Elvira I Musina

List of Publications by Citations

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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 of novel pyridyl containing phospholanes and their polynuclear luminescent copper(i) complexes. *Dalton Transactions*, **2016**, 45, 2250-60	4.3	57
91	New functional cyclic aminomethylphosphine ligands for the construction of catalysts for electrochemical hydrogen transformations. *Chemistry - A European Journal*, **2014**, 20, 3169-82	4.8	54
90	Synthesis of novel water-soluble linear and heterocyclic phosphino amino acids from 2-phosphinophenols or 2-phosphinophenolethers, formaldehyde and amino acids. *Polyhedron*, **2001**, 20, 3321-3331	2.7	42
89	Chelating cyclic aminomethylphosphines and their transition metal complexes as a promising basis of bioinspired mimetic catalysts. *Mendeleev Communications*, **2013**, 23, 237-248	1.9	32
88	A stimuli-responsive Au(I) complex based on an aminomethylphosphine template: synthesis, crystalline phases and luminescence properties. *CrystEngComm*, **2016**, 18, 7629-7635	3.3	28
87	Unexpected ligand effect on the catalytic reaction rate acceleration for hydrogen production using biomimetic nickel electrocatalysts with 1,5-diaza-3,7-diphosphacyclooctanes. *Journal of Organometallic Chemistry*, **2015**, 789-790, 14-21	2.3	26
86	Amido Ca and Yb(II) Complexes Coordinated by Amidine-Amidopyridinate Ligands for Catalytic Intermolecular Olefin Hydrophosphination. *Inorganic Chemistry*, **2018**, 57, 2942-2952	5.1	24
85	The Assembly of Unique Hexanuclear Copper(I) Complexes with Effective White Luminescence. *Inorganic Chemistry*, **2019**, 58, 1048-1057	5.1	24
84	Alternating stereoselective self-assembly of SSSS/RRRR or RSSR isomers of tetrakisphosphines in the row of 14-, 16-, 18- and 20-membered macrocycles. *Dalton Transactions*, **2014**, 43, 12784-9	4.3	21
83	Synthesis and unique reversible splitting of 14-membered cyclic aminomethylphosphines on to 7-membered heterocycles. *Dalton Transactions*, **2015**, 44, 13565-72	4.3	20
82	Synthesis and Stereoselective Interconversion of Chiral 1-Aza-3,6-diphosphacycloheptanes. *European Journal of Inorganic Chemistry*, **2012**, 2012, 1857-1866	2.3	20
81	Heterocyclic Phosphines with P-C-X Fragments (X=O, N, P). *Advances in Heterocyclic Chemistry*, **2015**, 83-130	2.4	19
80	Fresh Look on the Nature of Dual-Band Emission of Octahedral Copper-Iodide Clusters□Promising Ratiometric Luminescent Thermometers. *Journal of Physical Chemistry C*, **2019**, 123, 25863-25870	3.8	18
79	Electrochemical evaluation of a number of nickel complexes with P,N-heterocyclic ligands as catalysts for hydrogen oxidation/release. *Russian Journal of Physical Chemistry A*, **2011**, 85, 2214-2221	0.7	16
78	Synthesis of New Examples of Corands with 16-Membered P,N-Containing Core Ring. *Macroheterocycles*, **2014**, 7, 181-188	2.2	16
77	Host□guest□binding of a luminescent dinuclear Au(I) complex based on cyclic diphosphine with organic substrates as a reason for luminescence tuneability. *New Journal of Chemistry*, **2016**, 40, 9853-9861	3.6	16
76	Intriguing Near-Infrared Solid-State Luminescence of Binuclear Silver(I) Complexes Based on Pyridylphospholane Scaffolds. *Inorganic Chemistry*, **2019**, 58, 7698-7704	5.1	15

75	Cyclic aminomethylphosphines as ligands. Rational design and unpredicted findings. *Pure and Applied Chemistry*, **2017**, 89, 293-309	2.1	14
74	Modification of fullerene C60 by phosphorylated diazo compounds. *Russian Chemical Bulletin*, **2003**, 52, 1750-1757	1.7	13
73	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. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1475-1477	1	12
72	Nickel complexes with cyclic ligands containing P and N atoms as coordination sites: novel biomimetic catalysts for hydrogen oxidation. *Russian Chemical Bulletin*, **2013**, 62, 1003-1009	1.7	12
71	Novel water soluble cationic Au(I) complexes with cyclic PNNP ligand as building blocks for heterometallic supramolecular assemblies with anionic hexarhenium cluster units. *Journal of Luminescence*, **2018**, 196, 485-491	3.8	12
70	Pyridyl Containing 1,5-Diaza-3,7-diphosphacyclooctanes as Bridging Ligands for Dinuclear Copper(I) Complexes. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2017**, 643, 895-902	1.3	11
69	Synthesis of 1-(pyridylalkyl)-1-aza-3,6-diphosphacycloheptanes. *Russian Chemical Bulletin*, **2012**, 61, 1792-1797	1.7	11
68	Influence of the rac□meso isomerization of seven-membered cyclic bisphosphines on the predominant formation of chelate complexes. *Polyhedron*, **2015**, 100, 344-350	2.7	10
67	Macrocyclic tetrakis-phosphines and their copper(I) complexes. *Pure and Applied Chemistry*, **2017**, 89, 331-339	2.1	9
66	Luminescent complexes on a scaffold of P2N2-ligands: design of materials for analytical and biomedical applications. *Pure and Applied Chemistry*, **2019**, 91, 839-849	2.1	9
65	First Example of 14-Membered Cyclic Aminomethylphosphine. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2011**, 186, 761-763	1	9
64	CuI-cubane clusters based on 10-(aryl)phenoxarsines and their luminescence. *Dalton Transactions*, **2020**, 49, 482-491	4.3	9
63	Binuclear Gold(I) Phosphine Alkynyl Complexes Templated on a Flexible Cyclic Phosphine Ligand: Synthesis and Some Features of Solid-State Luminescence. *Inorganic Chemistry*, **2020**, 59, 244-253	5.1	9
62	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. *Polyhedron*, **2018**, 139, 1-6	2.7	7
61	Covalent self-assembly of the specific RSSR isomer of 14-membered tetrakisphosphine. *Dalton Transactions*, **2017**, 46, 12417-12420	4.3	7
60	A Series of Cu2I2 Complexes of 10-(Aryl)phenoxarsines: Synthesis and Structural Diversity. *ChemistrySelect*, **2017**, 2, 11755-11761	1.8	7
59	New P,N-Containing Cyclophanes with Exocyclic Pyridyl Containing Substituents on Phosphorus Atoms. *Macroheterocycles*, **2015**, 8, 402-408	2.2	7
58	First Representatives of AuI Complexes of P,N-Containing Bicyclo[7.7.5]henicosane. *Macroheterocycles*, **2016**, 9, 46-49	2.2	7

57	Triple-bridged helical binuclear copper(i) complexes: Head-to-head and head-to-tail isomerism and the solid-state luminescence. *Dalton Transactions*, **2020**, 49, 11997-12008	4.3	7
56	Chiral [16]-ane PN macrocycles: stereoselective synthesis and unexpected intermolecular exchange of endocyclic fragments. *Dalton Transactions*, **2018**, 47, 16977-16984	4.3	7
55	Synthesis of first representatives of 46-membered P,N,O-containing cyclophanes and their transition metal complexes. *Russian Chemical Bulletin*, **2016**, 65, 1319-1324	1.7	6
54	Direct phosphorylation of pyridine in the presence of Ni(BF4)2bpy and CoCl2bpy metal complexes. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1545-1546	1	6
53	Synthesis of Au(I) complex-based aqueous colloids for sensing of biothiols. *Inorganica Chimica Acta*, **2019**, 485, 26-32	2.7	6
52	Self-Assembly of Chiral 1,8-Diaza-3,6,10,13-tetraphosphacyclotetradecanes via Dynamic Transformation of 7- and 14-Membered Aminomethylphosphines. *European Journal of Inorganic Chemistry*, **2019**, 2019, 3053-3060	2.3	5
51	Cyclic Phosphino Amino Pyridines□Novel Instrument for Construction of Catalysts and Luminescent Materials. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2015**, 190, 729-732	1	5
50	Rearrangement of two 8-membered 1,5-diaza-3,7-diphosphacyclooctane rings into 16-membered P4N4 ligand on the gold(i) template. *Mendeleev Communications*, **2020**, 30, 40-42	1.9	5
49	Novel representatives of 16-membered aminomethylphosphines with alkyl substituents at nitrogen and their gold(I) complexes. *Russian Chemical Bulletin*, **2018**, 67, 328-335	1.7	5
48	The first representatives of tetranuclear gold(i) complexes of P,N-containing cyclophanes. *Dalton Transactions*, **2018**, 47, 7715-7720	4.3	5
47	Binuclear charged copper(I) complex as a multimode luminescence thermal sensor. *Sensors and Actuators A: Physical*, **2021**, 325, 112722	3.9	5
46	New catalysts for PEM fuel cells. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1488□1490		4
45	New 18-membered tetrakisphosphine macrocycle and its derivatives. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1591-1592	1	4
44	New Biomimetic Catalysts for the Electrochemical Processes on the Basis of Redox-Active Macrocyclic Frame Structures. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2013**, 188, 84-90	1	4
43	Synthesis of water-soluble bis-N,O-chelate nickel(II) complexes based on new ligands □ P-pyridyl-containing phospholane oxides. *Russian Chemical Bulletin*, **2018**, 67, 1206-1211	1.7	4
42	Nickel(II) Dihydrogen and Hydride Complexes as the Intermediates of H2 Heterolytic Splitting by Nickel Diazadiphosphacyclooctane Complexes. *European Journal of Inorganic Chemistry*,	2.3	4
41	Application of density functional theory and optical spectroscopy for the prediction of the photophysical properties of □-pyridylphospholanes. *Russian Chemical Bulletin*, **2019**, 68, 254-261	1.7	3
40	Electrochemical and catalytic properties of nickel(II) complexes with bis(imino)acenaphthene and diazadiphosphacyclooctane ligands. *Mendeleev Communications*, **2020**, 30, 302-304	1.9	3

39	Nickel(II) Complexes of Novel P,N-Heterocycles Based on Pyridylphosphines. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2013**, 188, 59-60	1	3
38	Synthesis of Bis(2-Pyridylphosphino)Alkanes in Superbasic Medium and Their Hydroxymethyl Derivatives. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2013**, 188, 63-65	1	3
37	Dynamic Covalent Chemistry Approach toward 18-Membered PN Macrocycles and Their Nickel(II) Complexes. *Journal of Organic Chemistry*, **2020**, 85, 14610-14618	4.2	3
36	Synthesis and Structure of Iron (II) Complexes of Functionalized 1,5-Diaza-3,7-Diphosphacyclooctanes. *Molecules*, **2020**, 25,	4.8	3
35	Assembly of Heterometallic AuICuI Cores on the Scaffold of NPPN-Bridging Cyclic Bisphosphine. *Inorganic Chemistry*, **2021**, 60, 5402-5411	5.1	3
34	Tetracarbonyltungsten (0) and □holybdenum (0) complexes of P,N-containing cyclophanes. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1581-1582	1	3
33	Reversible temperature-responsible emission in solutions within 293□33 K produced by dissociative behavior of multinuclear Cu(I) complexes with aminomethylphosphines. *Inorganica Chimica Acta*, **2019**, 498, 119125	2.7	2
32	Water dispersible supramolecular assemblies built from luminescent hexarhenium clusters and silver(I) complex with pyridine-2-ylphospholane for sensorics. *Journal of Molecular Liquids*, **2020**, 305, 112853	6	2
31	Synthesis of 1-pyridylphospholane-1-oxides and their Ni(II) complexes. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1630-1631	1	2
30	Cu(I) Complexes of 14-Membered Cyclic Tetraphosphines. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2015**, 190, 824-826	1	2
29	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. *Colloids and Surfaces B: Biointerfaces*, **2020**, 196, 111306	6	2
28	10-(Aryl)phenoxarsines as ligands for design of polynuclear Cu(I) complexes. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1587-1588	1	2
27	Synthesis of Cu(I) complexes of 10-(m-(R)-phenyl)phenoxarsines. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2019**, 194, 480-481	1	2
26	Luminescent CuI-cubane clusters based on -methyl-5,10-dihydrophenarsazines. *Dalton Transactions*, **2021**, 50, 13421-13429	4.3	2
25	Synthesis of New 1,3,5-Azadiphosphorinanes Based on Aliphatic Amines. *Russian Journal of General Chemistry*, **2020**, 90, 224-228	0.7	1
24	Macrocyclic tetraphosphine corands and their complexes. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1444-1446	1	1
23	Binuclear Au(I) And Ag(I) Complexes of Novel 1-(Pyridine-2-Yl)Phospholane. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2015**, 190, 827-830	1	1
22	Novel Biomimetic Cyclic P,N-Ligands. Lability of P-CH2-N Fragment: Problem or Advantage?. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2013**, 188, 27-28	1	1

21	Transformations of triple-bridged binuclear copper(I) complexes based on P,N-ligands under aerobic recrystallization. *Phosphorus, Sulfur and Silicon and the Related Elements*,1-5	1	1
20	Stereoselective synthesis of the RPSPSPRP isomer of 22-membered P4N2 macrocycles. *Mendeleev Communications*, **2020**, 30, 697-699	1.9	1
19	Insight into the influence of terminal ligands on magnetic exchange coupling in a series of dimeric copper(II) acetate adducts. *International Journal of Quantum Chemistry*, **2020**, 120, e26145	2.1	1
18	New Gold(I) Complexes with 1,5-Diaza-3,7-Diphosphacyclooctanes: Synthesis and Structures. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2020**, 46, 477-484	1.6	1
17	Copper(II) Complexes with N,O-Hybrid Ligands based on Pyridyl-Containing Phospholane Oxides. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2020**, 46, 600-607	1.6	1
16	Platinum(II) Complexes with 10-(Aryl)phenoxarsines: Synthesis, Cis/Trans Isomerization, and Luminescence. *Inorganic Chemistry*, **2021**, 60, 6804-6812	5.1	1
15	Metal complexes with aminomethylphosphines: Ni vs. Co in hydrogen evolution. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1604-1605	1	1
14	Novel chiral 14-membered aminomethylphosphines. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 1533-1534	1	1
13	Luminescent complexes of 1,5-diaza-3,7-diphosphacyclooctanes with coinage metals. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2019**, 194, 410-414	1	1
12	Complexes of Phosphorus-containing Cyclophanes and Cryptands with Metals, Anions, and Organic Substrates. *Russian Journal of Organic Chemistry*, **2019**, 55, 1642-1660	0.7	1
11	Synthesis of a 16-Membered P4N2 Macrocycle with Pyridyl-Substituted Phosphorus Atoms. *Russian Journal of General Chemistry*, **2018**, 88, 2449-2452	0.7	1
10	Proton sponge effect and apoptotic cell death mechanism of Ag -Re6 nanocrystallites derived from the assembly of [{Re6S8}(OH)6(H2O)]4 with Ag+ ions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 129312	5.1	1
9	Synthesis of palladium (II) complexes of N-p-iodophenyl substituted 1,5-diaza-3,7-diphosphacyclooctanes. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2019**, 194, 515-516	1	0
8	Study of the structures and photophysical properties of 1,3-diaza-5-phosphacyclohexanes using density functional theory and optical spectroscopy. *Russian Chemical Bulletin*, **2020**, 69, 449-457	1.7	0
7	Stacking-Conformations in Functionally Substituted Phosphines. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1999**, 144, 821-823	1	0
6	STRUCTURAL FEATURES OF BINUCLEAR COPPER(I) COMPLEXES WITH 10-M-(ARYL)PHENOXARSINES. *Journal of Structural Chemistry*, **2020**, 61, 1931-1937	0.9	0
5	Synthesis and coordination properties of phospholanopyridinium hydrochlorides. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2019**, 194, 502-505	1	
4	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. *Russian Chemical Bulletin*, **2015**, 64, 291-305	1.7	

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3	Novel iron (II) complexes of 1,5-diaza-3,7-diphosphacyclooctanes. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2019**, 194, 558-559	1
2	Synthesis and Structure of N-Pyridyl-Containing Cyclic Aminomethylphosphines. *Russian Journal of General Chemistry*, **2018**, 88, 2257-2262	0.7
1	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. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2022**, 48, 189-194	1.6