

# Bojidarka B Ivanova

## List of Publications by Year in descending order

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161  
papers

2,026  
citations

257101

24  
h-index

360668

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170  
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170  
docs citations

170  
times ranked

1342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of reducing-difference procedure for the interpretation of non-polarized infrared spectra of n-component solid mixtures. <i>Talanta</i> , 2006, 69, 822-828.	2.9	89
2	Monoclinic and orthorhombic polymorphs of paracetamolâ€™solid state linear dichroic infrared spectral analysis. <i>Journal of Molecular Structure</i> , 2005, 738, 233-238.	1.8	61
3	Self-Assembly of Hydrogensquarates: Crystal Structures and Properties. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3088-3095.	1.1	58
4	Antimicrobial Isopropenyl-dihydrofuranoisoflavones from <i>Crotalaria lachnophora</i> . <i>Journal of Natural Products</i> , 2011, 74, 272-278.	1.5	55
5	Stereo-structural and IR-spectral characterization of histidine containing dipeptides by means of solid-state IR-LD spectroscopy and ab initio calculations. <i>Journal of Molecular Structure</i> , 2006, 782, 122-129.	1.8	50
6	Crystal structure and solid state IR-LD analysis of a mononuclear Cu(II) complex of 4-aminopyridine. <i>Journal of Coordination Chemistry</i> , 2005, 58, 653-659.	0.8	48
7	On the Origin of the Color in the Solid State. Crystal Structure and Optical and Magnetic Properties of 4-Cyanopyridinium Hydrogensquarate Monohydrate. <i>Journal of Physical Chemistry A</i> , 2008, 112, 2899-2905.	1.1	48
8	Solid-state linear-dichroic infrared spectroscopic analysis of the dipeptide <i>S</i> -Pheâ€™ <i>S</i> -Phe and its mononuclear Au(III) complex. <i>Journal of Coordination Chemistry</i> , 2005, 58, 587-593.	0.8	46
9	Au(III) interaction with Methionine- and Histidine-containing peptides. <i>Journal of Coordination Chemistry</i> , 2004, 57, 217-221.	0.8	44
10	IR-LD spectroscopic characterization of L-Tryptophan containing dipeptides. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 931-938.	2.0	43
11	Solid-state IRâ€™LD spectroscopic and theoretical analysis of glycine-containing peptides and their hydrochlorides. <i>Biopolymers</i> , 2006, 82, 587-596.	1.2	43
12	Spectroscopic and structural elucidation of amino acid derivatives and small peptides: experimental and theoretical tools. <i>Amino Acids</i> , 2010, 38, 45-50.	1.2	39
13	Copperâ€™homocysteine complexes and potential physiological actions. <i>Journal of Inorganic Biochemistry</i> , 2003, 95, 321-333.	1.5	34
14	New Aspects on the Origin of Color in the Solid State. Coherently Shifting of the Protons in Violurate Crystals. <i>Crystal Growth and Design</i> , 2009, 9, 3348-3352.	1.4	32
15	Conformations and properties of the <i>L</i> -tryptophylâ€™containing peptides in solution, depending on the pHâ€™Theoretical study vs. experiments. <i>Biopolymers</i> , 2010, 93, 727-734.	1.2	32
16	A quantitative solid-state Raman spectroscopic method for control of fungicides. <i>Analyst</i> , 2012, 137, 3355-3364.	1.7	32
17	Structure and properties of camptothecin derivatives, their protonated forms, and model interaction with the topoisomerase â€™DNA complex. <i>Biopolymers</i> , 2012, 97, 134-144.	1.2	31
18	New structural motifs and properties of squaric acid anions in the presence of the L-lysinium counterion. <i>Journal of Molecular Structure</i> , 2009, 919, 246-254.	1.8	30

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19	The crystal structure and optical properties of 1-methyl-4-[2-(4-hydroxyphenyl)ethenyl]pyridinium dihydrogenphosphate: New aspects on crystallographic disorder and its effect on polarized solid-state IR spectra. <i>Dyes and Pigments</i> , 2008, 79, 7-13.	2.0	29
20	Salts of aromatic amines: Crystal structures, spectroscopic and non-linear optical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 849-855.	2.0	29
21	On the chemical identification and determination of flavonoids in solid-state. <i>Talanta</i> , 2012, 94, 9-21.	2.9	29
22	A solid-state linear dichroic infrared spectral study of 4-aminopyridine. <i>Vibrational Spectroscopy</i> , 2005, 37, 145-147.	1.2	27
23	Spectroscopic and structural elucidation of 3,4-diaminopyridine and its hydrogentartarate salt: Crystal structure of 3,4-diaminopyridinium hydrogentartarate dihydrate. <i>Journal of Molecular Structure</i> , 2008, 881, 146-155.	1.8	25
24	2-Amino-4-nitroaniline, a Known Compound with Unexpected Properties. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10084-10089.	1.1	24
25	Spectroscopic, theoretical and structural characterization of hydrogensquarates of l-threonyl-l-serine and l-serine. <i>Amino Acids</i> , 2007, 33, 719-725.	1.2	24
26	Gas-phase CT-stabilized Ag(I) and Zn(II) metal-organic complexes Experimental versus theoretical study. <i>Polyhedron</i> , 2011, 30, 2564-2573.	1.0	24
27	AgI and ZnII complexes with possible application as NLO materials Crystal structures and properties. <i>Polyhedron</i> , 2011, 30, 241-245.	1.0	24
28	Evodiamine and rutaecarpine alkaloids as highly selective transient receptor potential vanilloid 1 agonists. <i>International Journal of Biological Macromolecules</i> , 2014, 65, 314-324.	3.6	22
29	Determination of cephalosporins in solid binary mixtures by polarized IR- and Raman spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 201-204.	1.4	20
30	Highly diastereoselective ortho-lithiation of chiral ferrocenecarboxamides. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1845-1854.	1.8	20
31	Physical optical properties and crystal structures of organic 5-sulfosalicylates Theoretical and experimental study. <i>Journal of Molecular Structure</i> , 2011, 1003, 1-9.	1.8	20
32	Solid-state IR-LD spectroscopy of codeine and N-norcodeine derivatives. <i>Open Chemistry</i> , 2006, 4, 533-542.	1.0	18
33	Experimental and theoretical spectroscopic and structural study of A-ring substituted camptothecins. <i>Journal of Molecular Structure</i> , 2012, 1012, 189-197.	1.8	18
34	An Au(III) complex of glycyl-S-serine: a linear polarized IR and <sup>1</sup> H- and <sup>13</sup> C-NMR investigation. <i>Journal of Coordination Chemistry</i> , 2007, 60, 109-115.	0.8	17
35	Crystal structure and spectroscopic properties of ammonium hydrogensquarate squaric acid monohydrate. <i>Structural Chemistry</i> , 2008, 19, 101-107.	1.0	17
36	Determination of phenacetin and salophen analgetics in solid binary mixtures with caffeine by infrared linear dichroic and Raman spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 267-273.	1.4	17

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37	New Au(III), Pt(II) and Pd(II) complexes with glycyl-containing homopeptides. <i>Journal of Coordination Chemistry</i> , 2008, 61, 3534-3548.	0.8	17
38	Matrixes in UV-MALDI mass spectrometry – crystals of organic salts versus co-crystals of neutral polyfunctional carboxylic acids. <i>Analytical Methods</i> , 2012, 4, 2247-2253.	1.3	17
39	Polymorphs of 4-(dihydroxymethyl)pyridinium hydrogensquarate – Crystal structures and spectroscopic properties. <i>Journal of Molecular Structure</i> , 2009, 931, 45-49.	1.8	15
40	Protonation and coordination ability of small peptides – theoretical and experimental approaches for elucidation. <i>Journal of Coordination Chemistry</i> , 2011, 64, 2419-2442.	0.8	15
41	Adsorption of uranium composites onto saltrock oxides – experimental and theoretical study. <i>Journal of Environmental Radioactivity</i> , 2014, 135, 75-83.	0.9	15
42	Synthesis, spectroscopic, thermal and structural elucidation of 5-amino-2-methoxypyridine ester amide of squaric acid ethyl ester: A new material with an infinite pseudo-layered structure and manifested NLO application. <i>Journal of Molecular Structure</i> , 2008, 875, 372-381.	1.8	14
43	Synthesis, spectroscopic and structural elucidation of sympathomimetic amine, tyraminium dihydrogenphosphate. <i>Amino Acids</i> , 2009, 36, 185-193.	1.2	14
44	Novel nonlinear optical materials based on dihydropyridine organic chromophore deposited on mica substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 1073-1077.	1.1	14
45	Optical and nonlinear optical properties of new Schiff™s bases: experimental versus theoretical study of inclusion interactions. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013, 75, 211-221.	1.6	14
46	Solid state linear-dichroic infrared spectral and theoretical analysis of methionine-containing tripeptides. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 56-61.	2.0	13
47	Synthesis, spectroscopic analysis and structure deduction of gold(III), palladium(II) and platinum(II) complexes with the tripeptide glycyl-l-phenylalanyl-glycine. <i>Transition Metal Chemistry</i> , 2008, 33, 911-919.	0.7	13
48	Tyrammonium 4-nitrophthalate dihydrate: structural and spectroscopic elucidation. <i>Amino Acids</i> , 2009, 36, 29-33.	1.2	13
49	Analyses of 4-benzoylpyridine – Crystal structure and spectroscopic properties. <i>Dyes and Pigments</i> , 2009, 82, 95-101.	2.0	13
50	3D structural analysis of copper(II) complex of glycine – Experimental mass spectrometric and theoretical quantum chemical approach. <i>Journal of Molecular Structure</i> , 2019, 1179, 192-204.	1.8	13
51	Linear-dichroic infrared and NMR spectroscopic analysis of an Au(III) complex of glycylmethioninylglycine. <i>Journal of Coordination Chemistry</i> , 2006, 59, 1749-1755.	0.8	12
52	Crystal structure, optical and magnetic properties of the bis(perchlorate) of 3,4-diaminopyridine. <i>Structural Chemistry</i> , 2008, 19, 13-20.	1.0	12
53	Polarized spectroscopic elucidation of N-acetyl-l-cysteine, l-cysteine, l-cystine, l-ascorbic acid and a tool for their determination in solid mixtures. <i>Amino Acids</i> , 2010, 38, 295-304.	1.2	12
54	Stochastic dynamic electrospray ionization mass spectrometric diffusion parameters and 3D structural determination of complexes of AgI™ion – Experimental and theoretical treatment. <i>Journal of Molecular Liquids</i> , 2019, 292, 111307.	2.3	12

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55	A stochastic dynamic mass spectrometric diffusion method and its application to 3D structural analysis of the analytes. <i>Reviews in Analytical Chemistry</i> , 2019, 38, .	1.5	12
56	6-O-acetylcodeine and its hydrogensquarate: Linear-dichroic infrared (IR-LD) spectroscopy. <i>Journal of Molecular Structure</i> , 2006, 794, 138-141.	1.8	11
57	Hydrogenoxalate and squarate salts of (E)-4-(hydroxyiminomethyl)-pyridine – Crystal structures, spectroscopic and theoretical elucidation. <i>Journal of Molecular Structure</i> , 2009, 921, 163-171.	1.8	11
58	Conformation, optical properties, and absolute configuration of 2 $\alpha$ ,3 $\alpha$ -isopropylideneadenosines: Theoretical vs. experimental study. <i>Journal of Molecular Structure</i> , 2011, 1004, 303-312.	1.8	11
59	Stochastic dynamic mass spectrometric quantification of steroids in mixture – Part II. <i>Steroids</i> , 2020, 164, 108750.	0.8	11
60	Stochastic Dynamic Mass Spectrometric Approach to Quantify Reserpine in Solution. <i>Analytical Chemistry Letters</i> , 2020, 10, 703-721.	0.4	11
61	Crystal structure, IR-LD spectroscopic, theoretical and vibrational analysis of valinamide ester amide of squaric acid diethyl ester. <i>Structural Chemistry</i> , 2006, 17, 491-499.	1.0	10
62	Solid-state Raman spectra of non-centrosymmetric crystals – Theoretical vs. experimental study towards an application in THz-regime. <i>Journal of Molecular Structure</i> , 2012, 1016, 47-54.	1.8	10
63	Macromolecular ensembles of cyclodextrin crystallohydrates and clathrates – experimental and theoretical gas – and condense phase study. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 383-391.	3.6	10
64	LIV-MALDI mass spectrometric quantitation of uracil based pesticides in fruit soft drinks along with matrix effects evaluation. <i>Ecotoxicology and Environmental Safety</i> , 2014, 100, 233-241.	2.9	10
65	Quantitative collision induced mass spectrometry of substituted piperazines – A correlative analysis between theory and experiment. <i>Journal of Molecular Structure</i> , 2017, 1149, 243-256.	1.8	10
66	Stochastic dynamic electrospray ionization mass spectrometric diffusion parameters and 3D structural analysis of coordination species of copper(II) ion with glycyllhomopentapeptide and its dimeric associates. <i>Journal of Molecular Liquids</i> , 2019, 282, 70-87.	2.3	10
67	Solid state linear-dichroic infrared (IR-LD) spectroscopic characterization of $\hat{1}\pm$ - and $\hat{1}^2$ -glycine polymorphs. <i>Open Chemistry</i> , 2006, 4, 111-117.	1.0	9
68	Synthesis, spectroscopic and structural elucidation of tyrosinamide hydrogensquarate monohydrate. <i>Amino Acids</i> , 2009, 36, 195-201.	1.2	9
69	Matrix-assisted laser desorption/ionization mass spectrometric analysis of herbicides in dication-containing organic crystals. <i>Analytical Methods</i> , 2012, 4, 4360-4367.	1.3	9
70	On the nature of the coordination bonding of metal – organics for ions with the d 10 electronic configuration – Experimental and theoretical analyses. <i>Polyhedron</i> , 2017, 137, 256-264.	1.0	9
71	A reducing-difference IR-spectral study of 4-aminopyridine. <i>Open Chemistry</i> , 2004, 2, 589-597.	1.0	8
72	Solid-state linear polarized IR-spectroscopy of croconic and rhodizonic acids. <i>Open Chemistry</i> , 2008, 6, 393-399.	1.0	8

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73	L-Leucinamide hydrogensquarate: spectroscopic and structural elucidation. <i>Amino Acids</i> , 2009, 37, 693-701.	1.2	8
74	Benzamidinium acetylsalicylate: crystal structure of the first salt with acetylsalicylate anion. <i>Structural Chemistry</i> , 2009, 20, 533-536.	1.0	8
75	Coordination ability of bradykinin with ZnII- and AgI-metal ions – Experimental and theoretical study. <i>Inorganica Chimica Acta</i> , 2012, 392, 211-220.	1.2	8
76	Structural and spectroscopic study of novel Ag(I) metal-organic complexes with dyes – Experimental vs. theoretical methods. <i>Inorganica Chimica Acta</i> , 2012, 382, 96-104.	1.2	8
77	A novel UV-MALDI-MS analytical approach for determination of halogenated phenyl-containing pesticides. <i>Ecotoxicology and Environmental Safety</i> , 2013, 91, 86-95.	2.9	8
78	Solid-state UV-MALDI-MS assay of transition metal dithiocarbamate fungicides. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1163-1177.	2.7	8
79	Quantitative correlations between collision induced dissociation mass spectrometry coupled with electrospray ionization or atmospheric pressure chemical ionization mass spectrometry – Experiment and theory. <i>Journal of Molecular Structure</i> , 2018, 1157, 492-512.	1.8	8
80	A mass spectrometric stochastic dynamic diffusion approach to selective quantitative and 3D structural analyses of native cyclodextrins by electrospray ionization and atmospheric pressure chemical ionization methods. <i>Bioorganic Chemistry</i> , 2019, 93, 103308.	2.0	8
81	Stochastic Dynamic Electrospray Ionization Mass Spectrometric Quantitative Analysis of Metronidazole in Human Urine. <i>Analytical Chemistry Letters</i> , 2022, 12, 322-348.	0.4	8
82	Title is missing!. <i>Transition Metal Chemistry</i> , 2003, 28, 745-748.	0.7	7
83	Ethyl esters of coumarin-3-phosphonic acid and 1,2-benzoxaphosphorine-3-carboxylic acid: crystal structure, spectroscopic and theoretical elucidation. <i>Structural Chemistry</i> , 2008, 19, 975-982.	1.0	7
84	Synthesis, spectroscopic, structural and theoretical characterization of hydrogensquarate and mononuclear Au(III)-complex of dipeptide phenylalanyltyrosine. <i>Journal of Molecular Structure</i> , 2008, 885, 104-110.	1.8	7
85	Copper(II) complexes with hydroxyl-containing dipeptides glycyl-L-serine and L-seryl-L-tyrosine. <i>Journal of Coordination Chemistry</i> , 2008, 61, 1897-1905.	0.8	7
86	Coordination ability of silver(I) with antimycins and actinomycins – Properties of the T-shaped chromophores. <i>Polyhedron</i> , 2012, 38, 235-244.	1.0	7
87	Derivatives of Ergot-alkaloids: Molecular structure, physical properties, and structure-activity relationships. <i>Journal of Molecular Structure</i> , 2012, 1024, 18-31.	1.8	7
88	Functionalized Ergot-alkaloids as potential dopamine D3 receptor agonists for treatment of schizophrenia. <i>Journal of Molecular Structure</i> , 2012, 1029, 106-118.	1.8	7
89	Organosilver(II) catalyzed C-N coupling reactions – phenazines. <i>Catalysis Science and Technology</i> , 2013, 3, 1129-1135.	2.1	7
90	Raman Spectroscopic and Mass Spectrometric Determination of Aflatoxins. <i>Food Analytical Methods</i> , 2014, 7, 242-256.	1.3	7

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91	Collision-induced thermochemistry of reactions of dissociation of glycyll-homopeptides" An experimental and theoretical analysis. <i>Biopolymers</i> , 2017, 107, 80-89.	1.2	7
92	Mass spectrometric stochastic dynamic 3D structural analysis of mixture of steroids in solution " Experimental and theoretical study. <i>Steroids</i> , 2022, 181, 109001.	0.8	7
93	N1Protonated Salt of Adenine: Solid-State Linear Dichroic Infrared Spectral Analysis. <i>Spectroscopy Letters</i> , 2005, 38, 635-643.	0.5	6
94	3,4-Diaminopyridinium hydrogen squarate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3356-o3356.	0.2	6
95	Are there preferable conformations of the tryptammonium cation in the solid state? Crystal structure and solid-state linear polarized IR-spectroscopic study of tryptammonium hydrogentartarate. <i>Structural Chemistry</i> , 2008, 19, 147-154.	1.0	6
96	Surface interaction and self-assembly of cyclodextrins with organic dyes. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 67, 317-324.	1.6	6
97	Gas-phase stabilized metal complexes of cyclic peptides " theoretical versus experimental study. <i>Journal of Coordination Chemistry</i> , 2012, 65, 1548-1568.	0.8	6
98	Silver(I) and zinc(II) organometallic intermediates, catalysing coupling reactions of polysubstituted benzoic acids " Experimental and theoretical study. <i>Chemical Engineering Journal</i> , 2013, 232, 118-127.	6.6	6
99	Novel pyrrolo-quinazolino-quinoline analogues of the natural alkaloids and their inclusion molecular complexes in the native cyclodextrins: experimental versus theoretical study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013, 76, 87-98.	1.6	6
100	Uranyl-water-containing complexes: solid-state UV-MALDI mass spectrometric and IR spectroscopic approach for selective quantitation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1548-1563.	2.7	6
101	Binding affinity of terrestrial and aquatic humics toward organic xenobiotics. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 498-510.	3.3	6
102	Cation-π-complex of Ag(I) ion with 1H-indole-5-carboxylic acid " Structural analysis and energetics of the M-L bonds. <i>Inorganica Chimica Acta</i> , 2018, 471, 219-222.	1.2	6
103	Experimental and theoretical mass spectrometric quantification of diffusion parameters and 3D structural determination of ions of L-tryptophyl-L-tryptophan in electrospray ionization conditions in positive operation mode. <i>Journal of Molecular Structure</i> , 2018, 1173, 848-864.	1.8	6
104	Electrospray ionization mass spectrometric solvate cluster and multiply charged ions: a stochastic dynamic approach to 3D structural analysis. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	6
105	Physical properties and molecular conformations of indole alkaloids and model protein interactions-theoretical vs. experimental study. <i>Natural Product Communications</i> , 2012, 7, 157-64.	0.2	6
106	Solid-state linear-dichroic IR-spectroscopy of isophorone derivatives with potential non-linear optical application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 1035-1040.	2.0	5
107	Aromatic dipeptides and their salts"Solid-state linear-dichroic infrared (IR-LD) spectral analysis and ab initio calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 324-331.	2.0	5
108	New Au (III), Pt (II) and Pd (II) Complexes with Pentapeptide Glycylglycyl-L-Methionyl-Glycyl-Glycine and Their Interaction with Calf Thymus DNA. <i>Protein and Peptide Letters</i> , 2010, 17, 228-237.	0.4	5

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109	Structural, spectroscopic and theoretical study of novel ephedrinum salt. <i>Journal of Molecular Structure</i> , 2010, 971, 8-11.	1.8	5
110	Substituted benzo[i]phenanthridines as promising topoisomerase-I non-camptothecin targeting agents: an experimental and theoretical study. <i>Medicinal Chemistry Research</i> , 2013, 22, 5204-5217.	1.1	5
111	Noncentrosymmetric organic crystals of barbiturates as potential nonlinear optical phores: experimental and theoretical analyses. <i>Chemical Papers</i> , 2019, 73, 2821-2844.	1.0	5
112	Crystallographic and theoretical study of the atypical distorted octahedral geometry of the metal chromophore of zinc(II) bis((1R,2R)-1,2-diaminocyclohexane) dinitrate. <i>Journal of Molecular Structure</i> , 2022, 1248, 131488.	1.8	5
113	Stochastic dynamic quantitative and 3D structural matrix assisted laser desorption/ionization mass spectrometric analyses of mixture of nucleosides. <i>Journal of Molecular Structure</i> , 2022, 1260, 132701.	1.8	5
114	Spectroscopic and structural elucidation of alanyl-containing dipeptides and their hydrogensquarates. <i>Journal of Molecular Structure</i> , 2008, 877, 79-88.	1.8	4
115	Bis(tyrammonium) sulfate dihydrate: Crystal structure, solid-state IR-spectroscopic and theoretical characterization. <i>Journal of Molecular Structure</i> , 2008, 888, 138-144.	1.8	4
116	Synthesis of Dimethylphosphinyl-substituted $\hat{\pm}$ -Amino(aryl)methylphosphonic Acids and Their Esters. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008, 63, 1192-1198.	0.3	4
117	Tryptammonium (2S,3S)-hydrogentartrate monohydrate [Struct Chem (2008) 19:147-154]: redetermination at 110Å and re-refinement against room temperature data. <i>Structural Chemistry</i> , 2009, 20, 565-567.	1.0	4
118	2-(Phenylethyl)ammonium hydrogensquarate hemihydrate: crystal structure, solid-state IR-spectroscopic and theoretical characterization. <i>Amino Acids</i> , 2010, 39, 309-314.	1.2	4
119	Molecular design, synthesis and physical properties of novel Cytisine-derivatives – Experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2013, 1034, 173-182.	1.8	4
120	Simultaneous quantitation of naturally occurring insecticides, acaricides, and piscicides in rapeseed oil by UV-MALDI mass spectrometry. <i>Journal of Food Measurement and Characterization</i> , 2014, 8, 15-28.	1.6	4
121	Molecular and environmental factors governing non-covalent bonding interactions and conformations of phosphorous functionalized $\hat{3}$ -cyclodextrin hydrate systems. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 263-272.	3.6	4
122	Synthesis of Dimethylphosphinoyl Substituted $\hat{\pm}$ -Aminoarylmethanephosphonates. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005, 60, 215-220.	0.3	3
123	Protonation of benzimidazoles and 1,2,3-benzotriazoles – Solid-state linear dichroic infrared (IR-LD) spectral analysis and ab initio calculations. <i>Journal of Molecular Structure</i> , 2006, 797, 144-153.	1.8	3
124	Cyclohexylammonium hydrogensquarate hemihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4852-o4852.	0.2	3
125	Benzamidinium d-glucuronate: Spectroscopic and structural elucidation. <i>Journal of Molecular Structure</i> , 2008, 879, 30-39.	1.8	3
126	Stabilization of Neutral NH <sub>2</sub> -R-COOH Form of the Antihypertensive Peptides L-Valyl-L-Prolyl-L-Proline and L-Isoleucyl-L-Prolyl-L-Proline. <i>Protein and Peptide Letters</i> , 2009, 16, 112-115.	0.4	3



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127	Two novel violurate and squarate salts of cinchonine – Structures and physical properties. Journal of Molecular Structure, 2010, 965, 89-97.	1.8	3
128	Physical Properties and Molecular Conformations of Indole Alkaloids and Model Protein Interactions – Theoretical vs. Experimental Study. Natural Product Communications, 2012, 7, 1934578X1200700.	0.2	3
129	Molecular design and physical properties of highly functionalized configurationally locked polyenes – an experimental and theoretical study. Journal of Materials Chemistry C, 2013, 1, 6278-6298.	2.7	3
130	Factors stabilizing the gas-phase ionic species of crystals of organic salts – Experimental and theoretical study. Journal of Molecular Structure, 2013, 1036, 226-234.	1.8	3
131	Quantitation of phenyl-amide and phthalimide fungicide formulations in solid-state via UV-MALDI mass spectrometry – matrix effects in soils. Journal of Soils and Sediments, 2015, 15, 917-925.	1.5	3
132	Solid-state UV-MALDI mass spectrometric quantitation of fluroxypyr and triclopyr in soil. Environmental Geochemistry and Health, 2015, 37, 557-574.	1.8	3
133	Environmental modeling of uranium interstitial compositions of non-stoichiometric oxides: experimental and theoretical analysis. Environmental Geochemistry and Health, 2016, 38, 1051-1066.	1.8	3
134	Behaviour of complexes of –elements in the environment – An experimental and theoretical analysis. Journal of Molecular Structure, 2017, 1127, 199-211.	1.8	3
135	Electrospray ionization stochastic dynamic mass spectrometric 3D structural analysis of Zn <sup>II</sup> –ion containing complexes in solution. Inorganic and Nano-Metal Chemistry, 2022, 52, 1407-1429.	0.9	3
136	Mass spectrometric and quantum chemical treatments of molecular and ionic interactions of apigenine-O-glucoside – stochastic dynamics. , 0, , .		3
137	IR-spectral study of photoinduced tautomerization in 1,3-diphenyl-pyrazol-5-one. Open Chemistry, 2003, 1, 356-365.	1.0	2
138	Crystal structures and physical properties of 5-sulfosalicylate and violurate metal-organic crystals – experimental versus theoretical study. Journal of Coordination Chemistry, 2012, 65, 2055-2073.	0.8	2
139	On the Biosynthetic Pathway of Papaverine via (S)-Reticuline – Theoretical vs. Experimental Study. Natural Product Communications, 2012, 7, 1934578X1200700.	0.2	2
140	Quantitative Analysis of Substituted N,N-Dimethyl-tryptamines in the Presence of Natural Type XII Alkaloids. Natural Product Communications, 2012, 7, 1934578X1200701.	0.2	2
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