

Victor Makhaev

List of Publications by Citations

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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.

76
papers

439
citations

10
h-index

18
g-index

99
ext. papers

474
ext. citations

2.1
avg, IF

3.2
L-index

#	Paper	IF	Citations
76	Structural and dynamic properties of tetrahydroborate complexes. <i>Russian Chemical Reviews</i> , 2000 , 69, 727-746	6.8	64
75	Structure, magnetism and optical properties of achiral and chiral two-dimensional oxalate-bridged anionic networks with symmetric and asymmetric ammonium cations. <i>Dalton Transactions</i> , 2005 , 3101-743	4.3	38
74	Solid-state mechanochemical synthesis of ferrocene. <i>Journal of Organometallic Chemistry</i> , 1999 , 590, 222-226	2.3	33
73	Phenazineoxonium chloranilatomanganate and chloranilatoferrate: synthesis, structure, magnetic properties, and Mössbauer spectra. <i>Russian Chemical Bulletin</i> , 2011 , 60, 1209-1219	1.7	25
72	The solid-state diastereoselective formation of oxazolidines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997 , 2425-2428		25
71	Structure of $\{[(\eta^5\text{-C}_5\text{H}_5)_2\text{Zr}(\mu\text{-P}(\text{C}_6\text{H}_5))_2]\}_2\{[(\text{THF})_3\text{Li}]_2(\mu\text{-Cl})\}$ and Its Implications for the Nature of Dilithium Dinitrogen Complex. <i>Journal of the American Chemical Society</i> , 1995 , 117, 12176-12180	16.4	18
70	Hydrolysis of magnesium hydride in the presence of ammonium salts. <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 858-860	1.5	13
69	Structure of methane complexes according to the data of experimental and theoretical investigations. <i>Russian Chemical Reviews</i> , 2003 , 72, 257-278	6.8	13
68	Solid-phase oxidative halodecarboxylation of acrylacrylic acids with the ceric ammonium nitrate-alkali halide system. <i>Russian Chemical Bulletin</i> , 2008 , 57, 118-123	1.7	12
67	X-ray photoelectron spectra of polyhydrido complexes of tungsten and molybdenum. <i>Journal of Organometallic Chemistry</i> , 1979 , 164, 47-50	2.3	11
66	Single-site catalysts in the industrial production of polyethylene. <i>Catalysis in Industry</i> , 2012 , 4, 129-140	0.8	10
65	Binuclear Copper(I) Borohydride Complex Containing Bridging Bis(diphenylphosphino) Methane Ligands: Polymorphic Structures of $[(\mu\text{-dppm})_2\text{Cu}_2(\mu\text{-BH}_4)_2]$ Dichloromethane Solvate. <i>Crystals</i> , 2017 , 7, 318	2.3	10
64	(S)-(-)-(2-MeBu)N(Pr)Me salt as template in the enantioselective synthesis of the enantiopure two-dimensional (S)-(-)-(2-MeBu)N(Pr)Me[MnCr(CO)] ferromagnet. <i>Chirality</i> , 2013 , 25, 444-8	2.1	10
63	Production of manganese borohydride complexes of manganese solvated with THF, and the structure of $\text{Mn}(\text{BH}_4)_2(\text{THF})_3$. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1987 , 36, 1582-1586		10
62	Oxidation of 1-alkylcycloalkanols with PbIV and MnIII compounds under mechanical activation. <i>Russian Chemical Bulletin</i> , 1999 , 48, 2080-2082	1.7	9
61	Synthesis and reactivity of metal-containing monomers. <i>Russian Chemical Bulletin</i> , 1999 , 48, 1174-1177	1.7	9
60	Solid-phase mechanochemical synthesis of zirconium tetracarboxylates. <i>Russian Chemical Bulletin</i> , 2010 , 59, 1735-1739	1.7	7

59	Solid-state mechanochemical synthesis of tris(4-imino-2-pentanonato)chromium, Cr[CH ₃ C(NH)CHC(O)CH ₃] ₃ . <i>Russian Chemical Bulletin</i> , 1994 , 43, 2107-2109	1.7	7
58	Solid-state mechanochemical synthesis of cobalt(III), iron(III), and chromium(III) bisdicarbollyl complexes. <i>Russian Chemical Bulletin</i> , 1993 , 42, 1637-1639	1.7	7
57	Mechanochemical synthesis of chromium tris(2-ethylhexanoate) and evaluation of its catalytic activity in the reaction of ethylene trimerization. <i>Russian Journal of Applied Chemistry</i> , 2013 , 86, 1819-1824	0.8	6
56	Mechanochemical synthesis of zirconium and hafnium phenoxyimine complexes L ₂ MCl ₂ (L = N-(3,5-di-tert-butylsalicylidene)-2,3,5,6-tetrafluoroanilate anion) and their catalytic properties in ethylene polymerization. <i>Russian Chemical Bulletin</i> , 2014 , 63, 1533-1538	1.7	6
55	Mechanochemical synthesis of vanadium(III) diketonates. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 1105-1109	0.7	5
54	Mechanochemical synthesis of triphenylmethyl cation and triphenylcyclopropenyl cation tetrakis(pentafluorophenyl)borates. <i>Russian Chemical Bulletin</i> , 2014 , 63, 651-656	1.7	4
53	Polymerization of ethylene with the (C ₅ H ₅) ₄ Zr-methylaluminoxane soluble catalytic system. <i>Polymer Science - Series B</i> , 2007 , 49, 85-90	0.8	4
52	Solid-phase reactions of alkanedicarboxylic acids with the Pb(OAc) ₄ -NH ₄ Cl system. <i>Mendeleev Communications</i> , 2003 , 13, 264-265	1.9	4
51	Oxidation of aliphatic alcohols with the lead tetraacetate-metal halide system under mechanical activation. <i>Russian Chemical Bulletin</i> , 2000 , 49, 1842-1845	1.7	4
50	Synthesis and antitumor activity of vitamin B ₁ derivatives containing ferrocene fragment. <i>Pharmaceutical Chemistry Journal</i> , 1996 , 30, 79-81	0.9	4
49	Preparation of hydroborate complexes of copper and an investigation of the dependence of their structure on the nature of the organophosphorus ligands. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1985 , 34, 1731-1736		4
48	Steric and Acidity Control in Hydrogen Bonding and Proton Transfer to trans-W(N)(dppe). <i>Inorganic Chemistry</i> , 2018 , 57, 1656-1664	5.1	3
47	Bimetallic chloranilate complexes (R ₄ E)[M ^{II} Fe ^{III} (C ₆ O ₄ Cl ₂) ₃] (R ₄ E = Bu ₄ N, Ph ₄ P; M ^{II} = Mn, Fe, Co, Ni, Cu): Synthesis, characteristics, and magnetic properties. <i>Doklady Chemistry</i> , 2011 , 437, 129-132	0.8	3
46	Effect of trimethylaluminum on the formation of active sites of the catalytic system bis[N-(3,5-di-tert-butylsalicylidene)-2,3,5,6-tetrafluoroanilinato]titanium(IV) dichloride/MAO and catalytic isomerization of hex-1-ene. <i>Russian Chemical Bulletin</i> , 2011 , 60, 1461-1468	1.7	3
45	Reactions of zirconium tetrachloride with pivalic acid in organic solvents under heating. <i>Russian Journal of Inorganic Chemistry</i> , 2011 , 56, 304-307	1.5	3
44	Mechanically activated solid-phase synthesis of copper(II), zinc(II), and cadmium(II) diethyldithiocarbamates. <i>Russian Journal of Inorganic Chemistry</i> , 2007 , 52, 865-870	1.5	3
43	Is the unexpected behaviour of the resolved K ₃ [Cr ^{III} (C ₂ O ₄) ₃] in aqueous solution responsible for the formation of pure chiral solid phase of a two-dimensional (2D) [M ^{II} Cr ^{III} (C ₂ O ₄) ₃ NEt(n-Pr)(n-Bu)(n-C ₅ H ₁₁)] network?. <i>Mendeleev Communications</i> , 2004 , 14, 284-285	1.9	3
42	Synthesis of Cyclopentadienylvanadium Oxydichloride from Vanadium Oxotrichloride. <i>Russian Journal of General Chemistry</i> , 2004 , 74, 465-466	0.7	3

41	Complexes of manganese borohydride with the borohydrides of organic cations. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1989 , 38, 377-382		3
40	Photo- and chemiluminescence of $\text{NaLn}(\text{BH}_4)_5 \cdot \text{DME}$ complexes upon reaction with O_2 in solution. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1989 , 38, 434-435		3
39	Crystal and molecular structure of (tetrahydridoborato)bis(diphenylbutylphosphine)copper(I). <i>Journal of Structural Chemistry</i> , 1984 , 25, 496-498	0.9	3
38	Synthesis and some properties of anionic chloranilate complexes of iron(III). Crystal and molecular structure of rubidium and cesium chloranilateoferrates. <i>Russian Chemical Bulletin</i> , 2013 , 62, 419-426	1.7	2
37	Ferromagnetism of localized and itinerant electrons in two-dimensional organometallic networks. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017 , 81, 855-859	0.4	2
36	Synthesis and crystal structure of the salt of the protonated thiamine cation with the palladium(II) tetrachloride anion $[\text{HTA}]_2[\text{PdCl}_4]\text{Cl}_2 \cdot 2\text{H}_2\text{O}$. <i>Russian Journal of Inorganic Chemistry</i> , 2012 , 57, 927-931	1.5	2
35	Mechanically Activated Mixtures of Calcium Chloride with Sodium β -Diketonates. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2001 , 27, 767-770	1.6	2
34	Self-propagating synthesis of chromium acetylacetonate. <i>Russian Chemical Bulletin</i> , 1995 , 44, 1111-1113	1.7	2
33	Preparation of calcium cyclopentadienyl complexes using calcium borohydride. <i>Russian Chemical Bulletin</i> , 1993 , 42, 339-340	1.7	2
32	Anionic zirconium and hafnium borohydride complexes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1990 , 39, 1081-1087		2
31	X-ray structural investigation of crystals $(\text{BH}_4)_3\text{Ti}[\text{CH}_3\text{OCH}_2\text{CH}_2\text{OCH}_3]$. <i>Journal of Structural Chemistry</i> , 1986 , 27, 161-164	0.9	2
30	Intramolecular hydrogen transfer from the alkyl substituent of a phosphine ligand to a metal atom upon the irradiation of tungsten phosphine hydride complexes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1987 , 36, 928-930		2
29	Reactions of Transition Metal Polyhydride Complexes with Hydrocarbons. <i>Russian Chemical Reviews</i> , 1988 , 57, 1162-1174	6.8	2
28	X-ray structural study of tetrahydro-tetrakis (diphenylethylphosphino) tungsten. <i>Journal of Structural Chemistry</i> , 1980 , 20, 812-813	0.9	2
27	Crystal and molecular structure of tetrahydridotetrakis (Tri-iso-propylphosphito) tungsten. <i>Journal of Structural Chemistry</i> , 1980 , 21, 100-104	0.9	2
26	Synthesis and properties of vanadium borohydride complex $\text{NaV}(\text{BH}_4)_4 \cdot \text{BDME}$. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1978 , 27, 2520-2521		2
25	Alkylation of toluene with dichloromethane in the presence of triisobutylaluminum and perfluorophenylborates. <i>Russian Chemical Bulletin</i> , 2015 , 64, 2076-2082	1.7	1
24	Effect of the nature of an organoaluminum activator on catalytic properties of phenoxyimine zirconium complexes in homo- and copolymerization reactions of ethylene. <i>Russian Chemical Bulletin</i> , 2011 , 60, 1452-1460	1.7	1

23	Ethylene polymerization and copolymerization with hexene-1 on supported metallocene catalysts based on (C ₅ H ₅) ₄ Zr and methylaluminumoxane. <i>Polymer Science - Series A</i> , 2007 , 49, 496-502	1.2	1
22	[H ₂ OT][PdCl ₄], a salt of the protonated oxythiamine cation with the tetrachloropalladate(II) tetrachloride anion synthesis and crystal structure. <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 1411-1416 ¹	1.5	1
21	Solid-state chlorodecarboxylation of mono- and dicarboxylic acids with the Pb(OAc) ₄ -MCl system. <i>Russian Chemical Bulletin</i> , 2004 , 53, 2200-2204	1.7	1
20	Oxoalkylation of Pyrazine by 1-Methylcycloalkanols Upon Mechanical Activation. <i>Chemistry of Heterocyclic Compounds</i> , 2002 , 38, 494-495	1.4	1
19	Interaction of buckminsterfullerene with complex hydrides. <i>Synthetic Metals</i> , 1995 , 70, 1461-1462	3.6	1
18	The synthesis and biological activity of hydroxythiamine platinate (IV). <i>Pharmaceutical Chemistry Journal</i> , 1994 , 28, 724-727	0.9	1
17	On the reaction of buckminsterfullerene with tetrabutylammonium tetrahydridoborate. <i>Russian Chemical Bulletin</i> , 1993 , 42, 772-773	1.7	1
16	Photochemical reaction of phosphine hydride complexes of molybdenum and tungsten with molecular nitrogen. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1981 , 30, 947-952		1
15	New catalysts for the reduction of aromatic diazo compounds by alcohols to hydrocarbons. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1983 , 32, 858-861		1
14	Interaction of ferrocenecarbaldehyde with zinc tetrahydroborate and its derivatives. <i>Russian Chemical Bulletin</i> , 1999 , 48, 212-214	1.7	0
13	Solid-phase synthesis of platinum group metal β -diketonates. <i>Inorganica Chimica Acta</i> , 2021 , 518, 120231	2.7	0
12	Mechanically Activated Solid-Phase Reaction of Copper(I) Chloride with Sodium β -Diketonates: Formation of Metallic Copper Nanoparticles. <i>Russian Journal of General Chemistry</i> , 2019 , 89, 1447-1450	0.7	
11	Synthesis of tris(cyclopentadienyl)zirconium tetrakis(pentafluorophenyl)borate. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2708-2711	1.7	
10	solid-state reaction of a lead tetraacetate-metal halide system with naphthalene under mechanical activation. <i>Russian Chemical Bulletin</i> , 1998 , 47, 1353-1355	1.7	
9	Synthesis and crystal structure of the salt of the protonated oxythiamine cation with a platinum(IV) mixed-halide anion [H ₂ OT][Pt(Cl/Br) ₆]. <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 1703-1711	1.5	
8	Synthesis and molecular structure of o-isopropylchloro-formiminodiphenylphosphinate. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1987 , 36, 2410-2412		
7	Carbonylation of phosphine hydride complexes of tungsten under the action of CO ₂ . <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1979 , 28, 1779-1779		
6	Fixation and reduction of molecular nitrogen during irradiation of phosphine hydride complexes of tungsten and molybdenum. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1979 , 28, 2406-2407		

- 5 Additive character of shift of W4f line in X-ray photoelectronic spectra of phosphine complexes of tungsten. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1981**, 30, 1322-1323
- 4 Effect of nitrogen pressure and nature of phosphine ligand on photochemical reaction of phosphine hydride complexes of tungsten with molecular nitrogen. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1981**, 30, 699-702
- 3 Low-frequency vibrational spectrum of a complex of molecular nitrogen, rhenium(I) chloro(dinitrido)tetrakis(dimethylphenylphosphine). *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1981**, 30, 1789-1790
- 2 Mo(CO)₆ and molybdenum complexes as initiators of the interaction of 1,1,1,3-tetrachloropropane with unsaturated compounds. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1983**, 32, 539-542
- 1 Photochemical interaction of phosphine hydride complexes of molybdenum and tungsten with carbon monoxide. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1983**, 32, 1163-1167