

Andrey A Karasik

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.

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	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	
191	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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 129312	5.1	1
190	Assembly of Heterometallic AuICuI Cores on the Scaffold of NPPN-Bridging Cyclic Bisphosphine. <i>Inorganic Chemistry</i> , 2021 , 60, 5402-5411	5.1	3
189	Platinum(II) Complexes with 10-(Aryl)phenoxarsines: Synthesis, Cis/Trans Isomerization, and Luminescence. <i>Inorganic Chemistry</i> , 2021 , 60, 6804-6812	5.1	1
188	Luminescent CuI-cubane clusters based on -methyl-5,10-dihydrophenarsazines. <i>Dalton Transactions</i> , 2021 , 50, 13421-13429	4.3	2
187	Binuclear charged copper(I) complex as a multimode luminescence thermal sensor. <i>Sensors and Actuators A: Physical</i> , 2021 , 325, 112722	3.9	5
186	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> , 2021 , 128, 112355	8.3	2
185	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
184	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
183	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
182	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
181	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
180	Stereoselective synthesis of the RPSPSPRP isomer of 22-membered P4N2 macrocycles. <i>Mendeleev Communications</i> , 2020 , 30, 697-699	1.9	1
179	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
178	CuI-cubane clusters based on 10-(aryl)phenoxarsines and their luminescence. <i>Dalton Transactions</i> , 2020 , 49, 482-491	4.3	9
177	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
176	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

175	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
174	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
173	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
172	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
171	Synthesis and Structure of Iron (II) Complexes of Functionalized 1,5-Diaza-3,7-Diphosphacyclooctanes. <i>Molecules</i> , 2020 , 25,	4.8	3
170	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
169	Pt- and Pd-Complexes with Acyclic and Heterocyclic P-Hydroxyaryl-Substituted N-Phosphanylmethyl Amino Acids $RP(CH_2NHR')_2$ and $(RPCH_2NR'CH_2)_2$ [Evaluation of $(P^{\wedge}O)M$ Chelate Formation. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3682-3691	2.3	1
168	Reversible temperature-responsible emission in solutions within 293B33 K produced by dissociative behavior of multinuclear Cu(I) complexes with aminomethylphosphines. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119125	2.7	2
167	Fresh Look on the Nature of Dual-Band Emission of Octahedral Copper-Iodide ClustersPromising Ratiometric Luminescent Thermometers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 25863-25870	3.8	18
166	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
165	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
164	Application of density functional theory and optical spectroscopy for the prediction of the photophysical properties of Pyridylphospholanes. <i>Russian Chemical Bulletin</i> , 2019 , 68, 254-261	1.7	3
163	1,5-Diaza-3,7-Diphosphacyclooctane Bis-Ligand Nickel(II) Complexes as Oxygen Reduction Catalysts for Proton-Exchange Membrane Fuel Cells. <i>Energy Technology</i> , 2019 , 7, 1900020	3.5	0
162	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
161	Synthesis and coordination properties of phospholanopyridinium hydrochlorides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019 , 194, 502-505	1	
160	Luminescent complexes on a scaffold of P2N2-ligands: design of materials for analytical and biomedical applications. <i>Pure and Applied Chemistry</i> , 2019 , 91, 839-849	2.1	9
159	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
158	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

157	Intracyclic iron(II) complexes based on 16-membered P4N2 corands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019 , 194, 438-439	1	0
156	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> , 2019 , 194, 337-338	1	1
155	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> , 2019 , 194, 353-354	1	
154	The Assembly of Unique Hexanuclear Copper(I) Complexes with Effective White Luminescence. <i>Inorganic Chemistry</i> , 2019 , 58, 1048-1057	5.1	24
153	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	
152	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
151	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> , 2019 , 95, 166-173	8.3	7
150	Synthesis of Au(I) complex-based aqueous colloids for sensing of biothiols. <i>Inorganica Chimica Acta</i> , 2019 , 485, 26-32	2.7	6
149	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
148	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> , 2018 , 193, 50-52	1	1
147	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
146	The first representatives of tetranuclear gold(I) complexes of P,N-containing cyclophanes. <i>Dalton Transactions</i> , 2018 , 47, 7715-7720	4.3	5
145	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> , 2018 , 6, 1088-1095	3.5	9
144	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
143	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
142	Synthesis and Structure of N-Pyridyl-Containing Cyclic Aminomethylphosphines. <i>Russian Journal of General Chemistry</i> , 2018 , 88, 2257-2262	0.7	
141	Synthesis of a 16-Membered P4N2 Macrocyclic with Pyridyl-Substituted Phosphorus Atoms. <i>Russian Journal of General Chemistry</i> , 2018 , 88, 2449-2452	0.7	1
140	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> , 2018 , 67, 1206-1211	1.7	4

139	Organoelement chemistry: promising growth areas and challenges. <i>Russian Chemical Reviews</i> , 2018 , 87, 393-507	6.8	111
138	Macrocyclic tetrakis-phosphines and their copper(I) complexes. <i>Pure and Applied Chemistry</i> , 2017 , 89, 331-339	2.1	9
137	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
136	Cyclic aminomethylphosphines as ligands. Rational design and unpredicted findings. <i>Pure and Applied Chemistry</i> , 2017 , 89, 293-309	2.1	14
135	Supporting effect of polyethylenimine on hexarhenium hydroxo cluster complex for cellular imaging applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 340, 46-52	4.7	24
134	In situ electrochemical synthesis of Ni(II) complexes with aminomethylphosphines as intermediates for hydrogen evolution. <i>Electrochimica Acta</i> , 2017 , 225, 467-472	6.7	20
133	Covalent self-assembly of the specific RSSR isomer of 14-membered tetrakisphosphine. <i>Dalton Transactions</i> , 2017 , 46, 12417-12420	4.3	7
132	Synthetic organometallic models of iron-containing hydrogenases as molecular electrocatalysts for hydrogen evolution or oxidation. <i>Russian Chemical Reviews</i> , 2017 , 86, 298-317	6.8	10
131	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
130	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
129	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
128	EPR-spectroelectrochemistry of nickel-organic complexes—small molecules activators. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1613-1614	1	
127	Macrocyclic tetraphosphine corands and their complexes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1444-1446	1	1
126	New catalysts for PEM fuel cells. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1488-1490	4	
125	New 18-membered tetrakisphosphine macrocycle and its derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1591-1592	1	4
124	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
123	Conformational Analysis of P,N-Containing Eight-Membered Heterocycles and Their Pt/Ni Complexes in Solution. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1068-1084	2.3	10
122	Synthesis of novel pyridyl containing phospholanes and their polynuclear luminescent copper(I) complexes. <i>Dalton Transactions</i> , 2016 , 45, 2250-60	4.3	57

121	First Representatives of AuI Complexes of P,N-Containing Bicyclo[7.7.5]henicosane. <i>Macroheterocycles</i> , 2016 , 9, 46-49	2.2	7
120	Nickel-organic complexes as catalyst in PEM fuel cells. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1654-1655	1	
119	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
118	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
117	Luminescent copper(I) and gold(I) complexes of 1,5-diaza-3,7-diphosphacyclooctanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1518-1519	1	2
116	Novel functionalized 1,5-diaza-3,7-diphosphacyclooctanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1515-1517	1	2
115	Tetracarbonyltungsten (0) and tetrachlorobismuth (0) complexes of P,N-containing cyclophanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1581-1582	1	3
114	Structure and dynamics of eight-membered P,N-heterocycles in solution. <i>Russian Journal of General Chemistry</i> , 2016 , 86, 584-589	0.7	
113	Iron or nickel complexes bearing diphosphine and BIAN ligands as electrocatalysts for H ₂ evolution. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1644-1645	1	4
112	Cyclic aminomethylphosphines as ligands: Balancing between rational design and unpredicted findings. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1413-1415	1	2
111	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
110	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	2.6	16
109	Novel chiral 14-membered aminomethylphosphines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1533-1534	1	1
108	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
107	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
106	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
105	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	
104	Influence of the racemo isomerization of seven-membered cyclic bisphosphines on the predominant formation of chelate complexes. <i>Polyhedron</i> , 2015 , 100, 344-350	2.7	10

103	Heterocyclic Phosphines with P-C-X Fragments (X=O, N, P). <i>Advances in Heterocyclic Chemistry</i> , 2015 , 83-130	2.4	19
102	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
101	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
100	Cu(I) Complexes of 14-Membered Cyclic Tetrphosphines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015 , 190, 824-826	1	2
99	New P,N-Containing Cyclophanes with Exocyclic Pyridyl Containing Substituents on Phosphorus Atoms. <i>Macrocyclics</i> , 2015 , 8, 402-408	2.2	7
98	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
97	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
96	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> , 2014 , 50, 142-153	1.2	9
95	Anodic oxidation of 1,3-di(paratolyl)-5-paratoluidinomethyl-1,3,5-diazaphosphorinane on aluminum. <i>Russian Journal of Electrochemistry</i> , 2014 , 50, 1102-1104	1.2	2
94	Synthesis of New Examples of Corands with 16-Membered P,N-Containing Core Ring. <i>Macrocyclics</i> , 2014 , 7, 181-188	2.2	16
93	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
92	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
91	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
90	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> , 2013 , 111, 466-473	6.7	9
89	Electrochemical switching of monomer↔associate in the system tetraviologen calix[4]resorcinol, 7-di(l-menthyl)-1,5-di(p-sulfonatophenyl)-1,5-diaza-3,7-diphosphacyclooctane. <i>Russian Chemical Bulletin</i> , 2013 , 62, 2158-2170	1.7	5
88	New aminomethylphosphines with cyanophenyl substituents at the nitrogen atoms. <i>Russian Chemical Bulletin</i> , 2013 , 62, 2487-2494	1.7	4
87	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
86	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

85	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
84	Host-Guest Complexes of P,N-Containing Cyclophanes with Heteroaromatic Ammonium Salts in Solution. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013 , 188, 19-20	1	4
83	Lasagna-type arrays with halide-nitromethane cluster filling. The first recognition of the Hal(-)HCH ₂ NO ₂ (Hal = Cl, Br, I) hydrogen bonding. <i>Dalton Transactions</i> , 2012 , 41, 6922-31	4.3	10
82	Binding of 1,5-bis(p-sulfonatophenyl)-3,7-diphenyl-1,5-diaza-3,7-diphosphacyclooctane with tetra(methyl viologen) calix[4]resorcinol. <i>Russian Chemical Bulletin</i> , 2012 , 61, 2295-2310	1.7	10
81	Synthesis of 1-(pyridylalkyl)-1-aza-3,6-diphosphacycloheptanes. <i>Russian Chemical Bulletin</i> , 2012 , 61, 1792-1797	1.7	11
80	Structure and dynamics of P,N-containing heterocycles and their metal complexes in solution. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 3182-93	2.8	23
79	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
78	Phosphorus Based Macrocyclic Ligands: Synthesis and Applications. <i>Catalysis By Metal Complexes</i> , 2011 , 375-444		8
77	The First Example of Diazadiphosphacyclooctanes with Bicyclic Substituents. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011 , 186, 764-765	1	4
76	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). <i>Polyhedron</i> , 2011 , 30, 3232-3237	2.7	11
75	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
74	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> , 2011 , 186, 887-890	1	6
73	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> , 2011 , 186, 852-853	1	5
72	First Example of 14-Membered Cyclic Aminomethylphosphine. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011 , 186, 761-763	1	9
71	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> , 2011 , 186, 891-893	1	7
70	Stereoselective Synthesis of Novel 18- and 20-Membered P,N-Containing Macrocyclic Phosphine Ligands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011 , 186, 888-890	1	6
69	Novel P,N-Containing Cyclophane with a Chiral Hydrophobic Cavity. <i>Macroheterocycles</i> , 2011 , 324-330	2.2	10
68	Structure, conformation, and dynamics of P,N-containing cyclophanes in solution. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 2588-96	2.8	16

67	First representative of optically active P-L-menthyl-substituted (aminomethyl)phosphine and its borane and metal complexes. <i>Inorganic Chemistry</i> , 2010 , 49, 5407-12	5.1	21
66	Activation and transformation of white phosphorus by palladium(ii) complexes. <i>Russian Chemical Bulletin</i> , 2010 , 59, 1116-1118	1.7	2
65	The first example of stereoselective self-assembly of a cryptand containing four asymmetric intracyclic phosphane groups. <i>Tetrahedron Letters</i> , 2010 , 51, 1034-1037	2	17
64	An effective strategy of P,N-containing macrocycle design. <i>Comptes Rendus Chimie</i> , 2010 , 13, 1151-1167	2.7	34
63	P,N-Containing cyclophanes with large helical hydrophobic cavities: prospective precursors for the design of a molecular reactor. <i>Dalton Transactions</i> , 2009 , 490-4	4.3	18
62	New Synthetic Approaches to Chiral Cyclic and Macrocyclic Phosphine Ligands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008 , 183, 445-448	1	5
61	Stereoselective Synthesis and Interconversions of 1,9-Diaza-3,7,11,15-Tetraphosphacyclohexadecanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008 , 183, 456-459	1	8
60	An Effective Methodology of P,N-Macrocycles Design. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008 , 183, 583-585	1	7
59	Novel 36- and 38-Membered P,N-Containing Cyclophanes with Large Hydrophobic Cavities. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008 , 183, 667-668	1	4
58	13,17,53,57-Tetraphenyl-13,17,53,57-tetrathio-3,7-dithia-1,5(1,5)-di(1,5-diaza-3,7-diphosphacyclooctana)-2,4,6,8(1,4)-tetraene with an unusual conical-like conformation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2008 , 60, 321-328		9
57	1,3,6-Azadiphosphacycloheptanes: A novel type of heterocyclic diphosphines. <i>Heteroatom Chemistry</i> , 2008 , 19, 125-132	1.2	28
56	Synthesis of a chiral macrocyclic tetraphosphine 1,9-di-R,R(and S,S)-1-methylbenzyl-3,7,11,15-tetramesityl-1,9-diaza-3,7,11,15-(RSSR)-tetraphosphacyclohexadecane. <i>Mendeleev Communications</i> , 2008 , 18, 80-81	1.9	23
55	Synthesis, Molecular Structure and Coordination Chemistry of the First 1-Aza-3,7-diphosphacyclooctanes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 205-210	1.3	27
54	Primary and P-Alkylated o-Phosphanylphenols: Synthesis by Reduction and Reductive Alkylation of Diethyl Arylphosphonates and Screening in Ethylene Polymerization. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 1995-2003	1.3	13
53	Synthesis of novel paracyclophanes with linear P,N-containing spacers. <i>Russian Chemical Bulletin</i> , 2007 , 56, 1828-1837	1.7	9
52	The first representative of novel 36-membered P,N,O-containing cyclophanes. <i>Mendeleev Communications</i> , 2007 , 17, 195-196	1.9	24
51	Synthesis, structure, and transition metal complexes of amphiphilic 1,5-diaza-3,7-diphosphacyclooctanes. <i>Heteroatom Chemistry</i> , 2006 , 17, 499-513	1.2	32
50	Synthesis and molecular structure of a chiral ferrocenylphosphine. <i>Mendeleev Communications</i> , 2005 , 15, 89-90	1.9	12

49	PH-functional o-phosphinophenols: Synthesis via methoxymethylethers and screening tests for Ni-catalyzed ethylene polymerization. <i>Heteroatom Chemistry</i> , 2005 , 16, 379-390	1.2	7
48	Pd complexes of (RR)- and (SS)-1,5-methylbenzyl-3,7-diphenyl-1,5-diaza-3,7-diphosphacyclooctane as catalysts in alternating copolymerization of CO with dienes. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2005 , 31, 260-268	1.6	4
47	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> , 2004 , 357-8	4.3	30
46	Self-assembly of novel macrocyclic aminomethylphosphines with hydrophobic intramolecular cavities. <i>Dalton Transactions</i> , 2004 , 442-7	4.3	26
45	Novel chiral 1,5-diaza-3,7-diphosphacyclooctane ligands and their transition metal complexes. <i>Dalton Transactions</i> , 2003 , 2209-2214	4.3	31
44	Synthesis of New Macrocyclic Aminomethylphosphines Based on 4,4'-Diaminodiphenylmethane and Its Derivatives.. <i>ChemInform</i> , 2002 , 33, 173-173		
43	Water-soluble aminomethyl(ferrocenylmethyl)phosphines and their trinuclear transition metal complexes. <i>Polyhedron</i> , 2002 , 21, 2251-2256	2.7	36
42	Synthesis of new macrocyclic aminomethylphosphines based on 4,4'-diaminodiphenylmethane and its derivatives. <i>Russian Chemical Bulletin</i> , 2002 , 51, 151-156	1.7	16
41	Phosphino Amino Acids: Novel Water-Soluble Ligands for Coordination Chemistry of Transition Metals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002 , 177, 1469-1471	1	5
40	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
39	Synthesis of novel water-soluble heterocyclic phosphino amino acids with bulky aromatic substituents on phosphorus. <i>Polyhedron</i> , 2000 , 19, 1455-1459	2.7	33
38	Synthesis, structures, and properties of 3,6-di-tert-butyl-o-benzosemiquinone complexes of copper(I) with 1,5-diaza-3,7-diphosphacyclooctanes. <i>Russian Chemical Bulletin</i> , 2000 , 49, 1782-1788	1.7	10
37	Heterocyclic Phosphorus Ligands in Coordination Chemistry of Transition Metals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999 , 144, 289-292	1	11
36	Synthesis of some novel water-soluble chiral phosphines. <i>Mendeleev Communications</i> , 1998 , 8, 140-141	1.9	11
35	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> , 1997 , 46, 1154-1157	1.7	4
34	Bis(O-Carboxyphenylaminomethyl)Phenylphosphine - A Novel Hybrid Ligand in Coordination Chemistry of Transition Metals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1996 , 111, 133-133	1.3	2
33	Structure and reactions of benzo-4-diphenylphosphino-2-phenyl-1,3,2-dioxaborinane. <i>Heteroatom Chemistry</i> , 1994 , 5, 43-49	1.2	2
32	Synthesis of cis-bis-P,P'-(triethylammonium-2,2,5-triphenyl-1,3,2,5-dioxaborataphosphorinane)dichloroplatinum(II). <i>Russian Chemical Bulletin</i> , 1994 , 43, 715-716	1.7	

31	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> , 1994 , 43, 372-374	1.7	3
30	FTIR - spectroscopy study of the three-dimensional structure of 1,3,5-diaza-phosphorinane complexes with transitional metals. <i>Journal of Molecular Structure</i> , 1993 , 293, 85-88	3.4	3
29	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> , 1993 , 42, 1587-1592	1.7	2
28	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> , 1993 , 42, 992-995	1.7	1
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> , 1992 , 41, 167-169		0
26	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> , 1992 , 41, 1094-1099		1
25	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> , 1992 , 41, 253-259		2
24	Aminomethylphosphines in template synthesis on Pt(II), Pd(II), and Hg(II). <i>Heteroatom Chemistry</i> , 1992 , 3, 439-442	1.2	7
23	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> , 1991 , 40, 633-637		4
22	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> , 1991 , 40, 804-809		1
21	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> , 1991 , 40, 191-193		2
20	Synthesis and structural features of 1,3,2,5-dioxaboraphosphorinane complexes with Pt(II) and Pd(II) salts. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1991 , 40, 2023-2026		
19	Electrochemical behavior of 1,3,2,5-dioxaboraphosphorinanes and their complexes with copper(I). <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1991 , 40, 303-306		
18	P, B-Containing Heterocycles. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1990 , 49-50, 271-274		0
17	Synthesis of trans-. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1990 , 39, 2225-2225		1
16	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> , 1990 , 39, 1957-1959		3
15	Complexes of 1,3,2,5-dioxaboraphosphorinanes with borane. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1990 , 39, 1005-1007		
14	Tautomerism in 1,3,2,5-dioxaborataphosphorinanes and their analogs. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1990 , 39, 1017-1022		

- 13 Synthesis, structure, and antiviral activity of hydrazinium 5-thia-1,3,2,5-dioxaborataphosphorinanes. *Pharmaceutical Chemistry Journal*, **1990**, 24, 486-489 0.9
- 12 Synthesis of P, B-containing heterocycles based on bis(2-dihydroxybenzyl)phenylphosphine. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1989**, 38, 853-857
- 11 Reaction of 1,3,5-diazaphosphorinanes with borane. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1989**, 38, 1256-1260 1
- 10 Reactions of bis(hydroxyalkyl)phosphines with iminoboranes. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1988**, 37, 2172-2174 1
- 9 Conversion of functionally substituted phosphonium borates to phosphobetaines. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1988**, 37, 2187-2187
- 8 Synthesis of phosphonium 1,3,2,5-dioxaborataphosphorinanes. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1988**, 37, 2349-2351
- 7 Synthesis of 1,3-diborane-2-hydro-5-thio-1,3,2,5-diazaboraphosphorinane. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1988**, 37, 1972-1972
- 6 Reaction of ammonium 1,3,2,5-dioxaborataphosphorinanes with electrophilic reagents. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1988**, 37, 143-147
- 5 Reaction of bis(hydroxymethyl)phenylphosphine oxide with isobutyl diphenylborate in the presence of amines. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1988**, 37, 173-175
- 4 Synthesis of triethylammonium 1,4-diphenyl-3-o-hydroxyphenyl-2,8,9-trioxa-1-borata-4-phospha-6,7-benzenobicyclo[3.3.1]nonane. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1987**, 36, 1969-1971 1
- 3 Synthesis of ammonium 1,3,2,5-dioxaborataphosphorinanes. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1986**, 35, 1490-1493 1
- 2 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
- 1 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