

# Andrey A Karasik

## List of Publications by Citations

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192 papers	1,634 citations	21 h-index	31 g-index
204 ext. papers	1,845 ext. citations	2.2 avg, IF	4.37 L-index

#	Paper	IF	Citations
192	Organoelement chemistry: promising growth areas and challenges. <i>Russian Chemical Reviews</i> , <b>2018</b> , 87, 393-507	6.8	111
191	Synthesis of novel pyridyl containing phospholanes and their polynuclear luminescent copper(ii) complexes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 2250-60	4.3	57
190	New functional cyclic aminomethylphosphine ligands for the construction of catalysts for electrochemical hydrogen transformations. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 3169-82	4.8	54
189	Synthesis of novel water-soluble linear and heterocyclic phosphino amino acids from 2-phosphinophenols or 2-phosphinophenoethers, formaldehyde and amino acids. <i>Polyhedron</i> , <b>2001</b> , 20, 3321-3331	2.7	42
188	Water-soluble aminomethyl(ferrocenylmethyl)phosphines and their trinuclear transition metal complexes. <i>Polyhedron</i> , <b>2002</b> , 21, 2251-2256	2.7	36
187	An effective strategy of P,N-containing macrocycle design. <i>Comptes Rendus Chimie</i> , <b>2010</b> , 13, 1151-1167	2.7	34
186	Synthesis of novel water-soluble heterocyclic phosphino amino acids with bulky aromatic substituents on phosphorus. <i>Polyhedron</i> , <b>2000</b> , 19, 1455-1459	2.7	33
185	Chelating cyclic aminomethylphosphines and their transition metal complexes as a promising basis of bioinspired mimetic catalysts. <i>Mendeleev Communications</i> , <b>2013</b> , 23, 237-248	1.9	32
184	Synthesis, structure, and transition metal complexes of amphiphilic 1,5-diaza-3,7-diphosphacyclooctanes. <i>Heteroatom Chemistry</i> , <b>2006</b> , 17, 499-513	1.2	32
183	Novel chiral 1,5-diaza-3,7-diphosphacyclooctane ligands and their transition metal complexes. <i>Dalton Transactions</i> , <b>2003</b> , 2209-2214	4.3	31
182	Unexpected formation of a novel macrocyclic tetraphosphine: (RSSR)-1,9-dibenzyl-3,7,11,15-tetramesityl-1,9-diaza-3,7,11,15-tetraphosphacyclohexadecane. <i>Dalton Transactions</i> , <b>2004</b> , 357-8	4.3	30
181	A stimuli-responsive Au(I) complex based on an aminomethylphosphine template: synthesis, crystalline phases and luminescence properties. <i>CrystEngComm</i> , <b>2016</b> , 18, 7629-7635	3.3	28
180	1,3,6-Azadiphosphacycloheptanes: A novel type of heterocyclic diphosphines. <i>Heteroatom Chemistry</i> , <b>2008</b> , 19, 125-132	1.2	28
179	Synthesis, Molecular Structure and Coordination Chemistry of the First 1-Aza-3,7-diphosphacyclooctanes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2007</b> , 633, 205-210	1.3	27
178	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> , <b>2015</b> , 789-790, 14-21	2.3	26
177	Self-assembly of novel macrocyclic aminomethylphosphines with hydrophobic intramolecular cavities. <i>Dalton Transactions</i> , <b>2004</b> , 442-7	4.3	26
176	Supporting effect of polyethylenimine on hexarhenium hydroxo cluster complex for cellular imaging applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 340, 46-52	4.7	24

175	The first representative of novel 36-membered P,N,O-containing cyclophanes. <i>Mendeleev Communications</i> , <b>2007</b> , 17, 195-196	1.9	24
174	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
173	Structure and dynamics of P,N-containing heterocycles and their metal complexes in solution. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 3182-93	2.8	23
172	Synthesis of a chiral macrocyclic tetraphosphine $\Delta$ ,9-di-R,R(and S,S)- $\Delta$ -methylbenzyl-3,7,11,15-tetramesityl-1,9-diaza-3,7,11,15-(RSSR)-tetraphosphacyclohexadecane. <i>Mendeleev Communications</i> , <b>2008</b> , 18, 80-81	1.9	23
171	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> , <b>2014</b> , 43, 12784-9	4.3	21
170	First representative of optically active P-L-menthyl-substituted (aminomethyl)phosphine and its borane and metal complexes. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 5407-12	5.1	21
169	In situ electrochemical synthesis of Ni(II) complexes with aminomethylphosphines as intermediates for hydrogen evolution. <i>Electrochimica Acta</i> , <b>2017</b> , 225, 467-472	6.7	20
168	Synthesis and unique reversible splitting of 14-membered cyclic aminomethylphosphines on to 7-membered heterocycles. <i>Dalton Transactions</i> , <b>2015</b> , 44, 13565-72	4.3	20
167	Synthesis and Stereoselective Interconversion of Chiral 1-Aza-3,6-diphosphacycloheptanes. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 1857-1866	2.3	20
166	Heterocyclic Phosphines with P-C-X Fragments (X=O, N, P). <i>Advances in Heterocyclic Chemistry</i> , <b>2015</b> , 83-130	2.4	19
165	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> , <b>2019</b> , 123, 25863-25870	3.8	18
164	P,N-Containing cyclophanes with large helical hydrophobic cavities: prospective precursors for the design of a molecular reactor. <i>Dalton Transactions</i> , <b>2009</b> , 490-4	4.3	18
163	The first example of stereoselective self-assembly of a cryptand containing four asymmetric intracyclic phosphane groups. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 1034-1037	2	17
162	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> , <b>2011</b> , 85, 2214-2221	0.7	16
161	Structure, conformation, and dynamics of P,N-containing cyclophanes in solution. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 2588-96	2.8	16
160	Synthesis of new macrocyclic aminomethylphosphines based on 4,4''-diaminodiphenylmethane and its derivatives. <i>Russian Chemical Bulletin</i> , <b>2002</b> , 51, 151-156	1.7	16
159	Synthesis of New Examples of Corands with 16-Membered P,N-Containing Core Ring. <i>Macroheterocycles</i> , <b>2014</b> , 7, 181-188	2.2	16
158	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> , <b>2016</b> , 40, 9853-9861	3.6	16

- 157 Intriguing Near-Infrared Solid-State Luminescence of Binuclear Silver(I) Complexes Based on Pyridylphospholane Scaffolds. *Inorganic Chemistry*, **2019**, 58, 7698-7704 5.1 15
- 156 Cyclic aminomethylphosphines as ligands. Rational design and unpredicted findings. *Pure and Applied Chemistry*, **2017**, 89, 293-309 2.1 14
- 155 Primary and P-Alkylated o-Phosphanylphenols: Synthesis by Reduction and Reductive Alkylation of Diethyl Arylphosphonates and Screening in Ethylene Polymerization. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2007**, 633, 1995-2003 1.3 13
- 154 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
- 153 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
- 152 Synthesis and molecular structure of a chiral ferrocenylphosphine. *Mendeleev Communications*, **2005**, 15, 89-90 1.9 12
- 151 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
- 150 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
- 149 Synthesis of 1-(pyridylalkyl)-1-aza-3,6-diphosphacycloheptanes. *Russian Chemical Bulletin*, **2012**, 61, 1792-1797 1.7 11
- 148 Synthesis, structure, and magnetic properties of 2,2'-(buta-1,3-diyne-1,4-diyl)bis(4,4,5,5-tetramethyl-4,5-dihydro-1H-imidazole 3-oxide 1-oxyl). *Polyhedron*, **2011**, 30, 3232-3237 2.7 11
- 147 Synthesis of some novel water-soluble chiral phosphines. *Mendeleev Communications*, **1998**, 8, 140-141 1.9 11
- 146 Heterocyclic Phosphorus Ligands in Coordination Chemistry of Transition Metals. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1999**, 144, 289-292 1 11
- 145 Influence of the rac/eso isomerization of seven-membered cyclic bisphosphines on the predominant formation of chelate complexes. *Polyhedron*, **2015**, 100, 344-350 2.7 10
- 144 Conformational Analysis of P,N-Containing Eight-Membered Heterocycles and Their Pt/Ni Complexes in Solution. *European Journal of Inorganic Chemistry*, **2016**, 2016, 1068-1084 2.3 10
- 143 Synthetic organometallic models of iron-containing hydrogenases as molecular electrocatalysts for hydrogen evolution or oxidation. *Russian Chemical Reviews*, **2017**, 86, 298-317 6.8 10
- 142 Lasagna-type arrays with halide-nitromethane cluster filling. The first recognition of the Hal(-)⋯HCH<sub>2</sub>NO<sub>2</sub> (Hal = Cl, Br, I) hydrogen bonding. *Dalton Transactions*, **2012**, 41, 6922-31 4.3 10
- 141 Binding of 1,5-bis(p-sulfonatophenyl)-3,7-diphenyl-1,5-diaza-3,7-diphosphacyclooctane with tetra(methyl viologen) calix[4]resorcinol. *Russian Chemical Bulletin*, **2012**, 61, 2295-2310 1.7 10
- 140 Synthesis, structures, and properties of 3,6-di-tert-butyl-o-benzosemiquinone complexes of copper(I) with 1,5-diaza-3,7-diphosphacyclooctanes. *Russian Chemical Bulletin*, **2000**, 49, 1782-1788 1.7 10

139	Novel P,N-Containing Cyclophane with a Chiral Hydrophobic Cavity. <i>Macrocyclic Chemistry</i> , <b>2011</b> , 324-330	2.2	10
138	Macrocyclic tetrakis-phosphines and their copper(I) complexes. <i>Pure and Applied Chemistry</i> , <b>2017</b> , 89, 331-339	2.1	9
137	Luminescent complexes on a scaffold of P2N2-ligands: design of materials for analytical and biomedical applications. <i>Pure and Applied Chemistry</i> , <b>2019</b> , 91, 839-849	2.1	9
136	Binding of 1,5-bis(p-sulfonatophenyl)-3,7-diphenyl-1,5-diaza-3,7-diphosphacyclooctane with tetramethylviologen calix[4]resorcin with a methyl radical in the resorcinol ring. <i>Russian Journal of Electrochemistry</i> , <b>2014</b> , 50, 142-153	1.2	9
135	Electrodriven molecular system based on tetraviologen calix[4]resorcine and dianion 1,5-bis(n-sulfonatophenyl)-3,7-diphenyl-1,5-diaza-3,7-diphosphacyclooctane. <i>Electrochimica Acta</i> , <b>2013</b> , 111, 466-473	6.7	9
134	First Example of 14-Membered Cyclic Aminomethylphosphine. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 761-763	1	9
133	Synthesis of novel paracyclophanes with linear P,N-containing spacers. <i>Russian Chemical Bulletin</i> , <b>2007</b> , 56, 1828-1837	1.7	9
132	13,17,53,57-Tetraphenyl-13,17,53,57-tetrathio-3,7-dithia-1,5(1,5)-di(1,5-diaza-3,7-diphosphacyclooctane)-2,4,6,8(1,4)-tetraene with an unusual conical-like conformation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2008</b> , 60, 321-328		9
131	CuI-cubane clusters based on 10-(aryl)phenoxarsines and their luminescence. <i>Dalton Transactions</i> , <b>2020</b> , 49, 482-491	4.3	9
130	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> , <b>2020</b> , 59, 244-253	5.1	9
129	Organometallic Polymer Electrolyte Membrane Fuel Cell Bis-Ligand Nickel(II) Complex of 1,5-Di-P-Tolyl-3,7-Dipyridine-1,5,3,7-Diazadiphosphacyclo-Octane Catalyst. <i>Energy Technology</i> , <b>2018</b> , 6, 1088-1095	3.5	9
128	Phosphorus Based Macrocyclic Ligands: Synthesis and Applications. <i>Catalysis By Metal Complexes</i> , <b>2011</b> , 375-444		8
127	Stereoselective Synthesis and Interconversions of 1,9-Diaza-3,7,11,15-Tetraphosphacyclohexadecanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2008</b> , 183, 456-459	1	8
126	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> , <b>2018</b> , 139, 1-6	2.7	7
125	Covalent self-assembly of the specific RSSR isomer of 14-membered tetrakisphosphine. <i>Dalton Transactions</i> , <b>2017</b> , 46, 12417-12420	4.3	7
124	A Series of Cu2I2 Complexes of 10-(Aryl)phenoxarsines: Synthesis and Structural Diversity. <i>ChemistrySelect</i> , <b>2017</b> , 2, 11755-11761	1.8	7
123	Optically Active Cage P,N-Containing Cyclophanes Based on L-Menthylphosphine and Their Platinum (II) and Palladium (II) Complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 891-893	1	7
122	An Effective Methodology of P,N-Macrocycles Design. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2008</b> , 183, 583-585	1	7

121	PH-functional o-phosphinophenols—Synthesis via methoxymethylethers and screening tests for Ni-catalyzed ethylene polymerization. <i>Heteroatom Chemistry</i> , <b>2005</b> , 16, 379-390	1.2	7
120	Aminomethylphosphines in template synthesis on Pt(II), Pd(II), and Hg(II). <i>Heteroatom Chemistry</i> , <b>1992</b> , 3, 439-442	1.2	7
119	New P,N-Containing Cyclophanes with Exocyclic Pyridyl Containing Substituents on Phosphorus Atoms. <i>Macroheterocycles</i> , <b>2015</b> , 8, 402-408	2.2	7
118	First Representatives of AuI Complexes of P,N-Containing Bicyclo[7.7.5]hencosane. <i>Macroheterocycles</i> , <b>2016</b> , 9, 46-49	2.2	7
117	Triple-bridged helical binuclear copper(i) complexes: Head-to-head and head-to-tail isomerism and the solid-state luminescence. <i>Dalton Transactions</i> , <b>2020</b> , 49, 11997-12008	4.3	7
116	Polyelectrolyte-coated ultra-small nanoparticles with Tb(III)-centered luminescence as cell labels with unusual charge effect on their cell internalization. <i>Materials Science and Engineering C</i> , <b>2019</b> , 95, 166-173	8.3	7
115	Chiral [16]-ane PN macrocycles: stereoselective synthesis and unexpected intermolecular exchange of endocyclic fragments. <i>Dalton Transactions</i> , <b>2018</b> , 47, 16977-16984	4.3	7
114	New Method for the Synthesis of Ammonium Salts of O,O'-Dialkyldithiophosphoric Acids on the Basis of Elemental Phosphorus and Sulfur—A Method for the Preparation of Effective Inhibitors for Carbon Dioxide Corrosion of Mild Steel. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 887-890	1	6
113	Stereoselective Synthesis of Novel 18- and 20-Membered P,N-Containing Macrocylic Phosphine Ligands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 888-890	1	6
112	Synthesis of first representatives of 46-membered P,N,O-containing cyclophanes and their transition metal complexes. <i>Russian Chemical Bulletin</i> , <b>2016</b> , 65, 1319-1324	1.7	6
111	Direct phosphorylation of pyridine in the presence of Ni(BF <sub>4</sub> ) <sub>2</sub> bpy and CoCl <sub>2</sub> bpy metal complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1545-1546	1	6
110	Synthesis of Au(I) complex-based aqueous colloids for sensing of biothiols. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 485, 26-32	2.7	6
109	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> , <b>2019</b> , 2019, 3053-3060	2.3	5
108	Cyclic Phosphino Amino Pyridines—Novel Instrument for Construction of Catalysts and Luminescent Materials. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2015</b> , 190, 729-732	1	5
107	Rearrangement of two 8-membered 1,5-diaza-3,7-diphosphacyclooctane rings into 16-membered P <sub>4</sub> N <sub>4</sub> ligand on the gold(i) template. <i>Mendeleev Communications</i> , <b>2020</b> , 30, 40-42	1.9	5
106	Novel representatives of 16-membered aminomethylphosphines with alkyl substituents at nitrogen and their gold(I) complexes. <i>Russian Chemical Bulletin</i> , <b>2018</b> , 67, 328-335	1.7	5
105	The first representatives of tetranuclear gold(i) complexes of P,N-containing cyclophanes. <i>Dalton Transactions</i> , <b>2018</b> , 47, 7715-7720	4.3	5
104	Electrochemical switching of monomer—associate in the system tetraviologen calix[4]resorcinolB, 7-di(l-menthyl)-1,5-di(p-sulfonatophenyl)-1,5-diaza-3,7-diphosphacyclooctane. <i>Russian Chemical Bulletin</i> , <b>2013</b> , 62, 2158-2170	1.7	5



103	New Method for the Preparation of Octathiotetraphosphetanes on the Basis of Elemental Phosphorus and Sulfur: Structure and Properties. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 852-853	1	5
102	New Synthetic Approaches to Chiral Cyclic and Macrocyclic Phosphine Ligands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2008</b> , 183, 445-448	1	5
101	Phosphino Amino Acids: Novel Water-Soluble Ligands for Coordination Chemistry of Transition Metals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2002</b> , 177, 1469-1471	1	5
100	Binuclear charged copper(I) complex as a multimode luminescence thermal sensor. <i>Sensors and Actuators A: Physical</i> , <b>2021</b> , 325, 112722	3.9	5
99	New catalysts for PEM fuel cells. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1488-1490	4	
98	New 18-membered tetrakisphosphine macrocycle and its derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1591-1592	1	4
97	New aminomethylphosphines with cyanophenyl substituents at the nitrogen atoms. <i>Russian Chemical Bulletin</i> , <b>2013</b> , 62, 2487-2494	1.7	4
96	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> , <b>2013</b> , 188, 84-90	1	4
95	Host-Guest Complexes of P,N-Containing Cyclophanes with Heteroaromatic Ammonium Salts in Solution. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2013</b> , 188, 19-20	1	4
94	The First Example of Diazadiphosphacyclooctanes with Bicyclic Substituents. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 764-765	1	4
93	Transformations of 1,3-di-p-tolyl-5-p-toluidinomethyl-1,3,5-diazaphosphorinane initiated by electrochemical oxidation at a glassy carbon electrode. <i>Russian Chemical Bulletin</i> , <b>1997</b> , 46, 1154-1157	1.7	4
92	Novel 36- and 38-Membered P,N-Containing Cyclophanes with Large Hydrophobic Cavities. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2008</b> , 183, 667-668	1	4
91	Pd complexes of (RR)- and (SS)-1,5-methylbenzyl-3,7-diphenyl-1,5-diaza-3,7-diphosphacyclooctane as catalysts in alternating co-oligomerization of CO with dienes. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2005</b> , 31, 260-268	1.6	4
90	Synthesis and several properties of 1, 3, 2, 5-dioxaboraphosphorinanes with a branched substituent at the boron atom. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1991</b> , 40, 633-637		4
89	Iron or nickel complexes bearing diphosphine and BIAN ligands as electrocatalysts for H <sub>2</sub> evolution. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1644-1645	1	4
88	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> , <b>2018</b> , 67, 1206-1211	1.7	4
87	Nickel(II) Dihydrogen and Hydride Complexes as the Intermediates of H <sub>2</sub> Heterolytic Splitting by Nickel Diazadiphosphacyclooctane Complexes. <i>European Journal of Inorganic Chemistry</i> ,	2.3	4
86	Application of density functional theory and optical spectroscopy for the prediction of the photophysical properties of P-pyridylphospholanes. <i>Russian Chemical Bulletin</i> , <b>2019</b> , 68, 254-261	1.7	3

85	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
84	Nickel(II) Complexes of Novel P,N-Heterocycles Based on Pyridylphosphines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2013</b> , 188, 59-60	1	3
83	Synthesis of Bis(2-Pyridylphosphino)Alkanes in Superbasic Medium and Their Hydroxymethyl Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2013</b> , 188, 63-65	1	3
82	Kinetics of electrochemical reduction of 2-carbomethoxy-1,1-dichloro-2-methylcyclopropane by the double mediator system anthracene-PtII, PdII, and NiII complexes of cyclic aminomethylphosphines. <i>Russian Chemical Bulletin</i> , <b>1994</b> , 43, 372-374	1.7	3
81	FTIR - spectroscopy study of the three-dimensional structure of 1,3,5-diaza-phosphorinane complexes with transitional metals. <i>Journal of Molecular Structure</i> , <b>1993</b> , 293, 85-88	3.4	3
80	Reaction of 1-butyl-1-dibutylboryl-2-diphenylphosphino-2-phenylethene with tert-butyl isocyanide. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1990</b> , 39, 1957-1959		3
79	Dynamic Covalent Chemistry Approach toward 18-Membered PN Macrocycles and Their Nickel(II) Complexes. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 14610-14618	4.2	3
78	Synthesis and Structure of Iron (II) Complexes of Functionalized 1,5-Diaza-3,7-Diphosphacyclooctanes. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
77	Assembly of Heterometallic AuICuI Cores on the Scaffold of NPPN-Bridging Cyclic Bisphosphine. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 5402-5411	5.1	3
76	Tetracarbonyltungsten (0) and Rhenium (0) complexes of P,N-containing cyclophanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1581-1582	1	3
75	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> , <b>2019</b> , 498, 119125	2.7	2
74	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> , <b>2020</b> , 305, 112853	6	2
73	Synthesis of 1-pyridylphospholane-1-oxides and their Ni(II) complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1630-1631	1	2
72	Cu(I) Complexes of 14-Membered Cyclic Tetraphosphines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2015</b> , 190, 824-826	1	2
71	Anodic oxidation of 1,3-di(paratolyl)-5-paratoluidinomethyl-1,3,5-diazaphosphorinane on aluminum. <i>Russian Journal of Electrochemistry</i> , <b>2014</b> , 50, 1102-1104	1.2	2
70	Activation and transformation of white phosphorus by palladium(II) complexes. <i>Russian Chemical Bulletin</i> , <b>2010</b> , 59, 1116-1118	1.7	2
69	Bis(O-Carboxyphenylaminomethyl)Phenylphosphine - A Novel Hybrid Ligand in Coordination Chemistry of Transition Metals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1996</b> , 111, 133-133	1.3	2
68	Structure and reactions of benzo-4-diphenylphosphino-2-phenyl-1,3,2-dioxaborinane. <i>Heteroatom Chemistry</i> , <b>1994</b> , 5, 43-49	1.2	2



67	Complexes of 1,3,5-triphenyl-1,3,5-diazaphosphorinane with Pt(II), Co(II), Ni(II), AND Cu(I) salts. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1991</b> , 40, 191-193		2
66	Complexes of cyclic aminomethylphosphines with Pt(II), Pd(II), Cu(I), and Ag(I) salts. <i>Bulletin of the Russian Academy of Sciences Division of Chemical Science</i> , <b>1992</b> , 41, 253-259		2
65	Isomerism in metal complexes of 1,3,5-diazaphosphorinanes. Synthesis, crystal and molecular structure of conformers of cis-bis(1,3,5-triphenyl-1,3,5-triazaphosphorinane)dichloroplatinum(II). <i>Russian Chemical Bulletin</i> , <b>1993</b> , 42, 1587-1592	1.7	2
64	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> , <b>2020</b> , 196, 111306	6	2
63	Luminescent copper(I) and gold(I) complexes of 1,5-diaza-3,7-diphosphacyclooctanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1518-1519	1	2
62	Novel functionalized 1,5-diaza-3,7-diphosphacyclooctanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1515-1517	1	2
61	Cyclic aminomethylphosphines as ligands: Balancing between rational design and unpredicted findings. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1413-1415	1	2
60	10-(Aryl)phenoxarsines as ligands for design of polynuclear Cu(I) complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1587-1588	1	2
59	Synthesis of Cu(I) complexes of 10-(m-(R)-phenyl)phenoxarsines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2019</b> , 194, 480-481	1	2
58	Luminescent CuI-cubane clusters based on -methyl-5,10-dihydrophenarsazines. <i>Dalton Transactions</i> , <b>2021</b> , 50, 13421-13429	4.3	2
57	Structure impact on photodynamic therapy and cellular contrasting functions of colloids constructed from dimeric Au(I) complex and hexamolybdenum clusters. <i>Materials Science and Engineering C</i> , <b>2021</b> , 128, 112355	8.3	2
56	Synthesis of New 1,3,5-Azadiphosphorinanes Based on Aliphatic Amines. <i>Russian Journal of General Chemistry</i> , <b>2020</b> , 90, 224-228	0.7	1
55	Electrooxidation of 1,3-di(para-tolyl)-5-para-toluidinomethyl-1,3,5-diazaphosphorinane on soluble metallic anodes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2018</b> , 193, 50-52	1	1
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52	Novel Biomimetic Cyclic P,N-Ligands. Lability of P-CH <sub>2</sub> -N Fragment: Problem or Advantage?. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2013</b> , 188, 27-28	1	1
51	O-Complexes of 1,3,2,5-dioxaboraphosphorinanes with copper(I) and silver(I) salts. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1991</b> , 40, 804-809		1
50	Synthesis and properties of triethylammonium 2,2,5-triphenyl-1,3,2,5-dioxaborataphosphorinane. <i>Bulletin of the Russian Academy of Sciences Division of Chemical Science</i> , <b>1992</b> , 41, 1094-1099		1

49	Synthesis and molecular and crystal structure of trans-{bis(4,6-diisopropyl-2,5-diphenyl-1,3,2,5-dioxaboraphosphorinane)} dichloroplatinum(II). <i>Russian Chemical Bulletin</i> , <b>1993</b> , 42, 992-995	1.7	1
48	Reaction of 1,3,5-diazaphosphorinanes with borane. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1989</b> , 38, 1256-1260		1
47	Synthesis of trans-. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1990</b> , 39, 2225-2225		1
46	Synthesis of ammonium 1,3,2,5-dioxaborataphosphorinanes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1986</b> , 35, 1490-1493		1
45	Synthesis of triethylammonium 1,4-diphenyl-3-o-hydroxyphenyl-2,8,9-trioxa-1-borata-4-phospha-6,7-benzenobicyclo[3.3.1]nonane. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1987</b> , 36, 1969-1971		1
44	Reactions of bis(hydroxyalkyl)phosphines with iminoboranes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1988</b> , 37, 2172-2174		1
43	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
42	Stereoselective synthesis of the RPSPSPRP isomer of 22-membered P4N2 macrocycles. <i>Mendeleev Communications</i> , <b>2020</b> , 30, 697-699	1.9	1
41	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
40	New Gold(I) Complexes with 1,5-Diaza-3,7-Diphosphacyclooctanes: Synthesis and Structures. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2020</b> , 46, 477-484	1.6	1
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36	Metal complexes with aminomethylphosphines: Ni vs. Co in hydrogen evolution. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1604-1605	1	1
35	Novel chiral 14-membered aminomethylphosphines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1533-1534	1	1
34	Luminescent complexes of 1,5-diaza-3,7-diphosphacyclooctanes with coinage metals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2019</b> , 194, 410-414	1	1
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29	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> , <b>2019</b> , 194, 515-516	1	0
28	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> , <b>2020</b> , 69, 449-457	1.7	0
27	Complexes of 2,5-diphenyl-1,3,2,5-dioxaboraphosphorinane and 1,3,5-triphenyl-1,3,5-diazaphosphorinane with molybdenum hexacarbonyl. <i>Bulletin of the Russian Academy of Sciences Division of Chemical Science</i> , <b>1992</b> , 41, 167-169		0
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