anions. The Journal of Physical Chemistry, 1983, 87, 881-888.	2.9	10
24	ESR study of the mechanism of an intermolecular cation-exchange reaction between 3,5-dinitrobenzonitrile-sodium ion pair and sodium tetraphenylborate. The Journal of Physical Chemistry, 1980, 84, 1717-1724.	2.9	9
25	An electron spin resonance study of side reactions in the equilibria of formation of triple ions. Journal of the Chemical Society Perkin Transactions II, 1980, , 1617.	0.9	8
26	An electron spin resonance investigation of the intermediates and products in the basic reduction of cis- and trans-p-nitro-Î²-bromostyrenes. Journal of the Chemical Society Perkin Transactions II, 1982, , 349-354.	0.9	8
27	Oxygen chemisorption by Î³-Al2O3 phthalocyaninato cobalt(II). Influence of the surface species Î³-Al2O3 on Oâ€“2 fixation. Journal of the Chemical Society Faraday Transactions I, 1979, 75, 1857.	1.0	7
28	Momoaromaticity versus mÃ¶bius aromaticity. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1987, 84, 783-789.	0.2	7
29	Substituent effect on the planarization energy and the relative stability of Winstein and MÃ¶bius structures of the homotropylium cation. Computational and Theoretical Chemistry, 1988, 167, 275-300.	1.5	6
30	Electron spin resonance and ENDOR investigation of the ion pairs of 4,4â€²-dicyanobenzophenone ketyl with alkali-metal cations. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 3279.	1.0	5
31	Anharmonic Thermal Motion Modelling in the Experimental XRD Charge Density Determination of 1-Methyluracil at T = 23 K. Molecules, 2021, 26, 3075.	3.8	5
32	The ring closure reaction in 1,6-methano-[10]annulene. International Journal of Quantum Chemistry, 1984, 26, 433-438.	2.0	3
33	Dynamic EPR and ENDOR spectroscopies of organic radicals. International Reviews in Physical Chemistry, 1987, 6, 315-336.	2.3	3
34	Thermal rearrangements of the homotropylium cation: An MO investigation of some relevant stationary points on the potential energy surface. Computational and Theoretical Chemistry, 1988, 166, 431-438.	1.5	3