

# Pavel V Dorovatovskii

## List of Publications by Year in descending order

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219  
papers

2,683  
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236925

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222  
docs citations

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2973  
citing authors

#	ARTICLE	IF	CITATIONS
1	Belok/XSA Diffraction Beamline for Studying Crystalline Samples at Kurchatov Synchrotron Radiation Source. <i>Crystal Research and Technology</i> , 2020, 55, 1900184.	1.3	156
2	Crystal Structure of DMF-Intermediate Phases Uncovers the Link Between CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Morphology and Precursor Stoichiometry. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20739-20743.	3.1	126
3	Solution Processing of Methylammonium Lead Iodide Perovskite from $\beta$ -Butyrolactone: Crystallization Mediated by Solvation Equilibrium. <i>Chemistry of Materials</i> , 2018, 30, 5237-5244.	6.7	100
4	High-Throughput Small-Molecule Crystallography at the "Belok"™ Beamline of the Kurchatov Synchrotron Radiation Source: Transition Metal Complexes with Azomethine Ligands as a Case Study. <i>Crystals</i> , 2017, 7, 325.	2.2	92
5	Tuning the Molecular and Cationic Affinity in a Series of Multifunctional Metal-Organic Frameworks Based on Dodecanuclear Zn(II) Carboxylate Wheels. <i>Journal of the American Chemical Society</i> , 2019, 141, 17260-17269.	13.7	83
6	Unusual Tri-, Hexa-, and Nonanuclear Cu(II) Cage Methylsilsesquioxanes: Synthesis, Structures, and Catalytic Activity in Oxidations with Peroxides. <i>Inorganic Chemistry</i> , 2017, 56, 4093-4103.	4.0	54
7	Copper-Catalyzed Transformation of Hydrazones into Halogenated Azabutadienes, Versatile Building Blocks for Organic Synthesis. <i>ACS Catalysis</i> , 2017, 7, 205-209.	11.2	42
8	Towards the surface hydroxyl species in CeO <sub>2</sub> nanoparticles. <i>Nanoscale</i> , 2019, 11, 18142-18149.	5.6	41
9	High-Cluster (Cu <sub>9</sub> ) Cage Silsesquioxanes: Synthesis, Structure, and Catalytic Activity. <i>Inorganic Chemistry</i> , 2018, 57, 11524-11529.	4.0	40
10	High Catalytic Activity of Heterometallic (Fe <sub>6</sub> Na <sub>7</sub> and Fe <sub>6</sub> Na <sub>6</sub> ) Cage Silsesquioxanes in Oxidations with Peroxides. <i>Catalysts</i> , 2017, 7, 101.	3.5	37
11	Cage-like Fe,Na-Germesquioxanes: Structure, Magnetism, and Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15360-15363.	13.8	36
12	Family of Polynuclear Nickel Cage-like Phenylsilsesquioxanes; Features of Periodic Networks and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017, 56, 12751-12763.	4.0	36
13	Si <sub>10</sub> Cu <sub>6</sub> N <sub>4</sub> Cage Hexacoppersilsesquioxanes Containing N Ligands: Synthesis, Structure, and High Catalytic Activity in Peroxide Oxidations. <i>Inorganic Chemistry</i> , 2017, 56, 15026-15040.	4.0	36
14	Formamidinium iodide: crystal structure and phase transitions. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 569-572.	0.5	35
15	Formamidinium Haloplumbate Intermediates: The Missing Link in a Chain of Hybrid Perovskites Crystallization. <i>Chemistry of Materials</i> , 2020, 32, 7739-7745.	6.7	35
16	The impact of alicyclic substituents on the extraction ability of new family of 1,10-phenanthroline-2,9-diamides. <i>RSC Advances</i> , 2020, 10, 26022-26033.	3.6	34
17	Ionic Complexes of Tetra- and Nonanuclear Cage Copper(II) Phenylsilsesquioxanes: Synthesis and High Activity in Oxidative Catalysis. <i>ChemCatChem</i> , 2017, 9, 4437-4447.	3.7	33
18	Bioluminescence chemistry of fireworm <i>Odontosyllis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18911-18916.	7.1	33

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19	Tuning linkage isomerism and magnetic properties of bi- and tri-metallic cage silsesquioxanes by cation and solvent effects. Dalton Transactions, 2017, 46, 12935-12949.	3.3	32
20	Halogen bonding in Wagner-Meerwein rearrangement products. Journal of Molecular Liquids, 2018, 249, 949-952.	4.9	32
21	Effect of the L499M mutation of the ascomycetous <i>Botrytis aclada</i> laccase on redox potential and catalytic properties. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 2913-2923.	2.5	31
22	Diels-Alder reactions between hexafluoro-2-butyne and bis-furyl dienes: kinetic versus thermodynamic control. Chemical Communications, 2018, 54, 2850-2853.	4.1	31
23	Solid-State Reactions of Eicosaborate [B <sub>20</sub> H <sub>18</sub> ] <sup>2-</sup> Salts and Complexes. Chemistry - A European Journal, 2017, 23, 16819-16828.	3.3	30
24	Towards the Molecular Design of Spin-Crossover Complexes of 2,6-Bis(pyrazol-3-yl)pyridines. Chemistry - A European Journal, 2020, 26, 5629-5638.	3.3	28
25	Hydrohydrazination of Arylalkynes Catalyzed by an Expanded Ring N-Heterocyclic Carbene (NHC) Gold Complex Under Solvent-Free Conditions. Advanced Synthesis and Catalysis, 2016, 358, 1463-1468.	4.3	27
26	Hybrid Macrocycles for Selective Binding and Sensing of Fluoride in Aqueous Solution. Journal of Organic Chemistry, 2018, 83, 2145-2153.	3.2	26
27	Heteroleptic Pd(II) and Pt(II) Complexes with Redox-Active Ligands: Synthesis, Structure, and Multimodal Anticancer Mechanism. Inorganic Chemistry, 2022, 61, 2105-2118.	4.0	26
28	Synthesis, structure, photo- and electroluminescent properties of bis{(4-methyl-N-[2-[(E)-2-pyridyliminomethyl]phenyl]benzenesulfonamide}zinc(II). Polyhedron, 2017, 133, 231-237.	2.2	25
29	Synthesis and characterization of a series of novel metal complexes of N-heterocyclic azo-colorants derived from 4-azo-pyrazol-5-one. Polyhedron, 2017, 121, 41-52.	2.2	25
30	Hydrolysis of Mg(BH <sub>4</sub> ) <sub>2</sub> and its coordination compounds as a way to obtain hydrogen. Journal of Power Sources, 2018, 377, 93-102.	7.8	25
31	Structural insight into the molecular basis of polyextremophilicity of short-chain alcohol dehydrogenase from the hyperthermophilic archaeon Thermococcus sibiricus. Biochimie, 2012, 94, 2628-2638.	2.6	23
32	Family of penta- and hexanuclear metallasilsesquioxanes: Synthesis, structure and catalytic properties in oxidations. Journal of Organometallic Chemistry, 2018, 867, 133-141.	1.8	23
33	Coordination Affinity of Cu(II)-Based Silsesquioxanes toward N,N-Ligands and Associated Skeletal Rearrangements: Cage and Ionic Products Exhibiting a High Catalytic Activity in Oxidation Reactions. Inorganic Chemistry, 2020, 59, 4536-4545.	4.0	22
34	Elucidation of the crystal structure of <i>Coriolopsis caperata</i> laccase: restoration of the structure and activity of the native enzyme from the T2-depleted form by copper ions. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 854-861.	2.5	21
35	Tridecanuclear Cu <sup>II</sup> <sub>11</sub> Na <sub>2</sub> Cage-like Silsesquioxanes. Crystal Growth and Design, 2018, 18, 5377-5384.	3.0	21
36	Cold Crystallization of Glassy Polylactide during Solvent Crazing. ACS Applied Materials & Interfaces, 2017, 9, 34325-34336.	8.0	20

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37	Pd-PEPPSI complexes based on 1,2,4-triazol-3-ylidene ligands as efficient catalysts in the Suzuki–Miyaura reaction. <i>Russian Chemical Bulletin</i> , 2018, 67, 79-84.	1.5	20
38	Novel titanium (IV) complexes with 1,2-diolate ligands: Synthesis, structure and catalytic activities in ultra-high molecular weight polyethylene production. <i>Journal of Organometallic Chemistry</i> , 2018, 877, 85-91.	1.8	20
39	Speciation of Zn and Cu in Technosol and evaluation of a sequential extraction procedure using XAS, XRD and SEM–EDX analyses. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2301-2315.	3.4	20
40	Size Effects in Nanocrystalline Thoria. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23167-23176.	3.1	19
41	Methylammonium Polyiodides: Remarkable Phase Diversity of the Simplest and Low-Melting Alkylammonium Polyiodide System. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5776-5780.	4.6	19
42	Synthesis and structure of new polyhedral Ni, Na- and Cu, Na-metallasiloxanes with tolyl substituent at the silicon atom. <i>RSC Advances</i> , 2016, 6, 22052-22060.	3.6	18
43	Positional Effects from $\pi$ -Bonded Platinum(II) on Intersystem Crossing Rates in Perylenediimide Complexes: Synthesis, Structures, and Photophysical Properties. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13848-13862.	3.1	18
44	Hypervalent iodine compounds for anti-Markovnikov-type iodo-oxyimination of vinylarenes. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2146-2155.	2.2	18
45	Nickel(II) complexes with tripodal NNN ligands as homogenous and supported catalysts for ethylene oligomerization. <i>Molecular Catalysis</i> , 2019, 464, 29-38.	2.0	18
46	First synthesis of heterocyclic allenes – benzazecine derivatives. <i>New Journal of Chemistry</i> , 2017, 41, 1902-1904.	2.8	17
47	Cellulose-Based Hydrogels and Aerogels Embedded with Silver Nanoparticles: Preparation and Characterization. <i>Gels</i> , 2021, 7, 82.	4.5	17
48	Incorporation of copper ions into crystals of T2 copper-depleted laccase from <i>Botrytis aclada</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 1465-1469.	0.8	16
49	Optimization of the key steps of synthesis and study of the fundamental physicochemical properties of high energy compounds – 4-(2,2,2-trinitroethyl)-2,6,8,10,12-pentanitrohexaazaisowurtzitane and 4,10-bis(2,2,2-trinitroethyl)-2,6,8,12-tetranitrohexaazaisowurtzitane. <i>Russian Chemical Bulletin</i> , 2017, 66, 1066-1073.	1.5	16
50	Synthesis of (+)-camphor-based N-acylhydrazones and their antiviral activity. <i>MedChemComm</i> , 2018, 9, 2072-2082.	3.4	16
51	Synthesis of new p-tert-butylcalix[4]arene-based polyammonium triazolyl amphiphiles and their binding with nucleoside phosphates. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1980-1993.	2.2	16
52	Redox-mediated formation of plutonium oxide nanoparticles. <i>Dalton Transactions</i> , 2018, 47, 11239-11244.	3.3	16
53	Cu(II)-silsesquioxanes as efficient precatalysts for Chan-Evans-Lam coupling. <i>Journal of Organometallic Chemistry</i> , 2020, 906, 121022.	1.8	16
54	Imidazol-5-one as an Acceptor in Donor–Acceptor Cyclopropanes: Cycloaddition with Aldehydes. <i>Organic Letters</i> , 2020, 22, 2740-2745.	4.6	16

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55	Coordination Properties of Hydroxyisophthalic Acids: Topological Correlations, Synthesis, Structural Analysis, and Properties of New Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 9180-9192.	3.3	16
56	New Cu <sub>4</sub> Na <sub>4</sub> - and Cu <sub>5</sub> -Based Phenylsilsesquioxanes. Synthesis via Complexation with 1,10-Phenanthroline, Structures and High Catalytic Activity in Alkane Oxidations with Peroxides in Acetonitrile. <i>Catalysts</i> , 2019, 9, 701.	3.5	15
57	The first tris-heteroleptic copper cage, ligated by germsesquioxanes, 2,2'-bipyridines and 3,5-dimethylpyrazolates. Synthesis, structure and unique catalytic activity in oxidation of alkanes and alcohols with peroxides. <i>Journal of Organometallic Chemistry</i> , 2019, 899, 120911.	1.8	15
58	High-energy 4(10)-2-fluoro-2,2-dinitroethyl and 4(10)-2,2-dinitropropyl derivatives of polynitrohexaazaisowurtzitanes. <i>Russian Chemical Bulletin</i> , 2019, 68, 110-115.	1.5	15
59	Mesomorphic and structural properties of liquid crystalline side-chain polymethacrylates: from smectic C* to columnar phases. <i>Liquid Crystals</i> , 2019, 46, 825-834.	2.2	15
60	The effect of spacer and alkyl tail lengths on the photoorientation processes in amorphousized films of azobenzene-containing liquid crystalline polymethacrylates. <i>Liquid Crystals</i> , 2020, 47, 377-383.	2.2	15
61	Easy construction of furo[2,3-f]isoindole core by the IMDAV reaction between 3-(furyl)allylamines and 1,2-unsaturated acid anhydrides. <i>Tetrahedron</i> , 2016, 72, 2239-2253.	1.9	14
62	Cu <sub>42</sub> Ge <sub>24</sub> Na <sub>4</sub> – A Giant Trimetallic Sesquioxane Cage: Synthesis, Structure, and Catalytic Activity. <i>Catalysts</i> , 2018, 8, 484.	3.5	14
63	Novel alkoxo-titanium(IV) complexes with fluorinated 2-hydroxymethylphenol derivatives as catalysts for the formation of ultra-high molecular weight polyethylene nascent reactor powders. <i>Inorganica Chimica Acta</i> , 2019, 498, 119159.	2.4	14
64	Cu <sub>6</sub> - and Cu <sub>8</sub> -Cage Sil- and Germsesquioxanes: Synthetic and Structural Features, Oxidative Rearrangements, and Catalytic Activity. <i>Inorganic Chemistry</i> , 2021, 60, 8062-8074.	4.0	14
65	Exploitation of knowledge databases in the synthesis of zinc(II) malonates with photo-sensitive and photo-insensitive $\text{C}=\text{C}$ -containing linkers. <i>IUCr</i> , 2018, 5, 293-303.	2.2	14
66	Covalent modifications of the catalytic tyrosine in octahaem cytochrome <i>c</i> nitrite reductase and their effect on the enzyme activity. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 144-153.	2.5	13
67	An Intramolecular Diels-Alder Furan (IMDAF) Approach towards the Synthesis of Isoindolo[2,1-a]quinazolines and Isoindolo[1,2-b]quinazolines. <i>Synthesis</i> , 2017, 49, 3749-3767.	2.3	13
68	Synthesis and reactivity in ethylene oligomerization by heteroscorpionate dibromonickel(II) complexes. <i>Inorganica Chimica Acta</i> , 2017, 458, 58-67.	2.4	13
69	New one-, two-, and three-dimensional metal-organic frameworks based on magnesium(II): synthesis and structure. <i>Russian Chemical Bulletin</i> , 2020, 69, 360-368.	1.5	13
70	Novel titanium(IV) diolate complexes with additional O-donor as precatalyst for the synthesis of ultrahigh molecular weight polyethylene with reduced entanglement density: Influence of polymerization conditions and its implications on mechanical properties. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6256.	3.5	13
71	Ferroelectric C* phase induced in a nematic liquid crystal matrix by a chiral non-mesogenic dopant. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	12
72	Structure and functional studies of the ribonuclease binase Glu43Ala/Phe81Ala mutant. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 991-996.	2.5	11

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73	Isolation, purification, crystallization, and preliminary X-ray diffraction study of the crystals of HU protein from <i>M. gallisepticum</i> . <i>Crystallography Reports</i> , 2015, 60, 880-883.	0.6	11
74	Crystal structure and electronic states of Co and Gd ions in a Gd <sub>0.4</sub> Sr <sub>0.6</sub> CoO <sub>2.85</sub> single crystal. <i>JETP Letters</i> , 2016, 103, 196-200.	1.4	11
75	[1,2,5]Oxadiazolo[3,4-d]pyridazine 1,5,6-trioxides: efficient synthesis via the reaction of trifluoroacetic acids and structural characterization. <i>Tetrahedron Letters</i> , 2018, 59, 3143-3146.	1.4	11
76	One-pot acid-free ferrocenylalkylation of azoles with ferrocenyl alcohols: ferrocene-based plant growth regulators and herbicide safeners. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5228.	3.5	11
77	Intense multi-colored luminescence in a series of rare-earth metal-organic frameworks with aliphatic linkers. <i>Dalton Transactions</i> , 2021, 50, 11899-11908.	3.3	11
78	Exploring Cage-like Silsesquioxane Building Blocks for the Design of Heterometallic Cu <sub>4</sub> /M <sub>4</sub> Architectures. <i>Crystal Growth and Design</i> , 2022, 22, 2146-2157.	3.0	11
79	A new approach to modification of polyelectrolyte capsule shells by magnetite nanoparticles. <i>Crystallography Reports</i> , 2011, 56, 880-883.	0.6	10
80	Optical readout of controlled monomer-dimer self-assembly. <i>Dalton Transactions</i> , 2018, 47, 14169-14173.	3.3	10
81	Synthesis and crystal structure of a new hybrid methylammonium iodocuprate. <i>Mendeleev Communications</i> , 2018, 28, 245-247.	1.6	10
82	Dichloro-substituted 1,2-diazabuta-1,3-dienes as Highly Reactive Electrophiles in the Reaction with Amines and Diamines: Efficient Synthesis of Hydrazo Amidinium Salts. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4996-5006.	2.4	10
83	Efficient synthesis of new tricyclic pyrano[3,2-c]pyridine derivatives. <i>Mendeleev Communications</i> , 2019, 29, 232-233.	1.6	10
84	The First Heterometallic Acetate-Bridged Pt(II)-Pd(II) Complex: Synthesis, Structure, and Formation of Bimetallic PtPd <sub>2</sub> Nanoparticles. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2019, 45, 253-265.	1.0	10
85	Nuclearity control in calix[4]arene-based zinc coordination complexes. <i>CrystEngComm</i> , 2020, 22, 7693-7703.	2.6	10
86	Synthesis and spectral characterization of the first fluorescein-tagged iron clathrochelates, their supramolecular interactions with globular proteins, and cellular uptake. <i>RSC Advances</i> , 2021, 11, 8163-8177.	3.6	10
87	Ionic Cyclopropenium-Derived Triplatinum Cluster Complex [(Ph) <sub>3</sub> C <sub>3</sub> ] <sub>2</sub> Pt <sub>3</sub> (MeCN) <sub>4</sub> ·2(BF <sub>4</sub> ) <sub>2</sub> ·10H <sub>2</sub> O: Synthesis, Structure, and Perspectives for Use as a Catalyst for Hydrosilylation Reactions. <i>Organometallics</i> , 2021, 40, 3876-3885.	2.3	10
88	Hydride transfer reactions of 5-(2-alkoxybenzylidene) barbituric acids: Synthesis of 2,4,6-trioxoperhydropyrimidine-5-spiro-3 <sup>2</sup> -chromanes. <i>Tetrahedron</i> , 2017, 73, 542-549.	1.9	9
89	Efficient synthesis of tetrazole derivatives of cytosine using the azido-Ugi reaction. <i>Tetrahedron</i> , 2018, 74, 4315-4322.	1.9	9
90	One-Pot Synthesis of Thieno[2,3-b]pyridine and Pyrido[3 <sup>2</sup> ,2 <sup>2</sup> :4,5]thieno[3,2-d]pyrimidine Derivatives. <i>Russian Journal of Organic Chemistry</i> , 2020, 56, 974-982.	0.8	9

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91	Tetrahedral Silicon-Centered Dibenzoylmethanoboron Difluorides: Synthesis, Crystal Structure, and Photophysical Behavior in Solution and the Solid State. <i>ChemPlusChem</i> , 2020, 85, 1111-1119.	2.8	9
92	Metal-organic frameworks from pre-synthesized heterometallic (d-f) complexes: Synthesis, structure and luminescent properties. <i>Inorganica Chimica Acta</i> , 2021, 517, 120216.	2.4	9
93	LSSmScarlet, dCyRFP2s, dCyOFP2s and CRISPRed2s, Genetically Encoded Red Fluorescent Proteins with a Large Stokes Shift. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12887.	4.1	9
94	Station for X-ray structural analysis of materials and single crystals (including nanocrystals) on a synchrotron radiation beam from the wiggler at the Siberia-2 storage ring. <i>Crystallography Reports</i> , 2007, 52, 1108-1115.	0.6	8
95	Structure of octaheme cytochrome c nitrite reductase from <i>Thioalkalivibrio nitritireducens</i> in a complex with phosphate. <i>Crystallography Reports</i> , 2010, 55, 58-64.	0.6	8
96	Expression, purification, crystallization and preliminary crystallographic analysis of a thermostable DNA ligase from the archaeon <i>Thermococcus sibiricus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 163-165.	0.7	8
97	Crystal Structure of Tris-(2,3,5,6-Tetrafluorobenzoato)Scandium [Sc(C <sub>6</sub> F <sub>4</sub> HCO <sub>2</sub> ) <sub>3</sub> ]. <i>Journal of Structural Chemistry</i> , 2018, 59, 494-496.	1.0	8
98	Multicomponent Synthesis of Thiazole, Selenazole, Pyrane, and Pyridine Derivatives, Initiated by the Knoevenagel Reaction. <i>Russian Journal of Organic Chemistry</i> , 2019, 55, 215-226.	0.8	8
99	The binding of precipitant ions in the tetragonal crystals of hen egg white lysozyme. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 5159-5172.	3.5	8
100	Influence of intermolecular contacts on the structure of recombinant prolidase from <i>Thermococcus sibiricus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 1275-1278.	0.7	7
101	Interaction between maleic acid and <i>N</i> - <i>R</i> -furfurylamines: crystal structure of 2-methyl- <i>N</i> -[(5-phenylfuran-2-yl)methyl]propan-2-aminium (2 <i>Z</i> )-3-carboxyacrylate and <i>N</i> -[(5-iodofuran-2-yl)methyl]-2-methylpropan-2-aminium (2 <i>Z</i> )-3-carboxyprop-2-enoate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 515-519.	0.5	7
102	36-Nuclear anionic cobalt(II) and nickel(II) complexes in solid-phase insertion reactions. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017, 43, 801-806.	1.0	7
103	First platinum(II)-alkaline-earth acetate-bridged complexes Pt(II)(m-OAc) <sub>4</sub> M(II)(AcOH) <sub>4</sub> (M = Ca, Sr, Ba). <i>Mendeleev Communications</i> , 2018, 28, 200-201.	1.6	7
104	Evidence for Indirect Action of Ionizing Radiation in 18-Crown-6 Complexes with Halogenous Salts of Strontium: Simulation of Radiation-Induced Transformations in Ionic Liquid/Crown Ether Compositions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1992-2000.	2.6	7
105	Origination and Transformation of the Monoclinic and Orthorhombic Phases in Reactor Powders of Ultrahigh Molecular Weight Polyethylene. <i>Physics of the Solid State</i> , 2018, 60, 1897-1902.	0.6	7
106	Unexpected formation of dinaphthoaza-17-crown-5 ether containing $\hat{I}^3$ -aminopiperidine subunit. <i>Mendeleev Communications</i> , 2019, 29, 698-699.	1.6	7
107	Synthesis, crystal molecular structure, and magnetic characteristics of coordination polymers formed by Co(II) diketonates with pentaheterocyclic triphenodioxazines. <i>New Journal of Chemistry</i> , 2021, 45, 304-313.	2.8	7
108	Synthesis, structure, and PDE inhibiting activity of the anionic DNIC with 5-(3-pyridyl)-4H-1,2,4-triazole-3-thioly, the nitric oxide donor. <i>Inorganica Chimica Acta</i> , 2021, 527, 120559.	2.4	7

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109	Structural features of selenate based {Mo132} keplerate capsules. CrystEngComm, 0, , .	2.6	7
110	Structure and Ion-Selective Properties of 2-Phosphorylphenols. Russian Journal of General Chemistry, 2018, 88, 1867-1873.	0.8	6
111	Molecular and Crystal Structure of 1-(4-Fluorophenyl)-1,4-Dihydro-1H-Tetrazole-5-Thione and Its Complex with Cadmium(II). Journal of Structural Chemistry, 2018, 59, 1658-1663.	1.0	6
112	New Synthesis of Functionalized Nicotinamides. Russian Journal of Organic Chemistry, 2019, 55, 1019-1033.	0.8	6
113	Development of a Microfluidic Chip for Protein Crystallization by the Microbatch Method. Crystallography Reports, 2019, 64, 282-286.	0.6	6
114	Multicomponent synthesis and molecular structure of 3-amino-2-aryl(alkoxycarbonyl,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (ar Heterocyclic Compounds, 2019, 55, 442-447.	1.2	6
115	Synthesis, characterization, DFT calculations, and biological activity of copper(II) complexes with 1,1,1-trifluoro-4-(2-methoxyphenyl)butan-2,4-dione. Journal of Molecular Structure, 2019, 1176, 515-528.	3.6	6
116	Structural peculiarities and luminescence of europium dipivaloylmethanates with 2,2'-bipyridine derivatives. Polymorphism of [Eu(DPM)3Bpy]. Inorganica Chimica Acta, 2020, 502, 119294.	2.4	6
117	Impact of flexible succinate connectors on the formation of tetrasulfonylcalix[4]arene based Nano-sized polynuclear cages: structural diversity and induced chirality study. CrystEngComm, 0, , .	2.6	6
118	Crystalline State Hydrogen Bonding of 2-(2-Hydroxybenzylidene)Thiazolo[3,2-a]Pyrimidines: A Way to Non-Centrosymmetric Crystals. Crystals, 2022, 12, 494.	2.2	6
119	Structures of Î²-glycosidase from Acidilobus saccharovorans in complexes with tris and glycerol. Doklady Biochemistry and Biophysics, 2013, 449, 99-101.	0.9	5
120	A simple approach to determine the polarization coefficient at synchrotron radiation stations. Journal of Applied Crystallography, 2014, 47, 1449-1451.	4.5	5
121	The synthesis, characterization, and structure of (ThioH) 2 [OsX 6 ] (X = Cl, Br). Polyhedron, 2017, 134, 114-119.	2.2	5
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215	Crystal structure of bis[1-phenyl-3-methyl-4-[(quinolin-3-yl)iminomethyl- $\delta^2$ N]-1 <i>H</i> -pyrazol-5-olato- $\delta^2$ O]zinc methanol 2.5-solvate from synchrotron X-ray diffraction. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1208-1212.	0.5	0
216	Novel multicomponent synthesis of 6,7-dihydro-5 <i>H</i> -cyclopenta[ <i>b</i> ]pyridine derivatives. Chemistry of Heterocyclic Compounds, 2020, 56, 1592-1598.	1.2	0

#	ARTICLE	IF	CITATIONS
217	Crystal structures of ( <i>E</i> )-5-(4-methylphenyl)-1-(pyridin-2-yl)pent-2-en-4-yn-1-one and [3,4-bis(phenylethynyl)cyclobutane-1,2-diyl]bis(pyridin-2-ylmethanone). Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 192-196.	0.5	0
218	Study of a reliquary cross from the Novodevichy Convent with natural science techniques. Rossijskaja Arheologija, 2020, , 165-183.	0.2	0
219	Synthesis, supramolecular isomerism, and photoluminescence of scandium( <sup>iii</sup> ) complexes with a tetrafluoroterephthalate ligand. CrystEngComm, 2022, 24, 2057-2071.	2.6	0