

# Robert Fayzullin

## List of Publications by Citations

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84  
papers

705  
citations

14  
h-index

22  
g-index

112  
ext. papers

933  
ext. citations

3.5  
avg, IF

4.5  
L-index

#	Paper	IF	Citations
84	Bio-Inspired Mn(I) Complexes for the Hydrogenation of CO <sub>2</sub> to Formate and Formamide. <i>ACS Catalysis</i> , <b>2017</b> , 7, 3864-3868	13.1	147
83	Chiral drug timolol maleate as a continuous solid solution: Thermochemical and single crystal X-ray evidence. <i>CrystEngComm</i> , <b>2012</b> , 14, 648-655	3.3	31
82	Transfer Hydrogenation of Carbonyl Groups, Imines and N-Heterocycles Catalyzed by Simple, Bipyridine-Based Mn(I) Complexes. <i>ChemCatChem</i> , <b>2019</b> , 11, 3844-3852	5.2	29
81	Crystallization Features of the Chiral Drug Timolol Precursor: The Rare Case of Conglomerate with Partial Solid Solutions. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 1676-1683	3.5	26
80	Chiral para-alkyl phenyl ethers of glycerol: synthesis and testing of chirality driven crystallization, liquid crystal, and gelating properties. <i>Tetrahedron: Asymmetry</i> , <b>2013</b> , 24, 807-816		25
79	The Assembly of Unique Hexanuclear Copper(I) Complexes with Effective White Luminescence. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 1048-1057	5.1	24
78	Crystal structure and phase behavior of the tolyl glycerol ethers. From the conglomerate former to the chirality-driven nanogelator. <i>CrystEngComm</i> , <b>2012</b> , 14, 211-222	3.3	18
77	Adamantyl thioureas as soluble epoxide hydrolase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2018</b> , 28, 2302-2313	2.9	17
76	Intramolecular non-covalent interactions as a strategy towards controlled photoluminescence in copper(I) complexes. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1638-1645	7.1	16
75	Controlled and Reversible Stepwise Growth of Linear Copper(I) Chains Enabled by Dynamic Ligand Scaffolds. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16267-16271	16.4	16
74	Intriguing Near-Infrared Solid-State Luminescence of Binuclear Silver(I) Complexes Based on Pyridylphospholane Scaffolds. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 7698-7704	5.1	15
73	Metal-metal cooperative bond activation by heterobimetallic alkyl, aryl, and acetylide Pt/Cu complexes. <i>Chemical Science</i> , <b>2020</b> , 11, 5494-5502	9.4	15
72	Intricate Phase Behavior and Crystal Structure Features of Chiral para-Methoxyphenyl Glycerol Ether Forming Continuous and Partial Solid Solutions. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 271-283	3.5	14
71	Nickel(II) Complexes with Electron-Rich, Sterically Hindered PNP Pincer Ligands Enable Uncommon Modes of Ligand Dearomatization. <i>Organometallics</i> , <b>2019</b> , 38, 4433-4447	3.8	14
70	Intermolecular head-to-head interaction of carbonyl groups in bicyclic hydrogen-bonded synthon based on $\beta$ -hydroxy ketones. <i>CrystEngComm</i> , <b>2019</b> , 21, 1587-1599	3.3	12
69	Solubility and some crystallization properties of conglomerate forming chiral drug guaifenesin in water. <i>Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 103, 3176-82	3.9	12
68	Controlled and Reversible Stepwise Growth of Linear Copper(I) Chains Enabled by Dynamic Ligand Scaffolds. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16485-16489	3.6	11

67	Stable Nickel(I) Complexes with Electron-Rich, Sterically-Hindered, Innocent PNP Pincer Ligands. <i>Organometallics</i> , <b>2019</b> , 38, 1581-1594	3.8	10
66	Dynamic Pd /Cu Multimetallic Assemblies as Molecular Models to Study Metal-Metal Cooperation in Sonogashira Coupling. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 12168-12179	4.8	10
65	Facile and reversible double dearomatization of pyridines in non-phosphine Mn complexes with N,S-donor pyridinophane ligand. <i>Chemical Communications</i> , <b>2019</b> , 55, 3282-3285	5.8	10
64	X-ray Charge Density Study of the Drug Methimazole with Z <sup>2+</sup> = 2: Differences in the Electronic Structure of the Thiourea Core due to Crystal Packing Effects. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 2074-2090	3.5	9
63	Structural aspects of partial solid solution formation: two crystalline modifications of a chiral derivative of 1,5-dihydro-2H-pyrrol-2-one under consideration. <i>CrystEngComm</i> , <b>2017</b> , 19, 7277-7286	3.3	9
62	Crystallographic evidence of side-arm lariat effect in the series of chiral ortho- and para-methoxyphenoxy-methyl-15-crown-5 complexes with sodium perchlorate. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1032, 176-184	3.4	9
61	Hydrogenation of Alkenes Catalyzed by a Non-pincer Mn Complex. <i>ChemCatChem</i> , <b>2020</b> , 12, 5912-5918	5.2	9
60	Orbital-Free Quantum Crystallographic View on Noncovalent Bonding: Insights into Hydrogen Bonds, $\pi$ - $\pi$ and Reverse Electron Lone Pair- $\pi$ Interactions. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 7789-7809	4.8	9
59	Cyclometalated Nickel Complexes as Key Intermediates in C(sp <sup>2</sup> )-H Bond Functionalization: Synthesis, Catalysis, Electrochemical Properties, and DFT Calculations. <i>Organometallics</i> , <b>2019</b> , 38, 1254-1263	3.8	9
58	Phosphine-catalyzed bishydrophosphorylation of electron-deficient alkynes. <i>Tetrahedron</i> , <b>2019</b> , 75, 2676-2686	4.6	8
57	Doubly enantiophobic behavior during crystallization of racemic 1,5-dihydro-2H-pyrrol-2-one thioether. <i>CrystEngComm</i> , <b>2018</b> , 20, 3218-3227	3.3	8
56	Triboluminescence of a new family of Cu-NHC complexes in crystalline solid and in amorphous polymer films. <i>Chemical Science</i> , <b>2020</b> , 11, 10814-10820	9.4	8
55	Copper or Silver-Mediated Oxidative C(sp <sup>2</sup> )-H/N-H Cross-Coupling of Phthalimide and Heterocyclic Arenes: Access to N-Arylphthalimides. <i>Organometallics</i> , <b>2019</b> , 38, 3617-3628	3.8	7
54	Aryl C-H Bond-Forming Reductive Elimination from High-Valent Mn <sup>IV</sup> -Aryl Complexes. <i>Organometallics</i> , <b>2019</b> , 38, 4409-4419	3.8	7
53	Three-Component [1 + 1 + 1] Cyclopropanation with Ruthenium(II). <i>Organometallics</i> , <b>2018</b> , 37, 2609-2617	3.8	7
52	Highly sensitive mechano-controlled luminescence in polymer films modified by dynamic Cu-based cross-linkers. <i>Chemical Communications</i> , <b>2020</b> , 56, 50-53	5.8	7
51	X-ray charge density study of the 6-methyluracil derivative in the crystal: Revealing, consequences, and multipole refinement of minor static disorder. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1228, 129724	3.4	7
50	Conglomerate formative precursor of chiral drug timolol: 3-(4-Morpholino-1,2,5-thiadiazol-3-yloxy)-propane-1,2-diol. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1088, 111-117	3.4	6

49	Phase behavior and crystal structure of 3-(1-naphthoxy)- and 3-(4-indolyloxy)-propane-1,2-diol, synthetic precursors of chiral drugs propranolol and pindolol. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1045, 104-111	3.4	6
48	Synthesis and extraction properties of some lariat ethers derived from the spontaneously resolved guaifenesin, 3-(2-methoxyphenoxy)propane-1,2-diol. <i>Arkivoc</i> , <b>2011</b> , 2011, 16-32	0.9	6
47	Interplay between the Conformational Flexibility and Photoluminescent Properties of Mononuclear Pyridinophanecopper(I) Complexes. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10009-10027	5.1	5
46	Lariat ethers in the chiral recognition of amino acid esters: electrospray ionization mass spectrometry investigation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2014</b> , 80, 417-426	1.7	5
45	Tandem dihetero-Diels-Alder and Huisgen cycloaddition reactions. Synthesis, crystal structure and hydrolysis of the novel cage phosphoranes. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 3113-3128	5.2	5
44	Crystallization of Chiral para-n-Alkylphenyl Glycerol Ethers: Phase Diversity and Impressive Predominance of Homochiral Guaifenesin-Like Supramolecular Motif. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 3980-3987	3.5	4
43	One-Electron Reduction of Acenaphthene-1,2-Diimine Nickel(II) Complexes. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 2979-2987	4.5	4
42	Mass spectrometric investigation of the side-arm lariat effect of ortho- and para-methoxyphenoxy-methyl-15-crown-5 in the gas phase. <i>Journal of Analytical Chemistry</i> , <b>2013</b> , 68, 1178-1182	1.1	4
41	Synthesis of water-soluble bis-N,O-chelate nickel(II) complexes based on new ligands $\square$ P-pyridyl-containing phospholane oxides. <i>Russian Chemical Bulletin</i> , <b>2018</b> , 67, 1206-1211	1.7	4
40	[Co(NHC)(CO) <sub>3</sub> ]: Isolation and Reactivity Study of a Model 17-Electron Species in the Oxo Process. <i>Organometallics</i> , <b>2021</b> , 40, 500-507	3.8	4
39	From racemic epichlorohydrin to a single enantiomer of the drug timolol maleate. <i>Tetrahedron: Asymmetry</i> , <b>2015</b> , 26, 797-801		3
38	Electrochemical and catalytic properties of nickel(II) complexes with bis(imino)acenaphthene and diazadiphosphacyclooctane ligands. <i>Mendeleev Communications</i> , <b>2020</b> , 30, 302-304	1.9	3
37	Unusual rearrangement of modified PNP ligand based Ru complexes relevant to alcohol dehydrogenation catalysis. <i>Chemical Communications</i> , <b>2019</b> , 55, 11350-11353	5.8	3
36	Comparative analysis of interactions of some lariat crown ethers and their unsubstituted analogues with alkali metal salts in the gas phase by MALDI mass spectrometry. <i>Journal of Analytical Chemistry</i> , <b>2014</b> , 69, 1229-1236	1.1	3
35	Crystal Structure of Dacarbazine, Metoclopramide, and Acetylcholine Pentacyanopropenides. <i>Journal of Structural Chemistry</i> , <b>2020</b> , 61, 928-937	0.9	3
34	Assembly of Heterometallic Au/Cu Cores on the Scaffold of NPPN-Bridging Cyclic Bisphosphine. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 5402-5411	5.1	3
33	Reactions of Arylenedioxytrihalophosphoranes with Acetylenes: XV.1 Reaction of 2,2,2-Tribromo-4,6-di-tert-butylbenzo-1,3,2B-dioxaphospho-1,3,2B-dioxaphosphole with Pent-1-yne. <i>Russian Journal of General Chemistry</i> , <b>2018</b> , 88, 2290-2295	0.7	3
32	New Charge Transfer Cocrystals of F2TCNQ with Polycyclic Aromatic Hydrocarbons: Acceptor-Acceptor Interactions and Their Contribution to Supramolecular Arrangement and Charge Transfer. <i>Crystal Growth and Design</i> , <b>2022</b> , 22, 751-762	3.5	3

31	Reversible temperature-responsive emission in solutions within 293B33 K produced by dissociative behavior of multinuclear Cu(I) complexes with aminomethylphosphines. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 498, 119125	2.7	2
30	Synthesis and structure of stereoisomers of 3,4-benzo-5,10-diphenyl-1,3-diaza-7-oxa-6-phosphabicyclo[4.3.1]decane-2,6-dione. <i>Mendeleev Communications</i> , <b>2019</b> , 29, 150-152	1.9	2
29	Synthesis and some features of phase behavior of chiral p-alkoxyphenyl glycerol ethers. <i>Russian Journal of Organic Chemistry</i> , <b>2015</b> , 51, 202-209	0.7	2
28	2,2,2-Trichloro-4-methoxy-1,3,2-benzodioxaphosphole in the reactions with terminal acetylenes. <i>Mendeleev Communications</i> , <b>2020</b> , 30, 34-37	1.9	2
27	Cobalt Complexes of Bulky PNP Ligand: H <sub>2</sub> Activation and Catalytic Two-Electron Reactivity in Hydrogenation of Alkenes and Alkynes. <i>Organometallics</i> ,	3.8	2
26	Thermally Stable Nitrothiacalixarene Chromophores: Conformational Study and Aggregation Behavior. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
25	Packing Polymorphism on the Example of 5-Hydroxy-1-(4-Methylbenzyl)-3-Chloro-4-[(4-Chlorophenyl)Sulfanyl]-1,5-Dihydro-2H-Pyrrol-2-One: A Crystallographic, Thermochemical, and Spectroscopic Study. <i>Journal of Structural Chemistry</i> , <b>2020</b> , 61, 476-488	0.9	2
24	Proton-responsive naphthyridinone-based Ru complexes and their reactivity with water and alcohols. <i>Dalton Transactions</i> , <b>2020</b> , 49, 12756-12766	4.3	2
23	CHIRALITY-DEPENDENT HYDROGEN BONDING AND ENERGY OF 1-BENZYL-3-BROMO-5-HYDROXY-4-[(4-METHYLPHENYL)SULFANYL]-1,5-DIHYDRO-2PYRROLE-2-ONE DIASTEREOMORPHS. <i>Journal of Structural Chemistry</i> , <b>2021</b> , 62, 727-739	0.9	2
22	The second example of doubly enantiophobic behavior during crystallization: a detailed crystallographic, thermochemical and spectroscopic study. <i>CrystEngComm</i> , <b>2021</b> , 23, 3907-3918	3.3	2
21	[2-(2-Nitrophenyl)oxiran-1-yl](aryl(methyl))ketones in the synthesis of 3-hydroxyquinolin-4(1H)-ones and 2-arylquinolines. <i>Russian Chemical Bulletin</i> , <b>2019</b> , 68, 1020-1024	1.7	1
20	Synthesis of racemic P-chiral phosphine oxides and phosphonium salts by stepwise reaction of phosphacoumarins with organomagnesium compounds. <i>Journal of Organometallic Chemistry</i> , <b>2020</b> , 918, 121313	2.3	1
19	The reaction of 4-(1,3,2-benzodioxaphosphol-2-yloxy)-3-tert-butylpent-4-en-2-one with hexafluoroacetone. <i>Mendeleev Communications</i> , <b>2019</b> , 29, 506-508	1.9	1
18	Chiral lariat ethers based on spontaneously resolved 3-(2-cyanophenoxy)propane-1,2-diol. <i>Russian Journal of Organic Chemistry</i> , <b>2014</b> , 50, 611-613	0.7	1
17	Chiral (2-cyanophenoxy)methyl-15-crown-5 in diastereomeric discrimination of amino acid esters according to the data of electrospray ionization mass spectrometry. <i>Russian Journal of Organic Chemistry</i> , <b>2015</b> , 51, 1642-1648	0.7	1
16	Transformations of triple-bridged binuclear copper(I) complexes based on P,N-ligands under aerobic recrystallization. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1-5	1	1
15	Insight into the influence of terminal ligands on magnetic exchange coupling in a series of dimeric copper(II) acetate adducts. <i>International Journal of Quantum Chemistry</i> , <b>2020</b> , 120, e26145	2.1	1
14	Copper(II) Complexes with N,O-Hybrid Ligands based on Pyridyl-Containing Phospholane Oxides. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2020</b> , 46, 600-607	1.6	1

13	Chirality, Gelation Ability and Crystal Structure: Together or Apart? Alkyl Phenyl Ethers of Glycerol as Simple LMWGs. <i>Symmetry</i> , <b>2021</b> , 13, 732	2.7	1
12	C–I Bond Elimination from High-Valent Mn Aryl Complexes. <i>Organometallics</i> , <b>2021</b> , 40, 2320-2331	3.8	1
11	3-(4-Phosphoryl-4-methyl-2-oxopentyl)-3-hydroxyindolin-2-ones, the first phosphorus analogues of natural convolutamydines. <i>Mendeleev Communications</i> , <b>2018</b> , 28, 292-294	1.9	1
10	Photoinduced Trifluoromethylation of Arenes and Heteroarenes Catalyzed by High-Valent Nickel Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 24620-24629	16.4	1
9	Construction of modular Pd/Cu multimetallic chains ligand- and anion-controlled metal-metal interactions. <i>Chemical Communications</i> , <b>2021</b> , 57, 10206-10209	5.8	1
8	Synthesis and Properties of N,N'-Disubstituted Ureas and Their Isosteric Analogs Containing Polycyclic Fragments: XIV. N-[(Adamantan-1-yl)(phenyl)methyl]-N'-substituted Ureas and Symmetrical Bis-ureas. <i>Russian Journal of Organic Chemistry</i> , <b>2022</b> , 58, 259-267	0.7	1
7	Reaction of R-pulegone with P <sup>III</sup> phosphonium salts. <i>Mendeleev Communications</i> , <b>2020</b> , 30, 700-702	1.9	0
6	Photoinduced Trifluoromethylation of Arenes and Heteroarenes Catalyzed by High-Valent Nickel Complexes. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 24825	3.6	0
5	Polymorphism in a benzo[b][1,4]diazepine derivative: Crystal structure, phase behavior and selective influence of solvents. <i>Mendeleev Communications</i> , <b>2022</b> , 32, 274-277	1.9	0
4	Crystal Structure of Chiral Drug Prenalterol and Its Precursor Prone to Spontaneous Resolution. <i>Symmetry</i> , <b>2022</b> , 14, 1150	2.7	0
3	Synthesis and coordination properties of phospholanopyridinium hydrochlorides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2019</b> , 194, 502-505	1	
2	Bis-chelate nickel(II) complex with a 1,5-diaza-3,7-diphosphacyclooctane ligand: Solid-state structure and redox properties. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2019</b> , 194, 337-338	1	
1	Bis-chelate iron(II) complex with a 1,5-diaza-3,7-diphosphacyclooctane ligand: X-ray structure and redox properties. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2019</b> , 194, 353-354	1	