CITATION REPORT List of articles citing

The dipole moment of carbon monoxide

DOI: 10.1063/1.460293 Journal of Chemical Physics, 1991, 94, 6660-6663.

Source: https://exaly.com/paper-pdf/22142142/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
122	A valence bond study of the dipole moment of CO. 1992 , 261, 63-67		1
121	A comparison of the efficiency and accuracy of the quadratic configuration interaction (QCISD), coupled cluster (CCSD), and Brueckner coupled cluster (BCCD) methods. 1992 , 190, 1-12		1439
120	Comparison of coupled-cluster and Brueckner coupled-cluster calculations of molecular properties. 1993 , 211, 94-100		64
119	Energy derivative versus expectation value approach: the dipole moment of CO. 1993 , 204, 59-64		9
118	On the uncorrelated reference for calculation of properties. 1993 , 86, 167-179		4
117	An MP2 study of the C2H2©O complex and its isotopomers. 1993 , 169, 185-193		7
116	Intramolecular bond length dependence of the anisotropic dispersion coefficients for interactions of rare gas atoms with N2, CO, Cl2, HCl and HBr. 1993 , 80, 533-548		66
115	Ab initio studies of open-shell complexes of CO+ with rare gases. <i>Journal of Chemical Physics</i> , 1993 , 99, 436-440	3.9	19
114	Ab initio calculations on molecules of interest to interstellar cloud chemistry. 1993 , 89, 2219-2230		107
113	The potential energy surface of Li+LO. <i>Journal of Chemical Physics</i> , 1993 , 99, 7619-7630	3.9	12
112	Bond length, dipole moment, and harmonic frequency of CO. Journal of Chemical Physics, 1993, 98, 397	72 3 3977	' 29
111	Cross sections and transport numbers of Li+IIO. <i>Journal of Chemical Physics</i> , 1993 , 99, 7631-7637	3.9	10
110	Augmented-plane-wave calculations on small molecules. 1993 , 48, 2046-2056		23
109	Ab initio study of the intermolecular potential of the water darbon monoxide complex. <i>Journal of Chemical Physics</i> , 1994 , 100, 4272-4283	3.9	58
108	On the accuracy of molecular properties by coupled-cluster methods for some difficult examples: Oxygen atom, iron atom, and cyano radical. 1994 , 52, 211-225		24
107	Structure and energetics of van der Waals complexes of carbon monoxide with rare gases. HellO and ArllO. <i>Journal of Chemical Physics</i> , 1994 , 101, 4964-4974	3.9	82
106	Correlated and gauge origin independent calculations of magnetic properties. 1994 , 81, 87-118		56

(2001-1995)

105	Dipole and quadrupole moments of small molecules. An ab initio study using perturbatively corrected, multi-reference, configuration interaction wave functions. 1995 , 334, 7-13		48
104	Systematic study of the static electrical properties of the CO molecule: Influence of the basis set size and correlation energy. <i>Journal of Chemical Physics</i> , 1995 , 102, 7573-7583	3.9	23
103	Quantum-chemical investigations of small molecular anions. 1995 , 14, 169-204		38
102	A hybrid density functional study of the first-row transition-metal monocarbonyls. <i>Journal of Chemical Physics</i> , 1995 , 103, 10605-10613	3.9	96
101	Achieving Chemical Accuracy with Coupled-Cluster Theory. 1995 , 47-108		231
100	A new definition of atomic charges based on a variational principle for the electrostatic potential energy. <i>Journal of Chemical Physics</i> , 1995 , 102, 7549-7556	3.9	13
99	Electric Polarizability and Hyperpolarizability of Carbon Monoxide. 1996 , 100, 13466-13473		107
98	A Comparison of Variational and Coupled-Cluster Calculations of Molecular Properties: The Polarizabilities of BeO, 1g+, and C2, 1g+, 3ū, and 3g 1996 , 100, 6325-6331		17
97	Ground-state correlation effects in molecular photoionization at the extended frozen-core Hartree - Fock level. 1997 , 30, 1691-1720		4
96	Nuclear relaxation and vibrational contributions to the static electrical properties of polyatomic molecules: beyond the Hartree-Fock approximation. 1997 , 217, 29-42		30
95	Optimum geometry of CO dimer and FT-IR spectra of CO in solid argon. 1997 , 418, 1-10		13
94	The CO molecule: the role of basis set and correlation treatment in the calculation of molecular properties. 1997 , 400, 93-117		85
93	A comparison of hydrogen-bonded and van der Waals isomers of phenol??nitrogen and phenol??carbon monoxide: An ab initio study. <i>Journal of Chemical Physics</i> , 1999 , 111, 1955-1963	3.9	30
92	The importance of high-order correlation effects for the COLO interaction potential. 1999 , 314, 326-332	2	57
91	Matrix Infrared Spectra and ab Initio Calculations of the Nitrous Acid Complexes with Nitrogen Monoxide <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3764-3769	2.8	18
90	Accurate higher electric multipole moments for carbon monoxide. 2001 , 334, 214-219		24
89	Comment on The importance of high-order correlation effects for the COTO interaction potential[Chem. Phys. Lett. 314 (1999) 326]. 2001 , 334, 419-423		22
88	An intermediate state representation approach to K-shell ionization in molecules. I. Theory. <i>Journal of Chemical Physics</i> , 2001 , 115, 10621-10635	3.9	30

87	Rotational spectrum and dipole moment of 1-chloro-4-fluorobenzene. 2002, 607, 19-29		3
86	The strongest bond in the universe? Accurate calculation of compliance matrices for the ions N2H+, HCO+, and HOC+. <i>Journal of Chemical Physics</i> , 2003 , 119, 165-169	3.9	41
85	An intermediate state representation approach to K-shell ionization in molecules. II. Computational tests. <i>Journal of Chemical Physics</i> , 2003 , 119, 2088-2101	3.9	37
84	Vibrationally inelastic collisions in H+ +CO system: comparing quantum calculations with experiments. <i>Journal of Chemical Physics</i> , 2004 , 121, 191-203	3.9	17
83	The vibrational spectra of the cyanide ligand revisited: terminal cyanides. 2006, 45, 4928-37		40
82	Ab initio design of picosecond infrared laser pulses for controlling vibrational-rotational excitation of CO molecules. <i>Journal of Chemical Physics</i> , 2007 , 126, 224309	3.9	5
81	Third virial coefficient of nonpolar gases from accurate binary potentials and ternary forces. 2007 , 40, 3989-4003		13
80	Theory of Intermolecular Forces: an Introductory Account. 2007 , 1-152		6
79	Coupled-cluster dynamic polarizabilities including triple excitations. <i>Journal of Chemical Physics</i> , 2008 , 128, 224102	3.9	25
78	Using the Source Function descriptor to dampen the multipole model bias in charge density studies from X-ray structure factors refinements. 2009 , 476, 308-316		23
77	Lagrangian approach for geometrical derivatives and nonadiabatic coupling terms in MRCISD. 2010 , 108, 2703-2716		12
76	ChemInform Abstract: The Dipole Moment of Carbon Monoxide. 2010 , 22, no-no		
75	Molecular electric dipole moments using the GVVPT2 variant of multireference perturbation theory. 2010 , 487, 116-121		13
74	Ab initio ground and the first excited adiabatic and quasidiabatic potential energy surfaces of H+ + CO system. 2010 , 373, 211-218		8
73	Continuous gas discharge plasma with 200 K electron temperature. 2010 , 17, 033508		4
72	GVVPT2 energy gradient using a Lagrangian formulation. <i>Journal of Chemical Physics</i> , 2011 , 135, 0441	173.9	13
71	Potential energy and dipole moment surfaces of HCO- for the search of H- in the interstellar medium. <i>Journal of Chemical Physics</i> , 2012 , 136, 224310	3.9	1
70	Structure and Optical Properties. 2012 , 473-535		

69	Introduction to Structural Chemistry. 2012 ,	35	
68	Kinetics of CO Recombination to the Heme in Nitric Oxide Synthase. 2013 , 58, 134-138	1	
67	The insertion of gas molecules into polyhedral oligomeric silsesquioxane (POSS) cages: understanding the energy of insertion using quantum chemical calculations. 2013 , 15, 4341-54	12	
66	Monte Carlo configuration interaction applied to multipole moments, ionisation energies and electron affinities. 2013 , 34, 1083-93	16	
65	Concentration Effects of Carbon Oxides on Sensing by Graphene Nanoribbons: Ab Initio Modeling. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12815-12825	26	
64	Influence of cooperativity on the frequency shift of the Ar⊞ stretch vibration in HArF complexes. 2013 , 111, 497-504	7	
63	The electric field effect on the sensitivity of tin oxide gas sensors on nanostructured substrates at low temperature. 2014 , 5, 257-269	11	
62	Weakly interacting molecular clusters of CO with H2O, SO2, and NO+. 2014 , 112, 3225-3236	7	
61	Exploring the electronic states of iodocarbyne: a theoretical contribution. 2014, 16, 9530-7	10	
60	Description of Polar Chemical Bonds from the Quantum Mechanical Interference Perspective. Journal of Chemical Theory and Computation, 2014 , 10, 2322-32	27	
59	Intriguing Electrostatic Potential of CO: Negative Bond-ends and Positive Bond-cylindrical-surface. 2015 , 5, 16307	25	
58	Polarity and Nonpolarity of Ionic Liquids Viewed from the Rotational Dynamics of Carbon Monoxide. 2015 , 119, 15493-501	16	
57	Nature of the chemical bond and origin of the inverted dipole moment in boron fluoride: a generalized valence bond approach. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 5335-43	29	
56	The chemistry of protonated species in the martian ionosphere. 2015 , 252, 366-392	42	
55	Tuning the Ground State Symmetry of Acetylenyl Radicals. 2015 , 1, 270-8	5	
54	Analytic nuclear forces and molecular properties from full configuration interaction quantum Monte Carlo. <i>Journal of Chemical Physics</i> , 2015 , 143, 054108	18	
53	Ground-state dipole moment of the spatially confined carbon monoxide and boron fluoride molecules. 2016 , 663, 84-89	9	
52	The Nature of the Chemical Bond from a Quantum Mechanical Interference Perspective. 2017 , 2, 604-619	17	

51	Role of alkali metal additives on adsorption of CO on small copper clusters [CunAMm (m + n ? 7, m 2017, 1099, 92-101		5
50	High-level ab initio studies of the complex formed between CO and O 2. 2017 , 488-489, 11-16		6
49	Broadening and shift coefficients for the (2<-0) overtone band of HCl (1.76 μ m) induced by exhaust gases CO and CO2. 2017 , 203, 434-439		6
48	Toward Tunable CO Adsorption on Defected Graphene: The Chemical Role of Ni(111) and Cu(111) Substrates. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19828-19835	3.8	9
47	Experimental and theoretical investigations of the gas adsorption sites in rht-metal B rganic frameworks. 2017 , 19, 4646-4665		14
46	Forsterite Surfaces as Models of Interstellar Core Dust Grains: Computational Study of Carbon Monoxide Adsorption. 2017 , 1, 384-398		12
45	A computational characterization of CO@C60. 2017 , 25, 624-629		13
44	Computational screening of functional groups for capture of toxic industrial chemicals in porous materials. 2017 , 19, 31766-31772		1
43	Adsorption and dissociation of carbon monoxide on iron and iron-carbon clusters: Fe n $+$ 2CO and Fe n C + 2CO, n = 4 and 7. A theoretical study. 2018 , 1129, 37-47		13
42	Matrix Isolation and Ab Initio Study on the CHFIIICO Complex. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 4042-4047	2.8	9
41	Quantum Interference Contribution to the Dipole Moment of Diatomic Molecules. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 1406-1412	2.8	8
40	Accurate High-Pressure Measurements of Carbon Monoxide's Electrical Properties. 2018 , 19, 784-792		4
39	The Electrostatic Field of CO Functionalized Metal Tips. 2018, 465-497		
38	Information on Gas-Phase Diatomic Molecules from Magnetically Induced Current Densities. 2018 , 39, 52-60		4
37	Unveiling CO adsorption on Cu surfaces: new insights from molecular orbital principles. 2018 , 20, 25892	2-2590	0028
36	IR spectral fingerprint of carbon monoxide in interstellar waterle models. 2018 , 480, 1427-1444		14
35	Photocatalytic Activation of Carbon Monoxide on Semiconductors and Derived Nanocomposites: Basic Principles and Mechanisms: A Review. 2019 , 55, 173-200		4
34	Dynamics of linear molecules in water: Translation-rotation coupling in jump motion driven diffusion. <i>Journal of Chemical Physics</i> , 2019 , 151, 034301	3.9	5

33	Chemical Bonding and Bonding Models of Main-Group Compounds. 2019, 119, 8781-8845		119
32	Electrostatic Transparent Air Filter Membranes Composed of Metallized Microfibers for Particulate Removal. 2019 , 11, 26323-26332		21
31	Systematic Procedure for Drawing Lewis Structures Based on Electron Pairing Priority and the Explicit Use of Donor Bonds: An Alternative to the Normal Procedure Which Can Be Pen and Paper Based or Automated on a PC in User Interactive 3D. 2019 , 96, 1412-1417		5
30	Impacts of air conditioning on air quality in tiny homes in Hong Kong. 2019 , 684, 434-444		12
29	First-principles descriptors of CO chemisorption on Ni and Cu surfaces. 2019 , 21, 11476-11487		11
28	Carbon monoxide adsorption at forsterite surfaces as models of interstellar dust grains: An unexpected bathochromic (red) shift of the CO stretching frequency. <i>Journal of Chemical Physics</i> , 2019 , 150, 064702	3.9	1
27	CO2 and CO adsorption equilibrium on ZSM-5 for different SiO2/Al2O3 ratios. 2019 , 54, 722-730		5
26	The Lewis electron-pair bonding model: modern energy decomposition analysis. 2019 , 3, 48-63		104
25	The orientation of CO intercalated between graphene and Ru(0001). 2019 , 680, 6-10		3
24	Zirconia (1 1 0) surface adsorption behavior [A density functional theory study. 2020 , 1173, 112702		3
23	Electronic structure calculations permit identification of the driving forces behind frequency shifts in transition metal monocarbonyls. 2020 , 22, 781-798		15
22	Investigation of the low-energy stereodynamics in the Ne(P) + N, CO reactions. <i>Journal of Chemical Physics</i> , 2020 , 153, 104306	3.9	5
21	Carbon Monoxide Activation on Small Iron Magnetic Cluster Surfaces, FeCO, = 1-20. A Theoretical Approach. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 9951-9962	2.8	3
20	Introductory lecture: when the density of the noninteracting reference system is not the density of the physical system in density functional theory. <i>Faraday Discussions</i> , 2020 , 224, 9-26	3.6	3
19	Formic Acid Synthesis in a WaterMineral System: Major Role of the Interface. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5125-5131	3.8	6
18	Mountaineering Strategy to Excited States: Highly Accurate Oscillator Strengths and Dipole Moments of Small Molecules. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 416-438	6.4	9
17	A new paradigm for gaseous ligand selectivity of hemoproteins highlighted by soluble guanylate cyclase. <i>Journal of Inorganic Biochemistry</i> , 2021 , 214, 111267	4.2	8
16	Reduced density matrix sampling: Self-consistent embedding and multiscale electronic structure on current generation quantum computers. <i>Physical Review Research</i> , 2021 , 3,	3.9	2

15	How similar are HF, MP2, and DFT charge distributions in the Cr(CO)6 complex?. <i>Advances in Molecular Similarity</i> , 1996 , 167-186		2
14	Introduction: Carbon Monoxide as Synthon in Organic Synthesis. 2021 , 1-11		1
13	Population Analyses Based on Ionic Partition of Overlap Distributions. <i>Progress in Theoretical Chemistry and Physics</i> , 2017 , 65-74	0.6	
12	Carbonylation of Methanol: A Versatile Reaction. 2022 , 127-156		
11	Regularized Second-Order M I ler-Plesset Theory: A More Accurate Alternative to Conventional MP2 for Noncovalent Interactions and Transition Metal Thermochemistry for the Same Computational Cost <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 12084-12097	6.4	6
10	High Harmonic Generation from Oriented Asymmetric Molecules in the Presence of Static Electric Field. <i>Journal of Physics: Conference Series</i> , 2022 , 2249, 012004	0.3	O
9	Microstructure Tille Phase Separation Mechanism in the Direct Reduction Process of Titanomagnetite with Coal by Microwave Heating. <i>ISIJ International</i> , 2022 ,	1.7	0
8	Cavity-induced Non-Adiabatic Dynamics and Spectroscopy of Molecular Rovibrational Polaritons studied by Multi-Mode Quantum Models. <i>Journal of Chemical Physics</i> ,	3.9	1
7	Organic Chemistry and Synthesis Rely More and More upon Catalysts. <i>Catalysts</i> , 2022 , 12, 758	4	0
6	The Chemical Bond as a Manifestation of Quantum Mechanical Interference: Theory and Applications of the Interference Energy Analysis Using SCGVB Wave Functions. 2022 ,		O
5	What induces the dense storage of hydrogen of liquid- or solid-like density levels in carbon nanopores with sub-1 nm diameters?. 2023 , 204, 594-600		0
4	Surface Engineering of Copper Catalyst through CO* Adsorbate. 2023 , 127, 1789-1797		O
3	Conductometric methane gas sensors based on ZnO/Pd@ZIF-8: Effect of dual filtering of ZIF-8 to increase the selectivity. 2023 , 383, 133600		0
2	Theoretical Investigation of the X-ray Stark Effect in Small Molecules. 2023 , 127, 1576-1587		O
1	Thermodynamic Characterization of Gas Mixtures for Non-Thermal Plasma CO2 Conversion Applications with Soft-SAFT.		0