Ivelina Georgieva

List of Publications by Year
in descending order

64	1,045	394286	477173
papers	citations	19 h-index	29 g-index

64	64	64	1472
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural characterisation, Hirshfeld surfaces, DSC, periodic DFT modeling, vibrational and optical study of heptylenediammonium pentachlorobismuthate H3N(CH2)7NH3BiCl5. Journal of Solid State Chemistry, 2022, 306, 122805.	1.4	10
2	Spectroscopic and photophysical properties of [Eu(Phen)2]X3 (Xâ‰¡Clâ€“, NO3â€“) complexes, incorporated into SiO2-based Matrices: Theoretical study. Materials Today: Proceedings, 2022, 61, 1292-1299.	0.9	1
3	Effect of urea on arrangement of novel Mg(II) perrhenate crystal structures and their optical properties: Experimental and theoretical insight. Journal of Solid State Chemistry, 2022, 312, 123263.	1.4	2
4	Crystalline adducts of urea with magnesium iodide. Journal of Molecular Structure, 2021, 1224, 129009.	1.8	2
5	Phenanthroline chromophore as efficient antenna for Tb3+ green luminescence: A theoretical study. Dyes and Pigments, 2021, 185, 108890.	2.0	18
6	Molecular modeling of MCPA herbicide adsorption by goethite (110) surface in dependence of pH. Theoretical Chemistry Accounts, 2020, 139, 1.	0.5	3
7	Energy transfer mechanism in luminescence Eu(III) and Tb(III) complexes of coumarin-3-carboxylic acid: A theoretical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118591.	2.0	12
8	Synthesis, X-ray structure, and DFT modeling of a new polymeric zinc(II) complex of 2-mercaptonicotinic acid (MntH), {[Zn(Mntâ€“Mnt)(en)]‡H2O}n. Monatshefte FÃ¼r Chemie, 2019, 150, 219-231.	0.9	3
9	Periodic DFT modeling and vibrational analysis of silver(I) cyanide complexes of thioureas. Journal of Molecular Modeling, 2019, 25, 90.	0.8	8
10	X-ray structures, solid state periodic DFT modeling and vibrational study of alkylenediammonium hexachlorostannates compounds NH3(CH2)nNH3SnCl6 (nÂ= 3, 4, 5). Journal of Molecular Structure, 2019, 1177, 55-67.	1.8	5
11	Synthesis, characterization, DFT calculations and antimicrobial studies of cadmium(II) sulfate complexes of thioureas and 2-mercaptopyridine; X-ray structures of polymeric diaqua(N,Nâ€²-dimethylthiourea) sulfatocadmium(II) and bis(2-mercaptopyridine)sulfatocadmium(II). Polyhedron, 2018, 149, 126-133.	1.0	3
12	Synthesis, crystal structure and DFT studies of a novel dinuclear copper(I) complex with triphenylphosphine and 2-mercaptonicotinic acid. Journal of Molecular Structure, 2018, 1153, 179-186.	1.8	3
13	Theoretical insight in highly luminescent properties of Eu(III) complex with phenanthroline. Journal of Luminescence, 2018, 202, 192-205.	1.5	28
14	DFT study of the molecular and crystal structure and vibrational analysis of cisplatin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 176, 58-66.	2.0	28
15	Highâ€level Ab Initio Absorption Spectra Simulations of Neutral, Anionic and Neutral+ Chromophore of Green Fluorescence Protein Chromophore Models in Gas Phase and Solution. Photochemistry and Photobiology, 2017, 93, 1356-1367.	1.3	4
16	Solid state DFT modeling and vibrational characterisation of butylenediammonium and hexylenediammonium hexafluorosilicate, NH3(CH2)nNH3SiF6 (n=4 and 6). Vibrational Spectroscopy, 2017, 88, 83-93.	1.2	11
17	Synthesis, X-ray structure, spectroscopic (IR, NMR) analysis and DFT modeling of a new polymeric Zinc(II) complex of cystamine, [Zn(Cym-Cym)Cl2]. Polyhedron, 2017, 122, 105-115.	1.0	5
18	Synthesis, spectroscopic characterization, DFT calculations and antimicrobial properties of silver(I) complexes of 2,2â€²-bipyridine and 1,10-phenanthroline. Polyhedron, 2016, 115, 212-218.	1.0	25

#	Article	IF	Citations
19	Novel silver(I) complexes of coumarin oxyacetate ligands and their phenanthroline adducts: Biological activity, structural and spectroscopic characterisation. Journal of Inorganic Biochemistry, 2016, 163, 53-67.	1.5	23
20	Intramolecular Charge-Transfer Excited-State Processes in 4-(N,N-Dimethylamino)benzonitrile: The Role of Twisting and the Ï€Ï*f* State. Journal of Physical Chemistry A, 2015, 119, 6232-6243.	1.1	60
21	Spectroscopic studies, DFT calculations, and cytotoxic activity of novel silver(I) complexes of hydroxy ortho-substituted-nitro-2H-chromen-2-one ligands and a phenanthroline adduct. Journal of Inorganic Biochemistry, 2015, 153, 103-113.	1.5	18
22	Adsorption of the Herbicide 4-Chloro-2-methylphenoxyacetic Acid (MCPA) by Goethite. Environmental Science & Technology, 2014, 48, 11803-11810.	4.6	38
23	Lanthanide and transition metal complexes of bioactive coumarins: Molecular modeling and spectroscopic studies. Journal of Inorganic Biochemistry, 2014, 135, 100-112.	1.5	28
24	Effect of the metalâ‹¯metal interactions on the absorption properties of Pt(II) and Pd(II) complexes of glyoxilic acid oxime in solution and solid state: Theoretical and experimental study. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 267, 35-48.	2.0	6
25	NMR, IR and DFT studies of phenylplatinum complexes with O-monodentate coordinated silsesquioxanate and auxiliary phosphine ligands. Journal of Organometallic Chemistry, 2012, 697, 23-32.	0.8	2
26	DFT modeling, UV-Vis and IR spectroscopic study of acetylacetone-modified zirconia sol-gel materials. Journal of Molecular Modeling, 2012, 18, 2409-2422.	0.8	58
27	First principles study of structure and properties of La- and Mn-modified BiFeO3. Solid State Sciences, 2012, 14, 782-788.	1.5	19
28	Molecular structure and spectroscopic studies on novel complexes of coumarin-3-carboxylic acid with Ni(II), Co(II), Zn(II) and Mn(II) ions based on density functional theory. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 84, 275-285.	2.0	26
29	Synthesis and characterization of a dinuclear platinum complex with silsesquioxanate ligand. Journal of Organometallic Chemistry, 2010, 695, 1738-1743.	0.8	7
30	DFT, IR, Raman and NMR study of the coordination ability of coumarin-3-carboxylic acid to Pr(III). Journal of Molecular Structure, 2010, 979, 115-121.	1.8	14
31	Coordination properties of warfarin towards Pr(III) predicted from DFT and FT-IR studies. Chemical Physics, 2010, 374, 37-45.	0.9	5
32	Solvatochromic and Ionochromic Effects of Iron(II)bis(1,10-phenanthroline)dicyano: a Theoretical Study. Inorganic Chemistry, 2010, 49, 1634-1646.	1.9	26
33	Is the CO frequency shift a reliable indicator of coumarin binding to metal ions through the carbonyl oxygen?. Chemical Physics, 2009, 365, 69-79.	0.9	17
34	Multiple adsorption of NO on cobalt-exchanged chabazite, mordenite, and ferrierite zeolites: A periodic density functional theory study. Journal of Chemical Physics, 2009, 131, 054101.	1.2	8
35	DFT-based molecular modeling and vibrational study of the La(III) complex of 3,3â€²-(benzylidene)bis(4-hydroxycoumarin). Journal of Molecular Modeling, 2008, 14, 353-366.	0.8	33
36	Experimental and Theoretical Studies on Biologically Active Lanthanide (III) Complexes. , 2008, , .		1

#	Article	IF	Citations
37	Spectroscopic and Theoretical Studies of a New Cerium (III) Complex with 3,3â€²â€(orthoâ€Pyridinomethylene)diâ€[4â€hydroxycoumarin]. Spectroscopy Letters, 2007, 40, 65-81.	0.5	10
38	Bonding Analyses, Formation Energies, and Vibrational Properties of Mâˆ'R₂dtc Complexes (M = Ag(I), Ni(II), Cu(II), or Zn(II)). Journal of Physical Chemistry A, 2007, 111, 13075-13087.	1.1	31
39	Excited-State Proton Transfer in 7-Hydroxy-4-methylcoumarin along a Hydrogen-Bonded Water Wire. Journal of Physical Chemistry A, 2007, 111, 127-135.	1.1	43
40	Theoretical Study of Metalâˆ'Ligand Interaction in Sm(III), Eu(III), and Tb(III) Complexes of Coumarin-3-Carboxylic Acid in the Gas Phase and Solution. Inorganic Chemistry, 2007, 46, 10926-10936.	1.9	27
41	Vibrational and theoretical study of coumarin-3-carboxylic acid binding mode in Ce(III) and Nd(III) complexes. Vibrational Spectroscopy, 2007, 44, 78-88.	1.2	21
42	Theoretical study of the substituent effect on the intramolecular hydrogen bonds in di(4-hydroxycoumarin) derivatives. International Journal of Quantum Chemistry, 2006, 106, 1304-1315.	1.0	12
43	Spectroscopic and theoretical study of Cu(II), Zn(II), Ni(II), Co(II) and Cd(II) complexes of glyoxilic acid oxime. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 63, 403-415.	2.0	44
44	Comprehensive DFT and MO studies on glyoxilic acid oxime and related ions in gas phase and solution: Conformations, basicities and acidities. Chemical Physics, 2006, 321, 311-324.	0.9	12
45	DFT modeling and spectroscopic study of metalâ€"ligand bonding in La(III) complex of coumarin-3-carboxylic acid. Chemical Physics, 2006, 327, 209-219.	0.9	52
46	Raman, FT-IR and DFT studies ofortho-,meta- andpara-pyridinomethylene substituted di(4-hydroxy-coumarin) and their Ce(III), La(III) and Nd(III) complexes. Journal of Raman Spectroscopy, 2006, 37, 742-754.	1.2	15
47	Characteristic Raman and IR bands of 3,3â€²-benzylidenebis(4-hydroxycoumarin) and its La(III), Ce(III) and Nd(III) complexes. Journal of Raman Spectroscopy, 2006, 37, 808-815.	1.2	10
48	Coordination Properties of the Oxime Analogue of Glycine to Cu(II). Journal of Physical Chemistry A, 2005, 109, 5668-5676.	1.1	46
49	Excited State Properties of 7-Hydroxy-4-methylcoumarin in the Gas Phase and in Solution. A Theoretical Study. Journal of Physical Chemistry A, 2005, 109, 11860-11869.	1.1	62
50	Synthesis and Spectroscopic Study of a New Lanthanum(III) Complex of 3,3â€²â€Benzylidenediâ€4â€hydroxycoumarin. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2004, 34, 1635-1650.	1.8	7
51	Effect of the nature of mendiaxonâˆ'â€"X+ interactions (X+= Na+, Cu+, H+) and the hydrogen bonding on the Î½(C˜...O) behavior: theoretical and spectroscopic study. Chemical Physics, 2004, 300, 119-131.	0.9	13
52	Vibrational properties of glyoxilic acid oxime dimers and tetramer. Vibrational Spectroscopy, 2003, 31, 143-154.	1.2	2
53	Vibrational study of new Pt(II) and Pd(II) complexes with functionalized nitrogen-containing tertiary phosphine oxides. Ab initio study of ortho-, meta- and para-dimethylphosphinylmethyleneoxyaniline. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 169-192.	2.0	6
54	DFT study of hydrogen-bonded dimers and tetramer of glyoxilic acid oxime. Chemical Physics, 2003, 286, 205-217.	0.9	12

#	Article	IF	Citations
55	Conformational stability and vibrational spectrum of glyoxilic acid oxime predicted from ab initio study. Journal of Molecular Structure, 2002, 604, 211-220.	1.8	9
56	IR study of the N,Nâ€²,Nâ€³-triphenylguanidine and its imine nitrogen coordinated Pd(II) complexes. Vibrational Spectroscopy, 2001, 27, 153-164.	1.2	14
57	Barriers to Internal Rotation and Conformational Behaviour of the MESO and D,L Isomers of Pt(II) Complexes with Antitumour Activity. Journal of Coordination Chemistry, 2000, 51, 305-317.	0.8	0
58	Synthesis and vibrational study of platinum(II) and palladium(II) complexes of glyoxilic acid oxime. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 2849-2859.	2.0	9
59	Ab initio study of 1,1-(methylphosphinylidene) bis(methanamine) and vibrational assignment of its N,Nâ€²-coordinated Pt(II) and Pd(II) chloro complexes. Vibrational Spectroscopy, 1999, 20, 133-142.	1.2	3
60	Novel platinum (II) complexes with (pyridyloxymethylene)dimethylphosphine oxides-synthesis, IR and Raman study.. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 477-490.	2.0	4
61	Platinum (II) Compounds With Antitumor Activity Studied by Molecular Mechanics. Metal-Based Drugs, 1998, 5, 91-102.	3.8	2
62	Molecular mechanical and quantum chemical study of the species involved in the hydrolysis ofcis-diamminedichloroplatinum(II) and substitutedbis(ethylenediamine)-dichloroplatinum(II) complexes II. Simulated transition states. Monatshefte FÃ¼r Chemie, 1997, 128, 443-474.	0.9	5
63	Molecular mechanics modelling of Pt(II) complexes with antitumor activity. Influence of the type and the positions of the ring substituents on the conformational energies and thermodynamic stabilities. Monatshefte FÃ¼r Chemie, 1997, 128, 1119-1132.	0.9	2
64	IR and Raman study of Pt(II) and Pd(II) complexes of amino substituted phosphine oxides. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1997, 53, 819-828.	2.0	12