

M Nsangou

List of Publications by Year in descending order

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58
papers

838
citations

516561

16
h-index

501076

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. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11090-11097.	1.1	108
2	Solvent effects on the antioxidant activity of 3,4-dihydroxyphenylpyruvic acid : DFT and TD-DFT studies. <i>Computational and Theoretical Chemistry</i> , 2011, 966, 232-243.	1.1	73
3	Solvation Energies of the Proton in Methanol. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 1173-1181.	2.3	70
4	Vibrational Analysis of Amino Acids and Short Peptides in Hydrated Media. IV. Amino Acids with Hydrophobic Side Chains: <i>l</i> -Alanine, <i>l</i> -Valine, and <i>l</i> -Isoleucine. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3169-3178.	1.2	59
5	Structures of protonated methanol clusters and temperature effects. <i>Journal of Chemical Physics</i> , 2013, 138, 184301.	1.2	59
6	DFT study of the reaction of quercetin with and radicals. <i>Computational and Theoretical Chemistry</i> , 2009, 904, 35-42.	1.5	51
7	DFT study of the structure of hydroxybenzoic acids and their reactions with OH and radicals. <i>Computational and Theoretical Chemistry</i> , 2008, 850, 135-143.	1.5	35
8	Unusual Quantum Interference in the S_{1} State of DABCO and Observation of Intramolecular Vibrational Redistribution. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3313-3319.	1.1	22
9	DFT study of the effect of solvent on the H-atom transfer involved in the scavenging of the free radicals $\dot{\text{H}}\text{O}_2$ and $\dot{\text{O}}_2$ by caffeic acid phenethyl ester and some of its derivatives. <i>Journal of Molecular Modeling</i> , 2014, 20, 2509.	0.8	21
10	Accurate <i>ab initio</i> potential energy curves and spectroscopic properties of the low-lying electronic states of OH^{\cdot} and SH^{\cdot} molecular anions. <i>Molecular Physics</i> , 2016, 114, 2204-2216.	0.8	21
11	Structures of the solvated copper(<i>ii</i>) ion in ammonia at various temperatures. <i>New Journal of Chemistry</i> , 2020, 44, 3637-3653.	1.4	21
12	Hydrogen atom transfer in the reaction of hydroxycinnamic acids with OH and HO ₂ radicals: DFT study. <i>Computational and Theoretical Chemistry</i> , 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. <i>Computational and Theoretical Chemistry</i> , 2007, 819, 142-152.	1.5	18
14	Excitation-emission matrix fluorescence coupled to chemometrics for the exploration of essential oils. <i>Talanta</i> , 2014, 130, 148-154.	2.9	18
15	Antioxidative Potency and UV-Vis spectra features of the compounds resulting from the chelation of Fe ²⁺ by Caffeic Acid Phenethyl Ester and two of its derivatives. <i>Computational and Theoretical Chemistry</i> , 2015, 1067, 135-147.	1.1	18
16	DFT study of ground state proton transfer in 2-pyridone/2-hydroxypyridine-ammonia clusters. <i>Chemical Physics</i> , 2005, 311, 277-285.	0.9	17
17	Single or double hydrogen atom transfer in the reaction of metal Associated phenolic acids with $\dot{\text{C}}\text{OH}$ radical: DFT study. <i>Computational and Theoretical Chemistry</i> , 2009, 901, 49-55.	1.5	17
18	Fluorescence Spectroscopy Combined with Chemometrics for the Investigation of the Adulteration of Essential Oils. <i>Food Analytical Methods</i> , 2017, 10, 2539-2548.	1.3	16

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19	Geometrical and vibrational features of phosphate, phosphorothioate and phosphorodithioate linkages interacting with hydrated cations: A DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 73, 805-814.	2.0	13
20	DFT Study of Photochemical Properties and Radiative Forcing Efficiency Features of the Stereoisomers <i>cis</i> - and <i>trans</i> -CHCl ₂ •CH ₂ CF ₃ . <i>Journal of Physical Chemistry A</i> , 2019, 123, 10437-10445.	1.1	11
21	Theoretical investigations of the cyanogen anion. <i>Chemical Physics</i> , 2009, 355, 164-168.	0.9	10
22	Hydration of L-glycylvaline and L-glycylvalylglycine zwitterions: Structural and vibrational studies using DFT method. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 88, 194-202.	1.3	10
23	1/N-expansions for central potentials revisited in the light of hypervirial and Hellmann-Feynman theorems and the principle of minimal sensitivity. <i>Physical Review A</i> , 2000, 61, .	1.0	9
24	Characterization and stereochemistry of alkyl 2-chloro-3-formylacrylates: Experimental NMR and theoretical DFT studies. <i>Journal of Structural Chemistry</i> , 2010, 51, 251-257.	0.3	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. <i>Computational and Theoretical Chemistry</i> , 2011, 966, 364-374.	1.1	9
26	Solvent effects on the structures and vibrational features of zwitterionic dipeptides: L-diglycine and L-dialanine. <i>Journal of Molecular Modeling</i> , 2015, 21, 189.	0.8	8
27	Proton-Coupled Electron Transfer in the Reaction of 3,4-Dihydroxyphenylpyruvic Acid with Reactive Species in Various Media. <i>International Journal of Chemical Physics</i> , 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. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 78, 221-233.	1.3	7
29	Cooperativity and ground-state proton transfer in 7-hydroxyimidazo[1,2-a]pyridine- π -ammonia clusters: DFT study. <i>Computational and Theoretical Chemistry</i> , 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. <i>RSC Advances</i> , 2020, 10, 7349-7359.	1.7	6
31	Characterization of engine lubricants by fluorescence spectroscopy and chemometrics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119539.	2.0	6
32	Structural isomers and tautomerism of chlorophyll a in the ground state studied by semiempirical MNDO-d method. <i>Computational and Theoretical Chemistry</i> , 2004, 681, 213-224.	1.5	5
33	Beryllium(II) complexes with (R ₂ N)2P(O)F (R=Me or Et): Synthesis and characterisation by multinuclear (31P, 19F and 9Be) NMR in solution. <i>Polyhedron</i> , 2006, 25, 1373-1378.	1.0	5
34	Cross-sections and rate coefficients calculations for rotational excitation of cyanoethynylide ions (C_3N^+) induced by collision with He atoms at low temperature. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 045202.	0.6	5
35	Thermodynamic of solvation, solute π -Solvent electron transfer and ionization potential of BSCAPE molecule and its UV-vis spectra in aqueous solution. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 92, 100-111.	1.3	5
36	Effects of fractional temporal evolution on chirped soliton solutions of the Chen-Lee-Liu equation. <i>Physica Scripta</i> , 2021, 96, 105215.	1.2	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. <i>Computational and Theoretical Chemistry</i> , 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. <i>Chemical Physics Letters</i> , 2014, 600, 21-28.	1.2	4
39	Rotational excitation induced by collision of AIOH with helium. <i>Astrophysics and Space Science</i> , 2015, 357, 1.	0.5	4
40	Rotational excitation of AlCl induced by its collision with helium: cross sections and collisional rate coefficients. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	0.5	3
41	Infrared spectra of PEHA molecule and its resistance to oxidation in water and methanol media at 298.15 K: solvent cluster size dependency. <i>Journal of Molecular Modeling</i> , 2020, 26, 323.	0.8	3
42	Rotational excitation of NCO ⁻ induced by collision with Helium at low temperatures. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 115202.	0.6	2
43	Stability, metastability and spectroscopic constants of electronic states of NH ⁺ and CH ⁺ . <i>Molecular Physics</i> , 2015, 113, 622-629.	0.8	2
44	Electronic structure, stability and spectroscopy of low-lying states of NO ⁻ , HNO ⁻ and HON ⁻ molecular anions. <i>Computational and Theoretical Chemistry</i> , 2016, 1094, 69-81.	1.1	2

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55	First results on the development of an energetic (sub)nanosecond XeCl laser system. , 2002, , . Rotational cross sections and rate coefficients of aluminium monoxide AlO (λ in nm) Tj ETQq0.0.0 rgBT /Overlock 10 Tf 50 722 Td (x		0

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