

Bistra A Stamboliyska

List of Publications by Year in descending order

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21
papers

741
citations

759233

12
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713466

21
g-index

21
all docs

21
docs citations

21
times ranked

993
citing authors

#	ARTICLE	IF	CITATIONS
1	DFT and experimental studies of the structure and vibrational spectra of curcumin. <i>International Journal of Quantum Chemistry</i> , 2005, 102, 1069-1079.	2.0	359
2	The infrared spectra and structure of o-sulfobenzimide (saccharin) and of its nitranion: An ab initio force field treatment. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996, 52, 1135-1143.	3.9	66
3	IR spectra and structure of benzylidenemalononitrile and its cyanide, methoxide and heptylamine adducts: experimental and ab initio studies. <i>Journal of Molecular Structure</i> , 1997, 435, 235-245.	3.6	39
4	Vibrational spectra and structure of benzil and its 18O- and d10-labelled derivatives: a quantum chemical and experimental study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 3127-3137.	3.9	35
5	Nonlinear optical properties of pyridinium-betaines of squaric acid: Experimental and theoretical study. <i>Chemical Physics</i> , 2008, 348, 45-52.	1.9	30
6	Quantification of the push-pull character of the isophorone chromophore as a measure of molecular hyperpolarizability for NLO applications. <i>Tetrahedron Letters</i> , 2008, 49, 1323-1327.	1.4	24
7	Experimental and computational studies of the structure and vibrational spectra of 4-dimethylamino pyridinium-betaine of squaric acid. <i>Journal of Molecular Structure</i> , 2004, 691, 241-248.	3.6	23
8	Quantification of the Push-Pull Character of Donor-Acceptor Triazines. <i>Journal of Organic Chemistry</i> , 2008, 73, 8250-8255.	3.2	23
9	DFT and experimental study on the IR spectra and structure of acesulfame sweetener. <i>Journal of Molecular Structure</i> , 2012, 1009, 23-29.	3.6	21
10	Experimental and computational studies of the structure and vibrational spectra of 2-[5,5-dimethyl-3-(2-phenyl-vinyl)-cyclohex-2-enylidene]-malononitrile. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 3325-3335.	3.9	16
11	Spectral and structural study of two acceptor-substituted pyridinium-betaines of squaric acid: Promising chromophores for nonlinear optical applications. <i>Chemical Physics</i> , 2006, 324, 489-496.	1.9	16
12	Experimental and ab initio MO studies on the IR spectra and structure of cyanoacetamide, its carbanion and dianion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 54, 843-853.	3.9	12
13	Evaluation of the radical scavenging activity of a series of synthetic hydroxychalcones towards the DPPH radical. <i>Journal of the Serbian Chemical Society</i> , 2011, 76, 491-497.	0.8	12
14	Experimental and computational studies of the structure and vibrational spectra of pyridinium-betaine of squaric acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 1805-1813.	3.9	11
15	Experimental and ab initio MO studies on the IR spectra and structure of cyanoacetic acid, its oxyanion and dianion. <i>Journal of Molecular Structure</i> , 1998, 444, 235-245.	3.6	10
16	Experimental and ab initio MO studies on the IR spectra and structure of pyridinium dicyanomethylide and trimethylammonium dicyanomethylide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 95-103.	3.9	10
17	DFT and experimental study on the IR spectra and structure of 2-hydroxy-3-methoxybenzaldehyde (o-vanillin) and its oxyanion. <i>Journal of Molecular Structure</i> , 2010, 963, 57-62.	3.6	10
18	Ab initio prediction of the vibrational spectra of the hydrogen-bonded complexes between CO and HONO ₂ . <i>International Journal of Quantum Chemistry</i> , 2003, 92, 506-515.	2.0	9

#	ARTICLE	IF	CITATIONS
19	Hyperpolarizability of donor-acceptor azines subject to push-pull character and steric hindrance. Tetrahedron, 2009, 65, 9211-9217.	1.9	9
20	Calculations of ¹³ C NMR chemical shifts and F-C coupling constants of ciprofloxacin. Magnetic Resonance in Chemistry, 2019, 57, S75-S84.	1.9	5
21	Characterization of Zahari Zograph's nave wall paintings in the church "The nativity of the virgin" of Rila Monastery (Bulgaria) by vibrational spectroscopy and SEM-EDX analysis. Science and Technology of Archaeological Research, 2017, 3, 437-449.	2.4	1