M Nsangou

List of Publications by Year
in descending order

58 papers	838 citations	516710 16 h-index	501196 28 g-index
58 all docs	58 docs citations	58 times ranked	874 citing authors

#	Article	IF	Citations
1	Revision of the Thermodynamics of the Proton in Gas Phase. Journal of Physical Chemistry A, 2014, 118, 11090-11097.	2.5	108
2	Solvent effects on the antioxidant activity of 3,4-dihydroxyphenylpyruvic acid : DFT and TD-DFT studies. Computational and Theoretical Chemistry, 2011, 966, 232-243.	2.5	73
3	Solvation Energies of the Proton in Methanol. Journal of Chemical Theory and Computation, 2013, 9, 1173-1181.	5.3	70
4	Vibrational Analysis of Amino Acids and Short Peptides in Hydrated Media. IV. Amino Acids with Hydrophobic Side Chains: <scp>l</scp>-Alanine, <scp>l</scp>-Valine, and <scp>l</scp>-Isoleucine. Journal of Physical Chemistry B, 2009, 113, 3169-3178.	2.6	59
5	Structures of protonated methanol clusters and temperature effects. Journal of Chemical Physics, 2013, 138, 184301.	3.0	59
6	DFT study of the reaction of quercetin with and radicals. Computational and Theoretical Chemistry, 2009, 904, 35-42.	1.5	51
7	DFT study of the structure of hydroxybenzoic acids and their reactions with OH and radicals. Computational and Theoretical Chemistry, 2008, 850, 135-143.	1.5	35
8	Unusual Quantum Interference in the S₁ State of DABCO and Observation of Intramolecular Vibrational Redistribution. Journal of Physical Chemistry A, 2010, 114, 3313-3319.	2.5	22
9	DFT study of the effect of solvent on the H-atom transfer involved in the scavenging of the free radicals â—HO2 and â—O2 â˜ by caffeic acid phenethyl ester and some of its derivatives. Journal of Molecular Modeling, 2014, 20, 2509.	1.8	21
10	Accurate ab initio potential energy curves and spectroscopic properties of the low-lying electronic states of OH^{â˜} and SH^{â˜} molecular anions. Molecular Physics, 2016, 114, 2204-2216.	1.7	21
11	Structures of the solvated copper(<scp>ii</scp>) ion in ammonia at various temperatures. New Journal of Chemistry, 2020, 44, 3637-3653.	2.8	21
12	Hydrogen atom transfer in the reaction of hydroxycinnamic acids with OH and HO2 radicals: DFT study. Computational and Theoretical Chemistry, 2008, 862, 53-59.	1.5	19
13	DFT study of proton transfer, cooperativity, and tautomerization in 2-pyridineselenol and 2-pyridinethiol ammonia and water clusters. Computational and Theoretical Chemistry, 2007, 819, 142-152.	1.5	18
14	Excitation-emission matrix fluorescence coupled to chemometrics for the exploration of essential oils. Talanta, 2014, 130, 148-154.	5.5	18
15	Antioxidative Potency and UVâ€“Vis spectra features of the compounds resulting from the chelation of Fe2+ by Caffeic Acid Phenethyl Ester and two of its derivatives. Computational and Theoretical Chemistry, 2015, 1067, 135-147.	2.5	18
16	DFT study of ground state proton transfer in 2-pyridone/2-hydroxypyridineâ€“ammonia clusters. Chemical Physics, 2005, 311, 277-285.	1.9	17
17	Single or double hydrogen atom transfer in the reaction of metal â€“ Associated phenolic acids with â€¢OH radical: DFT study. Computational and Theoretical Chemistry, 2009, 901, 49-55.	1.5	17
18	Fluorescence Spectroscopy Combined with Chemometrics for the Investigation of the Adulteration of Essential Oils. Food Analytical Methods, 2017, 10, 2539-2548.	2.6	16

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19	Geometrical and vibrational features of phosphate, phosphorothioate and phosphorodithioate linkages interacting with hydrated cations: A DFT study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 805-814.	3.9	13
20	DFT Study of Photochemical Properties and Radiative Forcing Efficiency Features of the Stereoisomers cis- and trans-CHClâ•€Hâ€“CF₃. Journal of Physical Chemistry A, 2019, 123, 10437-10445.	2.5	11
21	Theoretical investigations of the cyanogen anion. Chemical Physics, 2009, 355, 164-168.	1.9	10
22	Hydration of l-glycylvaline and l-glycylvalylglycine zwitterions: Structural and vibrational studies using DFT method. Journal of Molecular Graphics and Modelling, 2019, 88, 194-202.	2.4	10
23	1/Nexpansions for central potentials revisited in the light of hypervirial and Hellmann-Feynman theorems and the principle of minimal sensitivity. Physical Review A, 2000, 61, .	2.5	9
24	Characterization and stereochemistry of alkyl 2-chloro-3-formylacrylates: Experimental NMR and theoretical DFT studies. Journal of Structural Chemistry, 2010, 51, 251-257.	1.0	9
25	DFT study of geometrical and vibrational features of small amino acids with polar side chains in hydrated media: L-Threonine and L-Serine. Computational and Theoretical Chemistry, 2011, 966, 364-374.	2.5	9
26	Solvent effects on the structures and vibrational features of zwitterionic dipeptides: L-diglycine and L-dialanine. Journal of Molecular Modeling, 2015, 21, 189.	1.8	8
27	Proton-Coupled Electron Transfer in the Reaction of 3,4-Dihydroxyphenylpyruvic Acid with Reactive Species in Various Media. International Journal of Chemical Physics, 2015, 2015, 1-13.	0.0	7
28	Structure, antioxidative potency and potential scavenging of OH and OOH of phenylethyl-3,4-dihydroxyhydrocinnamate in protic and aprotic media: DFT study. Journal of Molecular Graphics and Modelling, 2017, 78, 221-233.	2.4	7
29	Cooperativity and ground-state proton transfer in 7-hydroxyimidazo[1,2-a]pyridineÂ·ammonia clusters: DFT study. Computational and Theoretical Chemistry, 2006, 758, 87-95.	1.5	6
30	Electronic transitions and ESIPT kinetics of the thienyl-3-hydroxychromone nucleobase surrogate in DNA duplexes: a DFT/MD-TDDFT study. RSC Advances, 2020, 10, 7349-7359.	3.6	6
31	Characterization of engine lubricants by fluorescence spectroscopy and chemometrics. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119539.	3.9	6
32	Structural isomers and tautomerism of chlorophyll a in the ground state studied by semiempirical MNDO-d method. Computational and Theoretical Chemistry, 2004, 681, 213-224.	1.5	5
33	Beryllium(II) complexes with (R2N)2P(O)F (R=Me or Et): Synthesis and characterisation by multinuclear (31P, 19F and 9Be) NMR in solution. Polyhedron, 2006, 25, 1373-1378.	2.2	5
34	Cross-sections and rate coefficients calculations for rotational excitation of cyanoethynylide ions (${{m{C}}}_{3}{{m{N}}}^{-}$) induced by collision with He atoms at low temperature. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 045202.	1.5	5
35	Thermodynamic of solvation, solute â€“ Solvent electron transfer and ionization potential of BSCAPE molecule and its UVâ€“vis spectra in aqueous solution. Journal of Molecular Graphics and Modelling, 2019, 92, 100-111.	2.4	5
36	Effects of fractional temporal evolution on chirped soliton solutions of the Chen-Lee-Liu equation. Physica Scripta, 2021, 96, 105215.	2.5	5

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37	On the use of the MNDO-d semiempirical method for the structural study of chlorophyll b and anhydrous chlorophyll b dimer. Computational and Theoretical Chemistry, 2005, 726, 245-251.	1.5	4
38	Rotational excitation of AlH by Helium and Neon at low temperature: State-to-state inelastic cross section. Chemical Physics Letters, 2014, 600, 21-28.	2.6	4
39	Rotational excitation induced by collision of AlOH with helium. Astrophysics and Space Science, 2015, 357, 1.	1.4	4
40	Rotational excitation of AlCl induced by its collision with helium: cross sections and collisional rate coefficients. Astrophysics and Space Science, 2016, 361, 1.	1.4	3
41	Infrared spectra of PEHA molecule and its resistance to oxidation in water and methanol media at 298.15ÂK: solvent cluster size dependency. Journal of Molecular Modeling, 2020, 26, 323.	1.8	3
42	Rotational excitation of NCO^{-} induced by collision with Helium at low temperatures. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 115202.	1.5	2
43	Stability, metastability and spectroscopic constants of electronic states of NHâ¯ and CHâ¯. Molecular Physics, 2015, 113, 622-629.	1.7	2
44	Electronic structure, stability and spectroscopy of low-lying states of NOâ¯, HNOâ¯ and HONâ¯ molecular anions. Computational and Theoretical Chemistry, 2016, 1094, 69-81.	2.5	2
45			

Collisional rate coefficients of SiH(X<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Over

#	Article	IF	Citations
55	First results on the development of an energetic (sub)nanosecond XeCl laser system. , 2002, , .		0
	Rotational cross sections and rate coefficients of aluminium monoxide AlO(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 722 Td (x		
56			