

Benedito J C Cabral

List of Publications by Year in descending order

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135
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135
docs citations

135
times ranked

2331
citing authors

#	ARTICLE	IF	CITATIONS
1	A first principles approach to the interactions of alkali metal atoms with carbon quantum dots. Computational Materials Science, 2021, 197, 110614.	3.0	1
2	Preferential solvation and optical properties of eumelanin building blocks in binary mixture of methanol and water. Journal of Chemical Physics, 2021, 155, 174504.	3.0	3
3	On the spectral line width broadening for simulation of the two-photon absorption cross-section of para-Nitroaniline in liquid environment. Journal of Molecular Liquids, 2020, 301, 112405.	4.9	7
4	¹⁵ N NMR Shifts of Eumelanin Building Blocks in Water: A Combined Quantum Mechanics/Statistical Mechanics Approach. Molecules, 2020, 25, 3616.	3.8	3
5	Exploring a near-Hartree-Fock-Kohn-Sham approach to study electronic properties of azobenzene in interaction with gold: From clusters to the Au(111) surface. Journal of Chemical Physics, 2020, 153, 214701.	3.0	2
6	Liquid water structure from X-ray absorption and emission, NMR shielding and X-ray diffraction. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	5
7	The Kohn-Sham electronic density of states of liquid HCN: Tuning a long-range corrected exchange-correlation functional for predicting electron binding energies. Chemical Physics Letters, 2019, 724, 96-102.	2.6	6
8	Electron Propagator Theory Approach to the Electron Binding Energies of a Prototypical Photo-Switch Molecular System: Azobenzene. Journal of Physical Chemistry A, 2019, 123, 2091-2099.	2.5	11
9	Magnetic properties and core electron binding energies of liquid water. Journal of Chemical Physics, 2018, 148, 044510.	3.0	3
10	Born-Oppenheimer molecular dynamics, hydrogen bond interactions and magnetic properties of liquid hydrogen cyanide. Journal of Molecular Liquids, 2018, 272, 778-786.	4.9	6
11	An electrospray ionization mass spectrometry study of azidoacetic acid/transition metal complexes. Rapid Communications in Mass Spectrometry, 2017, 31, 1001-1013.	1.5	3
12	Electron binding energies and the fundamental gap of a push-pull dye in a polar environment: p-nitroaniline in liquid water. Chemical Physics Letters, 2017, 667, 332-336.	2.6	2
13	Dynamics, magnetic properties, and electron binding energies of H ₂ O ₂ in water. Journal of Chemical Physics, 2017, 146, 234502.	3.0	4
14	Hydration effects on the electronic properties of eumelanin building blocks. Journal of Chemical Physics, 2016, 145, 084501.	3.0	14
15	Energetics of Radical Formation in Eumelanin Building Blocks: Implications for Understanding Photoprotection Mechanisms in Eumelanin. Journal of Physical Chemistry A, 2016, 120, 10018-10022.	2.5	0
16	A First-Principles Approach to the Dynamics and Electronic Properties of <i>p</i> -Nitroaniline in Water. Journal of Physical Chemistry A, 2016, 120, 3878-3887.	2.5	23
17	Electronic Properties in Supercritical Fluids. Advances in Quantum Chemistry, 2015, , 323-339.	0.8	6
18	Probing Lewis Acid-Base Interactions with Born-Oppenheimer Molecular Dynamics: The Electronic Absorption Spectrum of <i>p</i> -Nitroaniline in Supercritical CO ₂ . Journal of Physical Chemistry B, 2015, 119, 8397-8405.	2.6	7

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19	A first principles approach to the electronic properties of liquid and supercritical CO ₂ . Journal of Chemical Physics, 2015, 142, 024504.	3.0	15
20	Structure and Electronic Properties of Liquids and Complex Molecular Systems in Solution: Coupling Many-Body Energy Decomposition Schemes to Born-Oppenheimer Molecular Dynamics. Challenges and Advances in Computational Chemistry and Physics, 2015, , 197-217.	0.6	0
21	<i>Ab initio</i> calculation of the electronic absorption spectrum of liquid water. Journal of Chemical Physics, 2014, 140, 164511.	3.0	8
22	Free base phthalocyanine: Influence of thermal effects and dimerization on the electronic absorption spectrum. Chemical Physics Letters, 2014, 595-596, 97-102.	2.6	6
23	Dynamics of complexation and electronic absorption of calix[4]arene-Ar ₂ . Chemical Physics Letters, 2014, 612, 266-272.	2.6	6
24	Structure and electronic properties of a strong dipolar liquid: Born-Oppenheimer molecular dynamics of liquid hydrogen cyanide. Chemical Physics Letters, 2013, 555, 119-124.	2.6	13
25	Born-Oppenheimer molecular dynamics and electronic properties of chlorophyll-c2 in liquid methanol. Journal of Chemical Physics, 2013, 138, 225102.	3.0	8
26	Ionization of chlorophyll-c2 in liquid methanol. Chemical Physics Letters, 2012, 546, 67-73.	2.6	7
27	Structure and electronic properties of a benzene-water solution. Journal of Chemical Physics, 2012, 136, 014507.	3.0	29
28	Structure and electronic properties of hydrated mesityl oxide: a sequential quantum mechanics/molecular mechanics approach. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	9
29	Electronic Properties of Hydrogen-Bonded Complexes of Benzene(HCN) ₁₋₄ : Comparison with Benzene(H ₂ O) ₁₋₄ . Journal of Physical Chemistry A, 2011, 115, 13714-13723.	2.5	5
30	Explicit solvent effects on the visible absorption spectrum of a photosynthetic pigment: Chlorophyll-c2 in methanol. Chemical Physics Letters, 2011, 516, 250-253.	2.6	19
31	Electronic excitation and ionization of hydrogen peroxide-water clusters: Comparison with water clusters. International Journal of Quantum Chemistry, 2011, 111, 1824-1835.	2.0	26
32	Azidoacetone as a complexing agent of transition metals Ni ²⁺ /Co ²⁺ promoted dissociation of the C- $\dot{\Sigma}$ C bond in azidoacetone. Journal of Mass Spectrometry, 2011, 46, 696-704.	1.6	4
33	Electronic properties of a methane-water solution. Chemical Physics Letters, 2011, 506, 183-189.	2.6	12
34	Electron binding energies of free base porphyrin and magnesium-porphyrin: A sequential Born-Oppenheimer molecular dynamics/quantum mechanics approach. Computational and Theoretical Chemistry, 2010, 946, 26-32.	1.5	2
35	Electronic properties of liquid hydrogen fluoride: A sequential quantum mechanical/Born-Oppenheimer molecular dynamics approach. Chemical Physics Letters, 2010, 495, 40-45.	2.6	6
36	Delocalized water and fluoride contributions to Dyson orbitals for electron detachment from the hydrated fluoride anion. Journal of Chemical Physics, 2010, 132, 214507.	3.0	11

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37	<i>Ab initio</i> approach to the electronic properties of sodium-ammonia clusters: Comparison with ammonia clusters. <i>Journal of Chemical Physics</i> , 2010, 132, 094307.	3.0	14
38	QM/MM Approaches to the Electronic Spectra of Hydrogen-Bonding Systems with Connection to Many-Body Decomposition Schemes. <i>Advances in Quantum Chemistry</i> , 2010, , 99-144.	0.8	4
39	Dynamic polarizability, Cauchy moments, and the optical absorption spectrum of liquid water: A sequential molecular dynamics/quantum mechanical approach. <i>Journal of Chemical Physics</i> , 2009, 130, 014505.	3.0	24
40	Dipole polarizability and Rayleigh light scattering by the hydrated electron. <i>Chemical Physics Letters</i> , 2009, 481, 73-77.	2.6	11
41	Born-Oppenheimer Molecular Dynamics of the Hydration of Na ⁺ in a Water Cluster. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16151-16158.	2.6	15
42	Energetics of <i>tert</i> -Butoxyl Addition Reaction to Norbornadiene: A Method for Estimating the C-Bond Strength of a Carbon-Carbon Double Bond. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6524-6530.	2.5	4
43	A Simple One-Body Approach to the Calculation of the First Electronic Absorption Band of Water. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 1829-1837.	5.3	30
44	Electronic Excitation of Cl ⁺ in Liquid Water and at the Surface of a Cluster: A Sequential Born-Oppenheimer Molecular Dynamics/Quantum Mechanics Approach. <i>Journal of Physical Chemistry A</i> , 2009, 113, 14684-14690.	2.5	15
45	Study of doubly charged alkaline earth metal and 3-azidopropionitrile complexes by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 582-590.	1.5	9
46	Born-Oppenheimer molecular dynamics of phenol in a water cluster. <i>Chemical Physics Letters</i> , 2008, 456, 170-175.	2.6	19
47	Electronic properties of liquid water by sequential molecular dynamics/density functional theory. <i>Chemical Physics Letters</i> , 2008, 460, 466-469.	2.6	17
48	The Changing Hydrogen-Bond Network of Water from the Bulk to the Surface of a Cluster: A Born-Oppenheimer Molecular Dynamics Study. <i>Journal of the American Chemical Society</i> , 2008, 130, 17955-17960.	13.7	20
49	C-H Bond Dissociation Enthalpies in Norbornane. An Experimental and Computational Study. <i>Organic Letters</i> , 2008, 10, 1613-1616.	4.6	16
50	Energetic Differences between the Five- and Six-Membered Ring Hydrocarbons: Strain Energies in the Parent and Radical Molecules. <i>Journal of Organic Chemistry</i> , 2008, 73, 6213-6223.	3.2	26
51	Electronic properties of liquid ammonia: A sequential molecular dynamics/quantum mechanics approach. <i>Journal of Chemical Physics</i> , 2008, 128, 014506.	3.0	36
52	First principles molecular dynamics of molten NaI: Structure, self-diffusion, polarization effects, and charge transfer. <i>Journal of Chemical Physics</i> , 2007, 127, 094506.	3.0	23
53	Bond-dissociation enthalpies in the gas phase and in organic solvents: Making ends meet. <i>Pure and Applied Chemistry</i> , 2007, 79, 1369-1382.	1.9	16
54	First principles molecular dynamics of molten NaCl. <i>Journal of Chemical Physics</i> , 2007, 126, 124502.	3.0	44

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55	Energetics of C–F, C–Cl, C–Br, and C–I Bonds in 2-Haloethanols. Enthalpies of Formation of XCH ₂ CH ₂ OH (X = F, Cl, Br, I) Compounds and of the 2-Hydroxyethyl Radical. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1713-1720.	2.5	29
56	Energetics of the Allyl Group. <i>Journal of Organic Chemistry</i> , 2007, 72, 8770-8779.	3.2	23
57	Electronically excited water aggregates and the adiabatic band gap of water. <i>Journal of Chemical Physics</i> , 2007, 126, 014509.	3.0	20
58	A cost-effective basis-set extrapolation scheme: Application to the energetics of homolytic bond dissociation. <i>Computational and Theoretical Chemistry</i> , 2007, 811, 361-372.	1.5	5
59	Substituent effects on water-assisted proton transfer in [p-XC ₆ H ₄ OH⋯(H ₂ O) ₁₋₃]+ clusters. <i>Chemical Physics Letters</i> , 2007, 442, 451-459.	2.6	2
60	Electron binding energies of organic azides: Green's function and density functional theory versus Hartree-Fock calculations. <i>Chemical Physics Letters</i> , 2007, 448, 280-286.	2.6	5
61	Complexation of transition metals by 3-azidopropionitrile. An electrospray ionization mass spectrometry study. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 453-465.	2.8	11
62	Conformational and Orientational Guidance of the Analgesic Dipeptide Kyotorphin Induced by Lipidic Membranes: Putative Correlation toward Receptor Docking. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3385-3394.	2.6	17
63	Enthalpy of Formation of the Cyclopentadienyl Radical: Photoacoustic Calorimetry and ab Initio Studies. <i>Journal of Physical Chemistry A</i> , 2006, 110, 5130-5134.	2.5	22
64	Reply to comment on "The enthalpy of the O–H bond homolytic dissociation: Basis-set extrapolated density functional theory and coupled cluster calculations". <i>Chemical Physics Letters</i> , 2006, 417, 570-572.	2.6	8
65	Photochemistry of AgCl⋯water clusters: Comparison with Cl⋯water clusters. <i>Chemical Physics Letters</i> , 2006, 419, 340-345.	2.6	15
66	The enthalpy of formation of the pentane-2,4-dionate radical: A complete basis set approach. <i>Chemical Physics Letters</i> , 2006, 419, 486-491.	2.6	9
67	O–H bond dissociation enthalpies: The importance of a complete basis set approach. <i>Chemical Physics Letters</i> , 2006, 421, 504-507.	2.6	24
68	Electron binding energies of water clusters: Implications for the electronic properties of liquid water. <i>Chemical Physics Letters</i> , 2006, 429, 129-135.	2.6	28
69	Carbon–hydrogen bond dissociation enthalpies in ethers: a theoretical study. <i>Computational and Theoretical Chemistry</i> , 2005, 719, 109-114.	1.5	25
70	Oxygen–oxygen bond dissociation enthalpies of di-tert-butyl peroxide and di-trifluoromethyl peroxide. <i>Computational and Theoretical Chemistry</i> , 2005, 729, 223-227.	1.5	14
71	The enthalpy of the O–H bond homolytic dissociation: Basis-set extrapolated density functional theory and coupled cluster calculations. <i>Chemical Physics Letters</i> , 2005, 406, 300-305.	2.6	39
72	Electronic polarization in liquid acetonitrile: A sequential Monte Carlo/quantum mechanics investigation. <i>Chemical Physics Letters</i> , 2005, 407, 13-17.	2.6	48

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73	The vibrational structure of the OH radical in solid argon: A transfer-matrix path-integral approach. <i>International Journal of Quantum Chemistry</i> , 2005, 103, 610-616.	2.0	1
74	Polarization effects and charge separation in AgCl-water clusters. <i>Journal of Chemical Physics</i> , 2005, 122, 044316.	3.0	26
75	The Kohn-Sham density of states and band gap of water: From small clusters to liquid water. <i>Journal of Chemical Physics</i> , 2005, 123, 054510.	3.0	52
76	Energetics of Hydroxybenzoic Acids and of the Corresponding Carboxyphenoxy Radicals. Intramolecular Hydrogen Bonding in 2-Hydroxybenzoic Acid. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9700-9708.	2.5	33
77	The density of states and band gap of liquid water by sequential Monte Carlo/Quantum mechanics calculations. <i>Brazilian Journal of Physics</i> , 2004, 34, 42-47.	1.4	17
78	Homolytic dissociation in hydrogen-bonding liquids: energetics of the phenol O-H bond in methanol and the water O-H bond in water. <i>Theoretical Chemistry Accounts</i> , 2004, 112, 282.	1.4	7
79	Reaction of para-Hydroxy-Substituted Diphenylmethanes with tert-Butoxy Radical. <i>ChemPhysChem</i> , 2004, 5, 1217-1221.	2.1	12
80	Structural, energetic, and electronic properties of (CH ₃ CN) ₂ clusters by density functional theory. <i>Computational and Theoretical Chemistry</i> , 2004, 673, 155-164.	1.5	31
81	Charge separation and charge transfer to solvent in NaCl-water clusters. <i>Chemical Physics Letters</i> , 2004, 399, 200-205.	2.6	17
82	Can larger dipoles solvate less? solute-solvent hydrogen bond and the differential solvation of phenol and phenoxy. <i>Chemical Physics Letters</i> , 2004, 399, 534-538.	2.6	18
83	O-H Bond dissociation enthalpies in hydroxyphenols. A time-resolved photoacoustic calorimetry and quantum chemistry study. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 2109-2118.	2.8	24
84	Filipin Orientation Revealed by Linear Dichroism. Implication for a Model of Action. <i>Journal of the American Chemical Society</i> , 2004, 126, 5396-5402.	13.7	21
85	Energetics of Intramolecular Hydrogen Bonding in Di-substituted Benzenes by the ortho/para Method. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10834-10843.	2.5	94
86	First-principles molecular dynamics of liquid rubidium at low density. <i>Journal of Non-Crystalline Solids</i> , 2004, 347, 100-105.	3.1	7
87	Electronic polarization of liquid water: converged Monte Carlo-quantum mechanics results for the multipole moments. <i>Chemical Physics Letters</i> , 2003, 369, 345-353.	2.6	67
88	Solvent Effects on the Energetics of the Phenol O-H Bond: A Differential Solvation of Phenol and Phenoxy Radical in Benzene and Acetonitrile. <i>Journal of Physical Chemistry A</i> , 2003, 107, 9197-9207.	2.5	36
89	Differential Hydration of Phenol and Phenoxy Radical and the Energetics of the Phenol O-H Bond in Solution. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4304-4310.	2.6	35
90	Binding energy, structure, and vibrational spectra of (HCl) ₂ and (HF) ₂ clusters by density functional theory. <i>Journal of Chemical Physics</i> , 2003, 118, 1272-1281.	3.0	46

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91	The hydration of the OH radical: Microsolvation modeling and statistical mechanics simulation. <i>Journal of Chemical Physics</i> , 2003, 119, 7344-7355.	3.0	80
92	S \tilde{H} Bond Dissociation Enthalpies in Thiophenols: A Time-Resolved Photoacoustic Calorimetry and Quantum Chemistry Study. <i>Journal of Physical Chemistry A</i> , 2002, 106, 9883-9889.	2.5	75
93	Energetics of the C \tilde{Cl} Bond in CH ₃ CH(Cl)COOH. Enthalpy of Formation of (S)-(R)-2-Chloropropionic Acid and of the 1-Carboxyethyl Radical. <i>Journal of Physical Chemistry A</i> , 2002, 106, 9855-9861.	2.5	7
94	Complexation of Calix[4]arene With Alkali Metal Cations: Conformational Binding Selectivity and Cation-Driven Inclusion. <i>Supramolecular Chemistry</i> , 2002, 14, 57-66.	1.2	42
95	Metastability and weak mixing in classical long-range many-rotator systems. <i>Physical Review E</i> , 2002, 66, 065101.	2.1	36
96	Ab initio molecular dynamics of liquid K \tilde{Cl} . <i>Journal of Non-Crystalline Solids</i> , 2002, 312-314, 69-73.	3.1	1
97	Phenol O-H bond dissociation energy in water clusters. <i>International Journal of Quantum Chemistry</i> , 2002, 86, 297-304.	2.0	28
98	Hydrogen bonding and the dipole moment of hydrofluorocarbons by density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4200-4207.	2.8	47
99	Fluids of strongly interacting dipoles: Monte Carlo sampling using Tsallis statistics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 234-241.	2.6	1
100	Structure and conformational equilibrium of thiacalix[4]arene by density functional theory. <i>Computational and Theoretical Chemistry</i> , 2001, 549, 253-260.	1.5	59
101	Structure of polydisperse dipolar hard-sphere fluids. <i>Journal of Chemical Physics</i> , 2000, 112, 4351-4356.	3.0	31
102	Thermochemical Properties and Structure of Phenol $\tilde{(H_2O)}_{1-6}$ and Phenoxy $\tilde{(H_2O)}_{1-4}$ by Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6062-6068.	2.5	39
103	Homocoordination preference in NaCs and LiNa liquid alloys by first principles molecular dynamics. <i>Journal of Chemical Physics</i> , 1999, 111, 5067-5072.	3.0	10
104	Structure, Conformational Equilibrium, and Proton Affinity of Calix[4]arene by Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 1999, 103, 9080-9085.	2.5	58
105	First principles molecular dynamics of a liquid Li \tilde{Na} alloy. <i>Computational and Theoretical Chemistry</i> , 1999, 463, 145-149.	1.5	3
106	Ab initio and density functional theory calculations of molecular structure and vibrational spectrum of ethyl azidoacetate. <i>Computational and Theoretical Chemistry</i> , 1999, 469, 55-61.	1.5	2
107	Substituent effects on the O-H bond dissociation enthalpies in phenolic compounds: agreements and controversies. <i>Pure and Applied Chemistry</i> , 1999, 71, 1249-1256.	1.9	58
108	Theoretical calculations of the molecular properties of a CFC substitute: CHCl ₂ CF ₃ (HCFC123). <i>Computational and Theoretical Chemistry</i> , 1998, 452, 117-124.	1.5	2

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109	Hydrogen bonding and conformational equilibrium in p-tert-butylidihomooxalix[4]arene. Computational and Theoretical Chemistry, 1998, 455, 23-32.	1.5	15
110	Experimental and theoretical proton affinity of limonene. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1427-1430.	1.7	25
111	Ab initio and density functional study of azidoacetone. Computational and Theoretical Chemistry, 1997, 397, 223-230.	1.5	5
112	Condensed-phase effects on the conformational equilibrium of ethylene glycol. International Journal of Quantum Chemistry, 1996, 60, 1651-1660.	2.0	6
113	Density-functional and density-functional reaction field calculations of the molecular properties of phenol. Chemical Physics Letters, 1996, 258, 436-444.	2.6	19
114	First principles molecular dynamics simulation of liquid rubidium. Computational and Theoretical Chemistry, 1995, 330, 273-277.	1.5	0
115	Molecular properties of 2-azidoethanol and 2-chloroethyl azide. A theoretical study. Computational and Theoretical Chemistry, 1995, 339, 143-151.	1.5	8
116	Density functional study of molecular properties of hydrazoic acid and methyl azide. Computational and Theoretical Chemistry, 1995, 343, 31-41.	1.5	16
117	First-principles molecular dynamics of liquid cesium and rubidium. Physical Review B, 1995, 51, 872-877.	3.2	23
118	Vapor-Liquid Equilibrium and Structure of Methyl Iodide Liquid. The Journal of Physical Chemistry, 1995, 99, 5180-5186.	2.9	18
119	Dissociation mechanisms of energy-selected chlorobutane ions: Experiment and theory. Organic Mass Spectrometry, 1993, 28, 1229-1237.	1.3	4
120	Monte Carlo simulation of the methylchloride liquid-vapour interface. Journal of Physics Condensed Matter, 1993, 5, 1919-1934.	1.8	4
121	Improved propagators for the path integral study of quantum systems. Journal of Chemical Physics, 1993, 98, 3300-3305.	3.0	2
122	LVPES of some aliphatic azides Part III. Journal of Molecular Structure, 1991, 249, 181-188.	3.6	10
123	A Monte Carlo and transfer-matrix grid path-integral study of the vibrational structure of Br ₂ in solid argon. Chemical Physics Letters, 1991, 184, 53-60.	2.6	10
124	Ab initio study of the conformational equilibrium of ethylene glycol. Theoretica Chimica Acta, 1991, 78, 271-280.	0.8	33
125	The structure of molten CsAu: ab initio and Monte Carlo study. Journal of Physics Condensed Matter, 1991, 3, 5615-5620.	1.8	7
126	LVPES of some aliphatic azides. Part II. Journal of Molecular Structure, 1990, 220, 315-319.	3.6	9

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127	A Monte Carlo simulation study of a polarizable liquid: Influence of the electrostatic induction on its thermodynamic and structural properties. <i>Journal of Chemical Physics</i> , 1987, 86, 1467-1473.	3.0	21
128	Influence of dispersion forces on the electronic structure of a solvated molecule. <i>Chemical Physics Letters</i> , 1986, 125, 495-499.	2.6	50
129	Conformational equilibrium of 1,2-dichloroethane in methylchloride. A Monte Carlo simulation of the differential gauche-anti solvation. <i>Journal of Chemical Physics</i> , 1985, 83, 3083-3094.	3.0	41
130	A Monte Carlo study of electrostatic solvation energies in molecular liquids. <i>Chemical Physics Letters</i> , 1982, 93, 157-161.	2.6	9
131	New basis set for molecular calculations. II. A CNDO study of electric dipole moments and electronic valence population on AH and AB systems using the modified Slater orbitals. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1980, 13, 211-216.	1.6	0