

Elvira I Musina

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

761
citations

16
h-index

23
g-index

95
ext. papers

905
ext. citations

2.3
avg, IF

3.88
L-index

#	Paper	IF	Citations
92	Synthesis and Crystal and Molecular Structures of 1,3-Di-p-tolyl-5-(5'-allyl 2'-ethoxybenzyl)-1,3,5-diazaphosphacyclohexane Complexes with Ni(II) and Pt(II) Salts. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2022 , 48, 189-194	1.6	
91	Proton sponge effect and apoptotic cell death mechanism of Ag-Re6 nanocrystallites derived from the assembly of $[\{\text{Re}_6\text{S}_8(\text{OH})_6(\text{H}_2\text{O})\}]_4$ with Ag ⁺ ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 129312	5.1	1
90	Assembly of Heterometallic Au/Cu Cores on the Scaffold of NPPN-Bridging Cyclic Bisphosphine. <i>Inorganic Chemistry</i> , 2021 , 60, 5402-5411	5.1	3
89	Platinum(II) Complexes with 10-(Aryl)phenoxarsines: Synthesis, Cis/Trans Isomerization, and Luminescence. <i>Inorganic Chemistry</i> , 2021 , 60, 6804-6812	5.1	1
88	Luminescent Cu-cubane clusters based on -methyl-5,10-dihydrophenarsazines. <i>Dalton Transactions</i> , 2021 , 50, 13421-13429	4.3	2
87	Binuclear charged copper(I) complex as a multimode luminescence thermal sensor. <i>Sensors and Actuators A: Physical</i> , 2021 , 325, 112722	3.9	5
86	Electrochemical and catalytic properties of nickel(II) complexes with bis(imino)acenaphthene and diazadiphosphacyclooctane ligands. <i>Mendeleev Communications</i> , 2020 , 30, 302-304	1.9	3
85	Rearrangement of two 8-membered 1,5-diaza-3,7-diphosphacyclooctane rings into 16-membered P4N4 ligand on the gold(I) template. <i>Mendeleev Communications</i> , 2020 , 30, 40-42	1.9	5
84	Water dispersible supramolecular assemblies built from luminescent hexarhenium clusters and silver(I) complex with pyridine-2-ylphospholane for sensorics. <i>Journal of Molecular Liquids</i> , 2020 , 305, 112853	6	2
83	Study of the structures and photophysical properties of 1,3-diaza-5-phosphacyclohexanes using density functional theory and optical spectroscopy. <i>Russian Chemical Bulletin</i> , 2020 , 69, 449-457	1.7	0
82	Synthesis of New 1,3,5-Azadiphosphorinanes Based on Aliphatic Amines. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 224-228	0.7	1
81	Stereoselective synthesis of the RPSPPRP isomer of 22-membered P4N2 macrocycles. <i>Mendeleev Communications</i> , 2020 , 30, 697-699	1.9	1
80	STRUCTURAL FEATURES OF BINUCLEAR COPPER(I) COMPLEXES WITH 10-M-(ARYL)PHENOXARSINES. <i>Journal of Structural Chemistry</i> , 2020 , 61, 1931-1937	0.9	0
79	Cu-cubane clusters based on 10-(aryl)phenoxarsines and their luminescence. <i>Dalton Transactions</i> , 2020 , 49, 482-491	4.3	9
78	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> , 2020 , 120, e26145	2.1	1
77	Binuclear Gold(I) Phosphine Alkynyl Complexes Templated on a Flexible Cyclic Phosphine Ligand: Synthesis and Some Features of Solid-State Luminescence. <i>Inorganic Chemistry</i> , 2020 , 59, 244-253	5.1	9
76	New Gold(I) Complexes with 1,5-Diaza-3,7-Diphosphacyclooctanes: Synthesis and Structures. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2020 , 46, 477-484	1.6	1

75	Impact of oppositely charged shell and cores on interaction of core-shell colloids with differently charged proteins as a route for tuning of the colloids cytotoxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111306	6	2
74	Triple-bridged helical binuclear copper(I) complexes: Head-to-head and head-to-tail isomerism and the solid-state luminescence. <i>Dalton Transactions</i> , 2020 , 49, 11997-12008	4.3	7
73	Dynamic Covalent Chemistry Approach toward 18-Membered PN Macrocycles and Their Nickel(II) Complexes. <i>Journal of Organic Chemistry</i> , 2020 , 85, 14610-14618	4.2	3
72	Synthesis and Structure of Iron (II) Complexes of Functionalized 1,5-Diaza-3,7-Diphosphacyclooctanes. <i>Molecules</i> , 2020 , 25,	4.8	3
71	Copper(II) Complexes with N,O-Hybrid Ligands based on Pyridyl-Containing Phospholane Oxides. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2020 , 46, 600-607	1.6	1
70	Reversible temperature-responsive emission in solutions within 293-333 K produced by dissociative behavior of multinuclear Cu(I) complexes with aminomethylphosphines. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119125	2.7	2
69	Fresh Look on the Nature of Dual-Band Emission of Octahedral Copper-Iodide Clusters Promising Ratiometric Luminescent Thermometers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 25863-25870	3.8	18
68	Intriguing Near-Infrared Solid-State Luminescence of Binuclear Silver(I) Complexes Based on Pyridylphospholane Scaffolds. <i>Inorganic Chemistry</i> , 2019 , 58, 7698-7704	5.1	15
67	Self-Assembly of Chiral 1,8-Diaza-3,6,10,13-tetraphosphacyclotetradecanes via Dynamic Transformation of 7- and 14-Membered Aminomethylphosphines. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 3053-3060	2.3	5
66	Application of density functional theory and optical spectroscopy for the prediction of the photophysical properties of π -pyridylphospholanes. <i>Russian Chemical Bulletin</i> , 2019 , 68, 254-261	1.7	3
65	Synthesis of palladium (II) complexes of N-p-iodophenyl substituted 1,5-diaza-3,7-diphosphacyclooctanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019 , 194, 515-516	1	0
64	Synthesis and coordination properties of phospholanopyridinium hydrochlorides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019 , 194, 502-505	1	
63	Luminescent complexes on a scaffold of P ₂ N ₂ -ligands: design of materials for analytical and biomedical applications. <i>Pure and Applied Chemistry</i> , 2019 , 91, 839-849	2.1	9
62	Luminescent complexes of 1,5-diaza-3,7-diphosphacyclooctanes with coinage metals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019 , 194, 410-414	1	1
61	Complexes of Phosphorus-containing Cyclophanes and Cryptands with Metals, Anions, and Organic Substrates. <i>Russian Journal of Organic Chemistry</i> , 2019 , 55, 1642-1660	0.7	1
60	The Assembly of Unique Hexanuclear Copper(I) Complexes with Effective White Luminescence. <i>Inorganic Chemistry</i> , 2019 , 58, 1048-1057	5.1	24
59	Novel iron (II) complexes of 1,5-diaza-3,7-diphosphacyclooctanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019 , 194, 558-559	1	
58	Synthesis of Cu(I) complexes of 10-(m-(R)-phenyl)phenoxarsines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019 , 194, 480-481	1	2

57	Synthesis of Au(I) complex-based aqueous colloids for sensing of biothiols. <i>Inorganica Chimica Acta</i> , 2019 , 485, 26-32	2.7	6
56	Amido Ca and Yb(II) Complexes Coordinated by Amidine-Amidopyridinate Ligands for Catalytic Intermolecular Olefin Hydrophosphination. <i>Inorganic Chemistry</i> , 2018 , 57, 2942-2952	5.1	24
55	Novel representatives of 16-membered aminomethylphosphines with alkyl substituents at nitrogen and their gold(I) complexes. <i>Russian Chemical Bulletin</i> , 2018 , 67, 328-335	1.7	5
54	Unpredicted concurrency between P,P-chelate and P,P-bridge coordination modes of 1,5-diR-3,7-di(pyridine-2-yl)-1,5-diaza-3,7-diphosphacyclooctane ligands in copper(I) complexes. <i>Polyhedron</i> , 2018 , 139, 1-6	2.7	7
53	The first representatives of tetranuclear gold(I) complexes of P,N-containing cyclophanes. <i>Dalton Transactions</i> , 2018 , 47, 7715-7720	4.3	5
52	Novel water soluble cationic Au(I) complexes with cyclic PNNP ligand as building blocks for heterometallic supramolecular assemblies with anionic hexarhenium cluster units. <i>Journal of Luminescence</i> , 2018 , 196, 485-491	3.8	12
51	Chiral [16]-ane PN macrocycles: stereoselective synthesis and unexpected intermolecular exchange of endocyclic fragments. <i>Dalton Transactions</i> , 2018 , 47, 16977-16984	4.3	7
50	Synthesis and Structure of N-Pyridyl-Containing Cyclic Aminomethylphosphines. <i>Russian Journal of General Chemistry</i> , 2018 , 88, 2257-2262	0.7	
49	Synthesis of a 16-Membered P4N2 Macrocycle with Pyridyl-Substituted Phosphorus Atoms. <i>Russian Journal of General Chemistry</i> , 2018 , 88, 2449-2452	0.7	1
48	Synthesis of water-soluble bis-N,O-chelate nickel(II) complexes based on new ligands □ P-pyridyl-containing phospholane oxides. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1206-1211	1.7	4
47	Macrocyclic tetrakis-phosphines and their copper(I) complexes. <i>Pure and Applied Chemistry</i> , 2017 , 89, 331-339	2.1	9
46	Pyridyl Containing 1,5-Diaza-3,7-diphosphacyclooctanes as Bridging Ligands for Dinuclear Copper(I) Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 895-902	1.3	11
45	Cyclic aminomethylphosphines as ligands. Rational design and unpredicted findings. <i>Pure and Applied Chemistry</i> , 2017 , 89, 293-309	2.1	14
44	Covalent self-assembly of the specific RSSR isomer of 14-membered tetrakisphosphine. <i>Dalton Transactions</i> , 2017 , 46, 12417-12420	4.3	7
43	A Series of Cu ₂ I ₂ Complexes of 10-(Aryl)phenoxarsines: Synthesis and Structural Diversity. <i>ChemistrySelect</i> , 2017 , 2, 11755-11761	1.8	7
42	The formation of secondary arylphosphines in the reaction of organonickel sigma-complex [NiBr(Mes)(bpy)], where Mes = 2,4,6-trimethylphenyl, bpy = 2,2'-bipyridine, with phenylphosphine. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1475-1477	1	12
41	A stimuli-responsive Au(I) complex based on an aminomethylphosphine template: synthesis, crystalline phases and luminescence properties. <i>CrystEngComm</i> , 2016 , 18, 7629-7635	3.3	28
40	Macrocyclic tetraphosphine corands and their complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1444-1446	1	1

39	New catalysts for PEM fuel cells. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1488-1490	4
38	New 18-membered tetrakisphosphine macrocycle and its derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1591-1592	1 4
37	Synthesis of 1-pyridylphospholane-1-oxides and their Ni(II) complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1630-1631	1 2
36	Synthesis of novel pyridyl containing phospholanes and their polynuclear luminescent copper(I) complexes. <i>Dalton Transactions</i> , 2016 , 45, 2250-60	4-3 57
35	First Representatives of AuI Complexes of P,N-Containing Bicyclo[7.7.5]hencosane. <i>Macroheterocycles</i> , 2016 , 9, 46-49	2.2 7
34	Synthesis of first representatives of 46-membered P,N,O-containing cyclophanes and their transition metal complexes. <i>Russian Chemical Bulletin</i> , 2016 , 65, 1319-1324	1.7 6
33	Metal complexes with aminomethylphosphines: Ni vs. Co in hydrogen evolution. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1604-1605	1 1
32	Tetracarbonyltungsten (0) and Rhodium (0) complexes of P,N-containing cyclophanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1581-1582	1 3
31	Direct phosphorylation of pyridine in the presence of Ni(BF ₄) ₂ bpy and CoCl ₂ bpy metal complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1545-1546	1 6
30	Host-guest binding of a luminescent dinuclear Au(I) complex based on cyclic diphosphine with organic substrates as a reason for luminescence tuneability. <i>New Journal of Chemistry</i> , 2016 , 40, 9853-9861	3,6 16
29	Novel chiral 14-membered aminomethylphosphines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1533-1534	1 1
28	10-(Aryl)phenoxarsines as ligands for design of polynuclear Cu(I) complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1587-1588	1 2
27	Synthesis and unique reversible splitting of 14-membered cyclic aminomethylphosphines on to 7-membered heterocycles. <i>Dalton Transactions</i> , 2015 , 44, 13565-72	4-3 20
26	Unexpected ligand effect on the catalytic reaction rate acceleration for hydrogen production using biomimetic nickel electrocatalysts with 1,5-diaza-3,7-diphosphacyclooctanes. <i>Journal of Organometallic Chemistry</i> , 2015 , 789-790, 14-21	2.3 26
25	Electrochemically controlled binding of bis-P,P-chelate platinum(II) dication to 3,7-di(2-pyridyl)-1,5-diphenyl-1,5-diaza-3,7-diphosphacyclooctane complex and ferrocyanide ion with tetraviologen calix[4]resorcinol. <i>Russian Chemical Bulletin</i> , 2015 , 64, 291-305	1.7
24	Influence of the rac/eso isomerization of seven-membered cyclic bisphosphines on the predominant formation of chelate complexes. <i>Polyhedron</i> , 2015 , 100, 344-350	2.7 10
23	Heterocyclic Phosphines with P-C-X Fragments (X=O, N, P). <i>Advances in Heterocyclic Chemistry</i> , 2015 , 83-130	2.4 19
22	Cyclic Phosphino Amino Pyridines: Novel Instrument for Construction of Catalysts and Luminescent Materials. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015 , 190, 729-732	1 5

21	Binuclear Au(I) And Ag(I) Complexes of Novel 1-(Pyridine-2-Yl)Phospholane. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015 , 190, 827-830	1	1
20	Cu(I) Complexes of 14-Membered Cyclic Tetrakisphosphines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015 , 190, 824-826	1	2
19	New P,N-Containing Cyclophanes with Exocyclic Pyridyl Containing Substituents on Phosphorus Atoms. <i>Macrocyclics</i> , 2015 , 8, 402-408	2.2	7
18	New functional cyclic aminomethylphosphine ligands for the construction of catalysts for electrochemical hydrogen transformations. <i>Chemistry - A European Journal</i> , 2014 , 20, 3169-82	4.8	54
17	Alternating stereoselective self-assembly of SSSS/RRRR or RSSR isomers of tetrakisphosphines in the row of 14-, 16-, 18- and 20-membered macrocycles. <i>Dalton Transactions</i> , 2014 , 43, 12784-9	4.3	21
16	Synthesis of New Examples of Corands with 16-Membered P,N-Containing Core Ring. <i>Macrocyclics</i> , 2014 , 7, 181-188	2.2	16
15	Chelating cyclic aminomethylphosphines and their transition metal complexes as a promising basis of bioinspired mimetic catalysts. <i>Mendeleev Communications</i> , 2013 , 23, 237-248	1.9	32
14	Nickel(II) Complexes of Novel P,N-Heterocycles Based on Pyridylphosphines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013 , 188, 59-60	1	3
13	Nickel complexes with cyclic ligands containing P and N atoms as coordination sites: novel biomimetic catalysts for hydrogen oxidation. <i>Russian Chemical Bulletin</i> , 2013 , 62, 1003-1009	1.7	12
12	New Biomimetic Catalysts for the Electrochemical Processes on the Basis of Redox-Active Macrocyclic Frame Structures. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013 , 188, 84-90	1	4
11	Novel Biomimetic Cyclic P,N-Ligands. Lability of P-CH ₂ -N Fragment: Problem or Advantage?. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013 , 188, 27-28	1	1
10	Synthesis of Bis(2-Pyridylphosphino)Alkanes in Superbasic Medium and Their Hydroxymethyl Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013 , 188, 63-65	1	3
9	Synthesis of 1-(pyridylalkyl)-1-aza-3,6-diphosphacycloheptanes. <i>Russian Chemical Bulletin</i> , 2012 , 61, 1792-1797	1.7	11
8	Synthesis and Stereoselective Interconversion of Chiral 1-Aza-3,6-diphosphacycloheptanes. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 1857-1866	2.3	20
7	Electrochemical evaluation of a number of nickel complexes with P,N-heterocyclic ligands as catalysts for hydrogen oxidation/release. <i>Russian Journal of Physical Chemistry A</i> , 2011 , 85, 2214-2221	0.7	16
6	First Example of 14-Membered Cyclic Aminomethylphosphine. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011 , 186, 761-763	1	9
5	Modification of fullerene C ₆₀ by phosphorylated diazo compounds. <i>Russian Chemical Bulletin</i> , 2003 , 52, 1750-1757	1.7	13
4	Synthesis of novel water-soluble linear and heterocyclic phosphino amino acids from 2-phosphinophenols or 2-phosphinophenoethers, formaldehyde and amino acids. <i>Polyhedron</i> , 2001 , 20, 3321-3331	2.7	42

3	Stacking-Conformations in Functionally Substituted Phosphines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999 , 144, 821-823	1	0
2	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
1	Nickel(II) Dihydrogen and Hydride Complexes as the Intermediates of H ₂ Heterolytic Splitting by Nickel Diazadiphosphacyclooctane Complexes. <i>European Journal of Inorganic Chemistry</i> ,	2.3	4