

# Benedito J C Cabral

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	S-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
4	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
5	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
6	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
7	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
8	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
9	Influence of dispersion forces on the electronic structure of a solvated molecule. <i>Chemical Physics Letters</i> , 1986, 125, 495-499.	2.6	50
10	Electronic polarization in liquid acetonitrile: A sequential Monte Carlo/quantum mechanics investigation. <i>Chemical Physics Letters</i> , 2005, 407, 13-17.	2.6	48
11	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
12	Binding energy, structure, and vibrational spectra of (HCl) <sub>2</sub> and (HF) <sub>2</sub> clusters by density functional theory. <i>Journal of Chemical Physics</i> , 2003, 118, 1272-1281.	3.0	46
13	First principles molecular dynamics of molten NaCl. <i>Journal of Chemical Physics</i> , 2007, 126, 124502.	3.0	44
14	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
15	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
16	Thermochemical Properties and Structure of Phenol-(H <sub>2</sub> O) <sub>1-6</sub> and Phenoxy-(H <sub>2</sub> O) <sub>1-4</sub> by Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6062-6068.	2.5	39
17	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
18	Metastability and weak mixing in classical long-range many-rotator systems. <i>Physical Review E</i> , 2002, 66, 065101.	2.1	36

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19	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
20	Electronic properties of liquid ammonia: A sequential molecular dynamics/quantum mechanics approach. <i>Journal of Chemical Physics</i> , 2008, 128, 014506.	3.0	36
21	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
22	Ab initio study of the conformational equilibrium of ethylene glycol. <i>Theoretica Chimica Acta</i> , 1991, 78, 271-280.	0.8	33
23	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
24	Structure of polydisperse dipolar hard-sphere fluids. <i>Journal of Chemical Physics</i> , 2000, 112, 4351-4356.	3.0	31
25	Structural, energetic, and electronic properties of (CH <sub>3</sub> CN) <sub>2</sub> clusters by density functional theory. <i>Computational and Theoretical Chemistry</i> , 2004, 673, 155-164.	1.5	31
26	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
27	Energetics of C-F, C-Cl, C-Br, and C-I Bonds in 2-Haloethanols. Enthalpies of Formation of XCH <sub>2</sub> CH <sub>2</sub> 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
28	Structure and electronic properties of a benzene-water solution. <i>Journal of Chemical Physics</i> , 2012, 136, 014507.	3.0	29
29	Phenol O-H bond dissociation energy in water clusters. <i>International Journal of Quantum Chemistry</i> , 2002, 86, 297-304.	2.0	28
30	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
31	Polarization effects and charge separation in AgCl-water clusters. <i>Journal of Chemical Physics</i> , 2005, 122, 044316.	3.0	26
32	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
33	Electronic excitation and ionization of hydrogen peroxide-water clusters: Comparison with water clusters. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 1824-1835.	2.0	26
34	Experimental and theoretical proton affinity of limonene. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 1427-1430.	1.7	25
35	Carbon-hydrogen bond dissociation enthalpies in ethers: a theoretical study. <i>Computational and Theoretical Chemistry</i> , 2005, 719, 109-114.	1.5	25
36	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

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37	Sâ€“H bond dissociation enthalpies: The importance of a complete basis set approach. <i>Chemical Physics Letters</i> , 2006, 421, 504-507.	2.6	24
38	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
39	First-principles molecular dynamics of liquid cesium and rubidium. <i>Physical Review B</i> , 1995, 51, 872-877.	3.2	23
40	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
41	Energetics of the Allyl Group. <i>Journal of Organic Chemistry</i> , 2007, 72, 8770-8779.	3.2	23
42	A First-Principles Approach to the Dynamics and Electronic Properties of <i>p</i> -Nitroaniline in Water. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3878-3887.	2.5	23
43	Enthalpy of Formation of the Cyclopentadienyl Radical:Â Photoacoustic Calorimetry and ab Initio Studies. <i>Journal of Physical Chemistry A</i> , 2006, 110, 5130-5134.	2.5	22
44	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
45	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
46	Electronically excited water aggregates and the adiabatic band gap of water. <i>Journal of Chemical Physics</i> , 2007, 126, 014509.	3.0	20
47	The Changing Hydrogen-Bond Network of Water from the Bulk to the Surface of a Cluster: A Bornâ“Oppenheimer Molecular Dynamics Study. <i>Journal of the American Chemical Society</i> , 2008, 130, 17955-17960.	13.7	20
48	Density-functional and density-functional reaction field calculations of the molecular properties of phenol. <i>Chemical Physics Letters</i> , 1996, 258, 436-444.	2.6	19
49	Bornâ“Oppenheimer molecular dynamics of phenol in a water cluster. <i>Chemical Physics Letters</i> , 2008, 456, 170-175.	2.6	19
50	Explicit solvent effects on the visible absorption spectrum of a photosynthetic pigment: Chlorophyll-c2 in methanol. <i>Chemical Physics Letters</i> , 2011, 516, 250-253.	2.6	19
51	Vapor-Liquid Equilibrium and Structure of Methyl Iodide Liquid. <i>The Journal of Physical Chemistry</i> , 1995, 99, 5180-5186.	2.9	18
52	Can larger dipoles solvate less? soluteâ“solvent hydrogen bond and the differential solvation of phenol and phenoxy. <i>Chemical Physics Letters</i> , 2004, 399, 534-538.	2.6	18
53	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
54	Charge separation and charge transfer to solvent in NaClâ“water clusters. <i>Chemical Physics Letters</i> , 2004, 399, 200-205.	2.6	17

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55	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
56	Electronic properties of liquid water by sequential molecular dynamics/density functional theory. <i>Chemical Physics Letters</i> , 2008, 460, 466-469.	2.6	17
57	Density functional study of molecular properties of hydrazoic acid and methyl azide. <i>Computational and Theoretical Chemistry</i> , 1995, 343, 31-41.	1.5	16
58	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
59	C-H Bond Dissociation Enthalpies in Norbornane. An Experimental and Computational Study. <i>Organic Letters</i> , 2008, 10, 1613-1616.	4.6	16
60	Hydrogen bonding and conformational equilibrium in p-tert-butylidihomooxalix[4]arene. <i>Computational and Theoretical Chemistry</i> , 1998, 455, 23-32.	1.5	15
61	Photochemistry of AgCl-water clusters: Comparison with Cl-water clusters. <i>Chemical Physics Letters</i> , 2006, 419, 340-345.	2.6	15
62	Born-Oppenheimer Molecular Dynamics of the Hydration of Na <sup>+</sup> in a Water Cluster. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16151-16158.	2.6	15
63	Electronic Excitation of Cl <sup>+</sup> 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
64	A first principles approach to the electronic properties of liquid and supercritical CO <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2015, 142, 024504.	3.0	15
65	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
66	Ab initio 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
67	Hydration effects on the electronic properties of eumelanin building blocks. <i>Journal of Chemical Physics</i> , 2016, 145, 084501.	3.0	14
68	Structure and electronic properties of a strong dipolar liquid: Born-Oppenheimer molecular dynamics of liquid hydrogen cyanide. <i>Chemical Physics Letters</i> , 2013, 555, 119-124.	2.6	13
69	Reaction of para-Hydroxy-Substituted Diphenylmethanes with tert-Butoxy Radical. <i>ChemPhysChem</i> , 2004, 5, 1217-1221.	2.1	12
70	Electronic properties of a methane-water solution. <i>Chemical Physics Letters</i> , 2011, 506, 183-189.	2.6	12
71	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
72	Dipole polarizability and Rayleigh light scattering by the hydrated electron. <i>Chemical Physics Letters</i> , 2009, 481, 73-77.	2.6	11

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73	Delocalized water and fluoride contributions to Dyson orbitals for electron detachment from the hydrated fluoride anion. <i>Journal of Chemical Physics</i> , 2010, 132, 214507.	3.0	11
74	Electron Propagator Theory Approach to the Electron Binding Energies of a Prototypical Photo-Switch Molecular System: Azobenzene. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2091-2099.	2.5	11
75	LVPES of some aliphatic azides Part III. <i>Journal of Molecular Structure</i> , 1991, 249, 181-188.	3.6	10
76	A Monte Carlo and transfer-matrix grid path-integral study of the vibrational structure of Br <sub>2</sub> in solid argon. <i>Chemical Physics Letters</i> , 1991, 184, 53-60.	2.6	10
77	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
78	A Monte Carlo study of electrostatic solvation energies in molecular liquids. <i>Chemical Physics Letters</i> , 1982, 93, 157-161.	2.6	9
79	LVPES of some aliphatic azides. Part II. <i>Journal of Molecular Structure</i> , 1990, 220, 315-319.	3.6	9
80	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
81	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
82	Structure and electronic properties of hydrated mesityl oxide: a sequential quantum mechanics/molecular mechanics approach. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	9
83	Molecular properties of 2-azidoethanol and 2-chloroethyl azide. A theoretical study. <i>Computational and Theoretical Chemistry</i> , 1995, 339, 143-151.	1.5	8
84	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
85	Born-Oppenheimer molecular dynamics and electronic properties of chlorophyll-c2 in liquid methanol. <i>Journal of Chemical Physics</i> , 2013, 138, 225102.	3.0	8
86	<i>Ab initio</i> calculation of the electronic absorption spectrum of liquid water. <i>Journal of Chemical Physics</i> , 2014, 140, 164511.	3.0	8
87	The structure of molten CsAu: <i>ab initio</i> and Monte Carlo study. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 5615-5620.	1.8	7
88	Energetics of the C-Cl Bond in CH <sub>3</sub> 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
89	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
90	First-principles molecular dynamics of liquid rubidium at low density. <i>Journal of Non-Crystalline Solids</i> , 2004, 347, 100-105.	3.1	7

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91	Ionization of chlorophyll-c2 in liquid methanol. <i>Chemical Physics Letters</i> , 2012, 546, 67-73.	2.6	7
92	Probing Lewis Acid-Base Interactions with Born-Oppenheimer Molecular Dynamics: The Electronic Absorption Spectrum of <i>p</i> -Nitroaniline in Supercritical CO <sub>2</sub> . <i>Journal of Physical Chemistry B</i> , 2015, 119, 8397-8405.	2.6	7
93	On the spectral line width broadening for simulation of the two-photon absorption cross-section of <i>para</i> -Nitroaniline in liquid environment. <i>Journal of Molecular Liquids</i> , 2020, 301, 112405.	4.9	7
94	Condensed-phase effects on the conformational equilibrium of ethylene glycol. <i>International Journal of Quantum Chemistry</i> , 1996, 60, 1651-1660.	2.0	6
95	Electronic properties of liquid hydrogen fluoride: A sequential quantum mechanical/Born-Oppenheimer molecular dynamics approach. <i>Chemical Physics Letters</i> , 2010, 495, 40-45.	2.6	6
96	Free base phthalocyanine: Influence of thermal effects and dimerization on the electronic absorption spectrum. <i>Chemical Physics Letters</i> , 2014, 595-596, 97-102.	2.6	6
97	Dynamics of complexation and electronic absorption of calix[4]arene-Ar <sub>2</sub> . <i>Chemical Physics Letters</i> , 2014, 612, 266-272.	2.6	6
98	Electronic Properties in Supercritical Fluids. <i>Advances in Quantum Chemistry</i> , 2015, , 323-339.	0.8	6
99	Born-Oppenheimer molecular dynamics, hydrogen bond interactions and magnetic properties of liquid hydrogen cyanide. <i>Journal of Molecular Liquids</i> , 2018, 272, 778-786.	4.9	6
100	The Kohn-Sham electronic density of states of liquid HCN: Tuning a long-range corrected exchange-correlation functional for predicting electron binding energies. <i>Chemical Physics Letters</i> , 2019, 724, 96-102.	2.6	6
101	Ab initio and density functional study of azidoacetone. <i>Computational and Theoretical Chemistry</i> , 1997, 397, 223-230.	1.5	5
102	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
103	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
104	Electronic Properties of Hydrogen-Bonded Complexes of Benzene(HCN) <sub>1-4</sub> : Comparison with Benzene(H <sub>2</sub> O) <sub>1-4</sub> . <i>Journal of Physical Chemistry A</i> , 2011, 115, 13714-13723.	2.5	5
105	Liquid water structure from X-ray absorption and emission, NMR shielding and X-ray diffraction. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	5
106	Dissociation mechanisms of energy-selected chlorobutane ions: Experiment and theory. <i>Organic Mass Spectrometry</i> , 1993, 28, 1229-1237.	1.3	4
107	Monte Carlo simulation of the methylchloride liquid-vapour interface. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 1919-1934.	1.8	4
108	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

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109	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
110	Azidoacetone as a complexing agent of transition metals Ni <sup>2+</sup> /Co <sup>2+</sup> promoted dissociation of the C≡C bond in azidoacetone. <i>Journal of Mass Spectrometry</i> , 2011, 46, 696-704.	1.6	4
111	Dynamics, magnetic properties, and electron binding energies of H <sub>2</sub> O <sub>2</sub> in water. <i>Journal of Chemical Physics</i> , 2017, 146, 234502.	3.0	4
112	First principles molecular dynamics of a liquid Li–Na alloy. <i>Computational and Theoretical Chemistry</i> , 1999, 463, 145-149.	1.5	3
113	An electrospray ionization mass spectrometry study of azidoacetic acid/transition metal complexes. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1001-1013.	1.5	3
114	Magnetic properties and core electron binding energies of liquid water. <i>Journal of Chemical Physics</i> , 2018, 148, 044510.	3.0	3
115	<sup>15</sup> N NMR Shifts of Eumelanin Building Blocks in Water: A Combined Quantum Mechanics/Statistical Mechanics Approach. <i>Molecules</i> , 2020, 25, 3616.	3.8	3
116	Preferential solvation and optical properties of eumelanin building blocks in binary mixture of methanol and water. <i>Journal of Chemical Physics</i> , 2021, 155, 174504.	3.0	3
117	Improved propagators for the path integral study of quantum systems. <i>Journal of Chemical Physics</i> , 1993, 98, 3300-3305.	3.0	2
118	Theoretical calculations of the molecular properties of a CFC substitute: CHCl <sub>2</sub> CF <sub>3</sub> (HCFC123). <i>Computational and Theoretical Chemistry</i> , 1998, 452, 117-124.	1.5	2
119	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
120	Substituent effects on water-assisted proton transfer in [p-XC <sub>6</sub> H <sub>4</sub> OH⋯(H <sub>2</sub> O) <sub>1-3</sub> ]+ clusters. <i>Chemical Physics Letters</i> , 2007, 442, 451-459.	2.6	2
121	Electron binding energies of free base porphyrin and magnesium-porphyrin: A sequential Born–Oppenheimer molecular dynamics/quantum mechanics approach. <i>Computational and Theoretical Chemistry</i> , 2010, 946, 26-32.	1.5	2
122	Electron binding energies and the fundamental gap of a push-pull dye in a polar environment: p-nitroaniline in liquid water. <i>Chemical Physics Letters</i> , 2017, 667, 332-336.	2.6	2
123	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. <i>Journal of Chemical Physics</i> , 2020, 153, 214701.	3.0	2
124	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
125	Ab initio molecular dynamics of liquid Tl. <i>Journal of Non-Crystalline Solids</i> , 2002, 312-314, 69-73.	3.1	1
126	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



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127	A first principles approach to the interactions of alkali metal atoms with carbon quantum dots. Computational Materials Science, 2021, 197, 110614.	3.0	1
128	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. Journal of Physics B: Atomic and Molecular Physics, 1980, 13, 211-216.	1.6	0
129	First principles molecular dynamics simulation of liquid rubidium. Computational and Theoretical Chemistry, 1995, 330, 273-277.	1.5	0
130	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
131	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