

Vitaliy I Vovna

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6335934/publications.pdf>

Version: 2024-02-01

54
papers

471
citations

706676

14
h-index

889612

19
g-index

56
all docs

56
docs citations

56
times ranked

367
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectron spectra and electronic structure of boron diacetate formazanates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 238, 118441.	2.0	4
2	Interaction of hydroxy substituted dibenzoylmethanatorboron difluoride with hydrated ammonia in solution: A combined spectroscopic and computational study. <i>Journal of Molecular Structure</i> , 2019, 1175, 601-608.	1.8	3
3	Modeling of cationic and excited states of \hat{I}^3 -substituted boron difluoride acetylacetonates. <i>Journal of Molecular Structure</i> , 2019, 1197, 108-116.	1.8	1
4	Halide Perovskite-Derived Compounds $Rb_{2}TeX_{6}$ (X = Cl, Br, and I): Electronic Structure of the Ground and First Excited States. <i>Inorganic Chemistry</i> , 2019, 58, 6796-6803.	1.9	20
5	Spectroscopic and quantum chemical study of difluoroboron \hat{I}^2 -diketonate luminophores: Isomeric acetylnaphtholate chelates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 67-78.	2.0	6
6	Theoretical insights into UV-Vis absorption spectra of difluoroboron \hat{I}^2 -diketonates with an extended \hat{I}^{∞} system: An analysis based on DFT and TD-DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 216, 161-172.	2.0	9
7	Electronic structure and optical properties of boron difluoride naphthaloyl- and anthracenoylacetates. <i>Journal of Luminescence</i> , 2018, 195, 79-86.	1.5	9
8	Boron difluoride dibenzoylmethane derivatives: Electronic structure and luminescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 563-570.	2.0	12
9	Electronic structure of binuclear acetylacetonates of boron difluoride. <i>Journal of Molecular Structure</i> , 2018, 1160, 92-100.	1.8	6
10	<i>Ab initio</i> calculation of energy levels of trivalent lanthanide ions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14564-14577.	1.3	31
11	Photoelectron spectra and electronic structure of nitrogen analogues of boron \hat{I}^2 -diketonates. <i>Journal of Molecular Structure</i> , 2016, 1115, 1-7.	1.8	4
12	Electronic Structure and Optical Properties of Boron Difluoride Dibenzoylmethane Derivatives. <i>Journal of Physical Chemistry A</i> , 2016, 120, 7361-7369.	1.1	20
13	Photoelectron spectra and electronic structure of nitrogen analogues of boron \hat{I}^2 -diketonates with aromatic substituents. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016, 213, 32-38.	0.8	3
14	Application of DFT for the modeling of the valence region photoelectron spectra of boron and $d\hat{a}^{\infty}$ element complexes and macromolecules. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 325-332.	1.0	26
15	Electronic structure and luminescence of antimony (III) halide complexes with N,N \hat{a}^{∞} -diphenylguanidine. <i>Journal of Molecular Structure</i> , 2015, 1091, 138-146.	1.8	14
16	Photoelectron spectra and electronic structure of boron dipropyl imidoamidinates. <i>Journal of Structural Chemistry</i> , 2015, 56, 446-453.	0.3	5
17	Ultraviolet and X-ray photoelectron spectra and the electronic structure of Eu(III) and Lu(III) \hat{I}^2 -diketonate complexes. <i>Journal of Structural Chemistry</i> , 2015, 56, 538-547.	0.3	7
18	Electronic structure of nitrogen-containing intracomplex nickel(II) compounds based on ultraviolet photoelectron spectra and density functional theory. <i>Journal of Structural Chemistry</i> , 2015, 56, 548-556.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Photoelectron spectra and electronic structure of boron acetylacetonates with organic substituents. Russian Journal of Physical Chemistry B, 2014, 8, 626-633.	0.2	4
20	Electronic structure of tris-dibenzoylmethanates of Sc, Y, La rare-earth elements from the results of studies by X-ray photoelectron spectroscopy and density functional theory. Journal of Structural Chemistry, 2014, 55, 1057-1066.	0.3	13
21	Electronic structure of guanidine and its derivatives from X-ray photoelectron spectroscopy and density functional theory studies. Russian Journal of General Chemistry, 2014, 84, 25-32.	0.3	7
22	Luminescence of solvate of boron difluoride dibenzoylmethanate with benzene: Aggregates formation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 119-125.	2.0	22
23	Photoelectron spectra and electronic structure of some spiroborate complexes. Journal of Electron Spectroscopy and Related Phenomena, 2014, 197, 43-49.	0.8	21
24	Electronic structure of octavinyl- and octaphenylsilsesquioxane from XPS and DFT data. Journal of Structural Chemistry, 2013, 54, 515-522.	0.3	2
25	Photoelectron spectra and electronic structure of boron difluoride β^2 -diketonates with aromatic substituents. Russian Journal of Physical Chemistry A, 2013, 87, 688-693.	0.1	18
26	Electronic structure and photoelectron spectra of nickel(II) acetylacetonate. Russian Journal of Physical Chemistry B, 2013, 7, 220-224.	0.2	21
27	Electronic structure and optical properties of boron difluoride dibenzoylmethane F2Bdbm. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 116-121.	0.8	28
28	A study of the crystal structure of chloro- and bromo-substituted acetylacetonates of boron difluoride. Journal of Structural Chemistry, 2012, 53, 1105-1110.	0.3	7
29	Electronic structures and photoelectron spectra of zinc(II) bis- β^2 -diketonates. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2012, 38, 36-43.	0.3	26
30	Excited states and absorption spectra of β^2 -diketonate complexes of boron difluoride with aromatic substituents. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2012, 112, 497-505.	0.2	22
31	Influence of hydration on the optical properties of 2,2-difluoro-4-methylnaphtho-[1,2-e]-1,3,2-dioxaborine. Quantum chemical modeling and experimental study. Russian Chemical Bulletin, 2011, 60, 1537-1544.	0.4	4
32	Electronic and geometric structure of the protonated forms of nickel β^2 -diketonates. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2011, 37, 371-376.	0.3	3
33	Photoelectron spectra and electron structure of boron difluoride ethyl acetate, boron difluoride benzoyl acetate, and its derivatives. Russian Journal of Physical Chemistry A, 2011, 85, 1942-1948.	0.1	16
34	Quantum-chemical studies of the protonation of beryllium β^2 -diketonates. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 436-441.	0.3	2
35	A study of the electronic structure of polyvinylsiloxane (CH ₂ CHSiO _{1.5}) _n by X-ray photoelectron spectroscopy and quantum chemical modeling in the DFT approximation. Journal of Structural Chemistry, 2010, 51, 875-880.	0.3	4
36	Effect of hydration on the luminescence properties of 2,2-difluoro-4-methylnaphtho[2,1-e]-1,3,2-dioxaborine. Quantum chemical modeling and experiment. Russian Chemical Bulletin, 2010, 59, 1041-1046.	0.4	4

#	ARTICLE	IF	CITATIONS
37	The Change in Coordination Mode of Malonodialdehyde Ligands in Be and Mg \hat{I}^2 -Diketonate Complexes. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2005, 31, 390-397.	0.3	1
38	Quantum-chemical modeling of photoelectron spectra and electronic structure of tris- \hat{I}^2 -diketonates of 3d-metals Sc, Ti, V. Journal of Structural Chemistry, 2004, 45, 617-625.	0.3	3
39	DFT and CI Studies of Electronic Structure and Photoionization of Sc, Ti, V, Cr, and Co Tris- \hat{I}^2 -diketonate Complexes. Journal of Structural Chemistry, 2004, 45, 740-747.	0.3	2
40	Photoelectron spectra and electronic structure of some zinc thio- \hat{I}^2 -diketonates. Journal of Electron Spectroscopy and Related Phenomena, 2003, 128, 51-57.	0.8	5
41	Electronic Structure of Ni(II) Acetylacetonate and Its \hat{I}^3 -Substituted Analogs. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2002, 28, 848-850.	0.3	2
42	Title is missing!. Journal of Structural Chemistry, 2002, 43, 727-733.	0.3	0
43	Title is missing!. Journal of Structural Chemistry, 2002, 43, 908-913.	0.3	0
44	Title is missing!. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2001, 27, 664-668.	0.3	1
45	Title is missing!. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2001, 27, 105-111.	0.3	1
46	Chemical Composition of Antifriction Micro-arc Oxide Coatings on Titanium Alloy BT16. Protection of Metals, 2001, 37, 168-172.	0.2	16
47	Electronic Structure of Substituted Magnesium Malonates and Malonic Aldehyde Dianion Associates. Journal of Structural Chemistry, 2001, 42, 177-180.	0.3	0
48	Experimental and theoretical investigation of aluminium, gallium and indium tris-acetylacetonates ground, excited and ionized states nature. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 103-108.	0.8	4
49	The electron relaxation and UP spectra of metal coordination compounds. Journal of Electron Spectroscopy and Related Phenomena, 1998, 96, 141-148.	0.8	5
50	Photoelectron spectroscopy of transition metal complexes. Effect of electron relaxation on spectrum informativity. Journal of Structural Chemistry, 1998, 39, 917-922.	0.3	1
51	The photoelectron spectroscopy and electronic structure of metal \hat{I}^2 -diketonates and their analogs. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 109-117.	0.8	13
52	Electronic structure of some bis- \hat{I}^2 -diketonates of zinc and their thio-analogs. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 119-124.	0.8	5
53	The electronic structure of trifluorobenzoylacetates of Al(III), Ga(III) and In(III). Journal of Electron Spectroscopy and Related Phenomena, 1998, 96, 215-219.	0.8	2
54	The effects of vibrational relaxation on oxygen K-emission spectra short-wave structure of chelate complexes. Journal of Electron Spectroscopy and Related Phenomena, 1994, 68, 223-231.	0.8	1