

Rosica Nikolova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Acylpyrazolones possessing a heterocyclic moiety in the acyl fragment: intramolecular vs. intermolecular zwitterionic structures. <i>New Journal of Chemistry</i> , 2022, 46, 1080-1086.	2.8	1
2	Indium silicate with an imandrite-type structure. <i>RSC Advances</i> , 2022, 12, 12531-12536.	3.6	0
3	Effect of urea on arrangement of novel Mg(II) perhenate crystal structures and their optical properties: Experimental and theoretical insight. <i>Journal of Solid State Chemistry</i> , 2022, 312, 123263.	2.9	2
4	Crystalline adducts of urea with magnesium iodide. <i>Journal of Molecular Structure</i> , 2021, 1224, 129009.	3.6	2
5	1,2-Disubstituted Planar Chiral Ferrocene Derivatives from Sulfonamide-Directed <i>ortho</i> -Lithiation: Synthesis, Absolute Configuration, and Chiroptical Properties. <i>Organometallics</i> , 2021, 40, 578-590.	2.3	14
6	Three-Dimensional (3D) Microporous Iron Silicate with an Imandrite Type of Structure. <i>Inorganic Chemistry</i> , 2021, 60, 4563-4568.	4.0	4
7	Surface Properties of 1DTiO ₂ Microrods Modified with Copper (Cu) and Nanocavities. <i>Nanomaterials</i> , 2021, 11, 324.	4.1	1
8	New Heterocyclic Combretastatin A-4 Analogs: Synthesis and Biological Activity of Styryl-2(3H)-benzothiazolones. <i>Pharmaceuticals</i> , 2021, 14, 1331.	3.8	3
9	Estrone derived 2-naphthol analogue in the diastereoselective one-pot Betti-condensation. <i>Molecular Diversity</i> , 2020, 24, 1343-1353.	3.9	4
10	Crystal Chemistry and Properties of Elpidite and Its Ag-Exchanged Forms. <i>Minerals (Basel)</i> , 2020, 10, 382.	2.0	8
11	Spontaneous conversion of <i>ortho</i> -tosylates of 2-(piperazin-1-yl)ethanols into chlorides during classical tosylation procedure. <i>Royal Society Open Science</i> , 2019, 6, 181840.	2.4	4
12	Anti-enteroviral activity of new MDL-860 analogues: Synthesis, in vitro/in vivo studies and QSAR analysis. <i>Bioorganic Chemistry</i> , 2019, 85, 487-497.	4.1	10
13	Redox properties of alluaudite sodium cobalt manganese sulfates as high-voltage electrodes for rechargeable batteries. <i>Chemical Communications</i> , 2018, 54, 5466-5469.	4.1	12
14	Hepatotoxicity and antioxidant activity of some new <i>N,N</i> -disubstituted benzimidazole-2-thiones, radical scavenging mechanism and structure-activity relationship. <i>Arabian Journal of Chemistry</i> , 2018, 11, 353-369.	4.9	29
15	Betti Bases from 4-(3-pyridazo)naphthol: Synthesis, Coordination Behaviour and Unusual Substitution Reactions. <i>ChemistrySelect</i> , 2018, 3, 12017-12021.	1.5	3
16	Synthesis of 4-acetyl-2(3 <i>H</i>)-benzothiazolone: Sulfur bioisostere of benzoxazolone allelochemicals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 905-910.	1.6	1
17	Synthesis and anti-enterovirus activity of new analogues of MDL-860. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4540-4543.	2.2	7
18	Synthesis of ferrocenylmethylidene and arylidene substituted camphane based compounds as potential anticancer agents. <i>New Journal of Chemistry</i> , 2017, 41, 9103-9112.	2.8	8

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19	Microwave assisted synthesis and X-ray structure of a novel anthracene-derived aminophosphonate. Enantioseparation of two \pm -aminophosphonates and genotoxicity in vivo. Phosphorus, Sulfur and Silicon and the Related Elements, 2017, 192, 403-409.	1.6	8
20	Combretastatin A-4 analogues with benzoxazolone scaffold: Synthesis, structure and biological activity. European Journal of Medicinal Chemistry, 2016, 120, 121-133.	5.5	40
21	Synthesis, Crystal Structure and Cytotoxic Properties of Nitrocombretastatins (E)- and (Z)-5-(4-Methoxy-3-nitrostyryl)-1,2,3-trimethoxybenzene. Journal of Chemical Crystallography, 2016, 46, 105-112.	1.1	0
22	From K^+ to alluaudite-type of structure: novel method of synthesis of sodium manganese sulfates with electrochemical properties in alkali-metal ion batteries. Journal of Materials Chemistry A, 2015, 3, 22287-22299.	10.3	42
23	Conformational behaviour of 3-methyl-4-(4-methylbenzoyl)-1-phenyl-pyrazol-5-one: a sudden story of three desmotropes. RSC Advances, 2015, 5, 73859-73867.	3.6	8
24	Controlled Tautomeric Switching in Azonaphthols Tuned by Substituents on the Phenyl Ring. ChemPhysChem, 2015, 16, 649-657.	2.1	13
25	Cytisine as a scaffold for ortho-diphenylphosphinobenzenecarboxamide ligands for Pd-catalyzed asymmetric allylic alkylation. Journal of Organometallic Chemistry, 2015, 778, 10-20.	1.8	15
26	Synthesis, crystal structure and biological activity screening of novel N-(\pm -bromoacyl)- \pm -amino esters containing valyl moiety. Acta Chimica Slovenica, 2015, 62, 689-699.	0.6	3
27	Synthesis and transformations of polysubstituted diastereomeric 5-oxomorpholin-2-carboxylic acids. Comptes Rendus Chimie, 2014, 17, 420-430.	0.5	9
28	Raman study of phonons in CaMnO_3 . Effects of structural modulation and structural transition. Physical Review B, 2014, 89, .	3.2	12
29	Synthesis, growth, structural, thermal, optical properties of new metal-organic crystals: Methyltriphenylphosphonium iodide thiourea and methyltriphenylphosphonium iodide chloroform hemisolvate. Journal of Crystal Growth, 2013, 376, 41-46.	1.5	11
30	Temperature-induced phase transformations of the Ca -type zirconosilicate $\text{Na}_3\text{HZrSi}_2\text{O}_8 \cdot 0.4\text{H}_2\text{O}$. Materials Research Bulletin, 2013, 48, 2029-2033.	5.2	1
31	Controlled shift in the tautomeric equilibrium of 4-((phenylimino)methyl)naphthalen-1-ol. Journal of Molecular Structure, 2013, 1036, 267-273.	3.6	9
32	Highly efficient synthesis of chiral aminoalcohols and aminodiols with camphane skeleton. Tetrahedron: Asymmetry, 2013, 24, 1426-1434.	1.8	11
33	Synthesis of 1,3-aminonaphthols by diastereoselective Betti-type aminoalkylation of dihydroxy naphthalenes; diastereoselectivity, absolute configuration, and application. Tetrahedron: Asymmetry, 2013, 24, 1453-1466.	1.8	14
34	Synthesis, characterization, and crystal structure of 2-iodo-3,4,5-trimethoxybenzoic acid. Journal of Molecular Structure, 2013, 1034, 318-324.	3.6	3
35	Phonon and magnon Raman scattering in Cu_2O . Physical Review B, 2013, 88, .	3.2	10
36	Anthracene-Derived Bis-Aminophosphonates: Crystal Structure, In Vitro Antitumor Activity, and Genotoxicity In Vivo. Phosphorus, Sulfur and Silicon and the Related Elements, 2013, 188, 1535-1547.	1.6	11

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55	Effect of Doping on the Structure and Raman Spectra of Bi ₄ Ge ₃ O ₁₂ . , 2010, , .		2
56	(4-Carbamoylphenyl)boronic acid. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1273-o1273.	0.2	3
57	Synthesis, growth and optical spectroscopy studies of BaBiBO ₄ and CaBi ₂ B ₂ O ₇ crystals. Applied Physics B: Lasers and Optics, 2010, 101, 185-192.	2.2	10
58	Growth and characterization of La ₂ CoMnO ₆ crystals doped with Pb. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 172, 80-84.	3.5	6
59	Ammonium hydrogen (RS)-[(5-methyl-2-oxo-1,3-oxazolidin-3-yl)methyl]phosphonate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o6-o6.	0.2	0
60	Crystal structure of a new small-pore zirconosilicate Na ₂ ZrSi ₂ O ₇ ·H ₂ O and its relation to stoichiometrically and topologically similar compounds. Solid State Sciences, 2009, 11, 382-388.	3.2	11
61	Growth and characterization of large La _{1-x} Pb _x MnO ₃ (x=0.32-0.35) crystals. Crystal Research and Technology, 2009, 44, 1192-1196.	1.3	3
62	Lattice distortions in a crystal caused by doping with copper. Solid State Communications, 2009, 149, 1616-1618.	1.9	5
63	Crystal structure and properties of the copper(II) complex of sodium monensin A. Journal of Inorganic Biochemistry, 2009, 103, 1419-1424.	3.5	24
64	Structure, conformation and hydrogen bonding of two amino-cycloalkanespiro-5-hydantoins. Open Chemistry, 2009, 7, 14-19.	1.9	7
65	A new monoclinic polymorph of dichloridotetrakis(dimethyl sulfoxide)ruthenium(II). Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m1023-m1023.	0.2	0
66	(±)-Ethyl 6,7-dimethoxy-1-(1 <i>H</i> -pyrrol-2-yl)-1,2,3,4-tetrahydroisoquinoline-2-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1796-o1796.	0.2	0
67	Synthesis and crystal structure of a Pt(II) complex with 3-amino-5-methyl-5-phenylhydantoin. Journal of Coordination Chemistry, 2007, 60, 1701-1707.	2.2	7
68	Synthesis and Characterization of Partially Substituted at Lower Rim Phosphorus Containing Calix(4)arenes. Supramolecular Chemistry, 2007, 19, 447-457.	1.2	2
69	X-ray diffraction study of a Bi ₄ Ge ₃ O ₁₂ crystal. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 138, 35-40.	3.5	14
70	4-Phenylpyridinium 3-carboxy-2,3-dihydroxypropanoate dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2511-o2511.	0.2	0
71	The pyridinium-betaine of squaric acid. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o3259-o3259.	0.2	2
72	1,2,3,4-Tetrahydroisoquinolinium hydrogensquarate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o3353-o3354.	0.2	2

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73	Isoquinolin-1(2H)-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4751-o4751.	0.2	1
74	Four cycloalkanespiro-4 $\hat{\epsilon}$ -imidazolidine-2 $\hat{\epsilon}$,5 $\hat{\epsilon}$ -dithiones. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, o211-o215.	0.4	10
75	[(4,4-Dimethyl-2-oxo-1,3-oxazolidin-3-yl)methyl]phosphonic acid. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, o661-o662.	0.4	4
76	Codeinone. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o255-o257.	0.2	1
77	Sodium hydrogensquarate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m1359-m1361.	0.2	3
78	3 $\hat{\epsilon}$ -Aminocyclohexanespiro-5 $\hat{\epsilon}$ -hydantoin $\hat{\epsilon}$ phenylboronic acid (1/1). Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3887-o3889.	0.2	2
79	Phosphoamide $\hat{\epsilon}$ modified p-tert-butyl calix[4]arene and its sodium complexes. Polyhedron, 2006, 25, 2261-2268.	2.2	3
80	Stereoselective Lewis acid promoted Kharasch-type addition of 3-bromoacetyl-2-oxazolidinones to norbornadiene. Tetrahedron: Asymmetry, 2005, 16, 1085-1089.	1.8	5
81	2-(3-Benzoyl-1-pyridinio)-3,4-dioxocyclobutenolate. Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, o213-o215.	0.4	7
82	Dimorphism in 3 $\hat{\epsilon}$ -aminocyclohexanespiro-5 $\hat{\epsilon}$ -hydantoin. Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, o524-o526.	0.4	3
83	[1-(Hydroxyethylammonio)propyl]phosphonate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o134-o136.	0.2	2
84	2-{3-[(E)-(3,4-Dimethoxyphenyl)ethenyl]-5,5-dimethylcyclohex-2-enylidene}malononitrile. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o550-o552.	0.2	5
85	(3RS,4RS)-3-(2-Furyl)-2-phenethyl-4-(pyrrolidin-1-ylcarbonyl)-3,4-dihydroisoquinolin-1(2H)-one. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2248-o2250.	0.2	1
86	6-O-Acetylcodeine. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2582-o2584.	0.2	2
87	(R)-2-[(2-Ethoxy-3,4-dioxocyclobut-1-en-1-yl)amino]-3-phenylpropanamide hemihydrate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o634-o636.	0.2	2
88	Zwitterionic 2-guanidinium-1-aminocarboxylate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o447-o449.	0.2	3
89	Neodymium Diselenite Selenious Acid Dihydrate: Structure and Conformation of the Se2O5Group. Acta Crystallographica Section C: Crystal Structure Communications, 1998, 54, 699-701.	0.4	6
90	Molecular Adducts of Inorganic Salts. VI. The Dimorphism of Cd(ReO4)2.2tu (tu = Thiourea). Acta Crystallographica Section C: Crystal Structure Communications, 1996, 52, 1935-1939.	0.4	4

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91	Structures of molecular adducts of inorganic salts. I. $\text{Pb}(\text{ReO}_4)_2 \cdot \text{Urea} \cdot \text{H}_2\text{O}$ and $\text{Ba}(\text{ReO}_4)_2 \cdot 3 \text{Urea}$. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1995, 210, .	0.8	7
92	Structures of molecular adducts of inorganic salts. II. $\text{Ca}(\text{ReO}_4)_2 \cdot \text{Urea} \cdot \text{H}_2\text{O}$. <i>Zeitschrift Für Kristallographie</i> , 1995, 210, 319-322.	1.1	8