

# Victor Makhaev

## 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.

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	Solid-phase synthesis of platinum group metal $\beta$ -diketonates. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 518, 120231	2.7	0
75	Mechanically Activated Solid-Phase Reaction of Copper(I) Chloride with Sodium $\beta$ -Diketonates: Formation of Metallic Copper Nanoparticles. <i>Russian Journal of General Chemistry</i> , <b>2019</b> , 89, 1447-1450	0.7	
74	Steric and Acidity Control in Hydrogen Bonding and Proton Transfer to trans-W(N)(dppe). <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 1656-1664	5.1	3
73	Mechanochemical synthesis of vanadium(III) $\beta$ -diketonates. <i>Russian Journal of General Chemistry</i> , <b>2017</b> , 87, 1105-1109	0.7	5
72	Ferromagnetism of localized and itinerant electrons in two-dimensional organometallic networks. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2017</b> , 81, 855-859	0.4	2
71	Binuclear Copper(I) Borohydride Complex Containing Bridging Bis(diphenylphosphino) Methane Ligands: Polymorphic Structures of $[(\eta^2\text{-dppm})_2\text{Cu}_2(\text{B}_2\text{H}_4)_2]$ Dichloromethane Solvate. <i>Crystals</i> , <b>2017</b> , 7, 318	2.3	10
70	Synthesis of tris(cyclopentadienyl)zirconium tetrakis(pentafluorophenyl)borate. <i>Russian Chemical Bulletin</i> , <b>2016</b> , 65, 2708-2711	1.7	
69	Alkylation of toluene with dichloromethane in the presence of triisobutylaluminum and perfluorophenylborates. <i>Russian Chemical Bulletin</i> , <b>2015</b> , 64, 2076-2082	1.7	1
68	Mechanochemical synthesis of triphenylmethyl cation and triphenylcyclopropenyl cation tetrakis(pentafluorophenyl)borates. <i>Russian Chemical Bulletin</i> , <b>2014</b> , 63, 651-656	1.7	4
67	Mechanochemical synthesis of zirconium and hafnium phenoxyimine complexes $\text{L}_2\text{MCl}_2$ (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> , <b>2014</b> , 63, 1533-1538	1.7	6
66	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> , <b>2013</b> , 86, 1819-1824	0.8	6
65	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> , <b>2013</b> , 62, 419-426	1.7	2
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> , <b>2013</b> , 25, 444-8	2.1	10
63	Single-site catalysts in the industrial production of polyethylene. <i>Catalysis in Industry</i> , <b>2012</b> , 4, 129-140	0.8	10
62	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> , <b>2012</b> , 57, 927-931	1.5	2
61	Bimetallic chloranilate complexes (R <sub>4</sub> E)[M <sup>II</sup> Fe <sup>III</sup> (C <sub>6</sub> O <sub>4</sub> Cl <sub>2</sub> ) <sub>3</sub> ] (R <sub>4</sub> E = Bu <sub>4</sub> N, Ph <sub>4</sub> P; M <sup>II</sup> = Mn, Fe, Co, Ni, Cu): Synthesis, characteristics, and magnetic properties. <i>Doklady Chemistry</i> , <b>2011</b> , 437, 129-132	0.8	3
60	Phenazineoxonium chloranilatomanganate and chloranilateoferrate: synthesis, structure, magnetic properties, and Mössbauer spectra. <i>Russian Chemical Bulletin</i> , <b>2011</b> , 60, 1209-1219	1.7	25

59	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> , <b>2011</b> , 60, 1452-1460	1.7	1
58	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> , <b>2011</b> , 60, 1461-1468	1.7	3
57	Reactions of zirconium tetrachloride with pivalic acid in organic solvents under heating. <i>Russian Journal of Inorganic Chemistry</i> , <b>2011</b> , 56, 304-307	1.5	3
56	Solid-phase mechanochemical synthesis of zirconium tetracarboxylates. <i>Russian Chemical Bulletin</i> , <b>2010</b> , 59, 1735-1739	1.7	7
55	Solid-phase oxidative halodecarboxylation of $\alpha$ -acrylic acids with the ceric ammonium nitrate/alkali halide system. <i>Russian Chemical Bulletin</i> , <b>2008</b> , 57, 118-123	1.7	12
54	Hydrolysis of magnesium hydride in the presence of ammonium salts. <i>Russian Journal of Inorganic Chemistry</i> , <b>2008</b> , 53, 858-860	1.5	13
53	[H <sub>2</sub> OT][PdCl <sub>4</sub> ], a salt of the protonated oxythiamine cation with the tetrachloropalladate(II) tetrachloride anion synthesis and crystal structure. <i>Russian Journal of Inorganic Chemistry</i> , <b>2008</b> , 53, 1411-1416 <sup>1</sup>	1.5	1 <sup>1</sup>
52	Synthesis and crystal structure of the salt of the protonated oxythiamine cation with a platinum(IV) mixed-halide anion [H <sub>2</sub> OT][Pt(Cl/Br) <sub>6</sub> ]. <i>Russian Journal of Inorganic Chemistry</i> , <b>2008</b> , 53, 1703-1711	1.5	
51	Mechanically activated solid-phase synthesis of copper(II), zinc(II), and cadmium(II) diethyldithiocarbamates. <i>Russian Journal of Inorganic Chemistry</i> , <b>2007</b> , 52, 865-870	1.5	3
50	Ethylene polymerization and copolymerization with hexene-1 on supported metallocene catalysts based on (C <sub>5</sub> H <sub>5</sub> ) <sub>4</sub> Zr and methylaluminoxane. <i>Polymer Science - Series A</i> , <b>2007</b> , 49, 496-502	1.2	1
49	Polymerization of ethylene with the (C <sub>5</sub> H <sub>5</sub> ) <sub>4</sub> Zr-methylaluminoxane soluble catalytic system. <i>Polymer Science - Series B</i> , <b>2007</b> , 49, 85-90	0.8	4
48	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> , <b>2005</b> , 3101-7 <sup>4-3</sup>		3 <sup>8</sup>
47	Is the unexpected behaviour of the resolved K <sub>3</sub> [CrIII(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ] in aqueous solution responsible for the formation of pure chiral solid phase of a two-dimensional (2D) [MnIICrIII(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> NEt(n-Pr)(n-Bu)(n-C <sub>5</sub> H <sub>11</sub> )] network?. <i>Mendeleev Communications</i> , <b>2004</b> , 14, 284-285	1.9	3
46	Synthesis of Cyclopentadienylvanadium Oxydichloride from Vanadium Oxotrichloride. <i>Russian Journal of General Chemistry</i> , <b>2004</b> , 74, 465-466	0.7	3
45	Solid-state chlorodecarboxylation of mono- and dicarboxylic acids with the Pb(OAc) <sub>4</sub> -MCl system. <i>Russian Chemical Bulletin</i> , <b>2004</b> , 53, 2200-2204	1.7	1
44	Structure of methane complexes according to the data of experimental and theoretical investigations. <i>Russian Chemical Reviews</i> , <b>2003</b> , 72, 257-278	6.8	13
43	Solid-phase reactions of alkanedicarboxylic acids with the Pb(OAc) <sub>4</sub> -H <sub>4</sub> Cl system. <i>Mendeleev Communications</i> , <b>2003</b> , 13, 264-265	1.9	4
42	Oxoalkylation of Pyrazine by 1-Methylcycloalkanols Upon Mechanical Activation. <i>Chemistry of Heterocyclic Compounds</i> , <b>2002</b> , 38, 494-495	1.4	1

41	Mechanically Activated Mixtures of Calcium Chloride with Sodium Diketones. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2001</b> , 27, 767-770	1.6	2
40	Oxidation of aliphatic alcohols with the lead tetraacetate-metal halide system under mechanical activation. <i>Russian Chemical Bulletin</i> , <b>2000</b> , 49, 1842-1845	1.7	4
39	Structural and dynamic properties of tetrahydroborate complexes. <i>Russian Chemical Reviews</i> , <b>2000</b> , 69, 727-746	6.8	64
38	Solid-state mechanochemical synthesis of ferrocene. <i>Journal of Organometallic Chemistry</i> , <b>1999</b> , 590, 222-226	2.3	33
37	Interaction of ferrocenecarbaldehyde with zinc tetrahydroborate and its derivatives. <i>Russian Chemical Bulletin</i> , <b>1999</b> , 48, 212-214	1.7	0
36	Oxidation of 1-alkylcycloalkanols with PbIV and MnIII compounds under mechanical activation. <i>Russian Chemical Bulletin</i> , <b>1999</b> , 48, 2080-2082	1.7	9
35	Synthesis and reactivity of metal-containing monomers. <i>Russian Chemical Bulletin</i> , <b>1999</b> , 48, 1174-1177	1.7	9
34	solid-state reaction of a lead tetraacetate-metal halide system with naphthalene under mechanical activation. <i>Russian Chemical Bulletin</i> , <b>1998</b> , 47, 1353-1355	1.7	
33	The solid-state diastereoselective formation of oxazolidines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1997</b> , 2425-2428		25
32	Synthesis and antitumor activity of vitamin B1 derivatives containing ferrocene fragment. <i>Pharmaceutical Chemistry Journal</i> , <b>1996</b> , 30, 79-81	0.9	4
31	Self-propagating synthesis of chromium acetylacetonate. <i>Russian Chemical Bulletin</i> , <b>1995</b> , 44, 1111-1113	1.7	2
30	Interaction of buckminsterfullerene with complex hydrides. <i>Synthetic Metals</i> , <b>1995</b> , 70, 1461-1462	3.6	1
29	Structure of $\{[(\eta^5\text{-C}_5\text{H}_5)_2\text{Zr}(\mu\text{-P}(\text{C}_6\text{H}_5))]_2\}[\text{(THF)}_3\text{Li}]_2(\mu\text{-Cl})$ and Its Implications for the Nature of Dilithium Dinitrogen Complex. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 12176-12180	16.4	18
28	Solid-state mechanochemical synthesis of tris(4-imino-2-pentanonato)chromium, $\text{Cr}[\text{CH}_3\text{C}(\text{NH})\text{CH}(\text{O})\text{CH}_3]_3$ . <i>Russian Chemical Bulletin</i> , <b>1994</b> , 43, 2107-2109	1.7	7
27	The synthesis and biological activity of hydroxythiamine platinate (IV). <i>Pharmaceutical Chemistry Journal</i> , <b>1994</b> , 28, 724-727	0.9	1
26	Solid-state mechanochemical synthesis of cobalt(III), iron(III), and chromium(III) bisdicarbollyl complexes. <i>Russian Chemical Bulletin</i> , <b>1993</b> , 42, 1637-1639	1.7	7
25	Preparation of calcium cyclopentadienyl complexes using calcium borohydride. <i>Russian Chemical Bulletin</i> , <b>1993</b> , 42, 339-340	1.7	2
24	On the reaction of buckminsterfullerene with tetrabutylammonium tetrahydridoborate. <i>Russian Chemical Bulletin</i> , <b>1993</b> , 42, 772-773	1.7	1

23	Anionic zirconium and hafnium borohydride complexes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1990</b> , 39, 1081-1087		2
22	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> , <b>1989</b> , 38, 377-382		3
21	Photo- and chemiluminescence of $\text{NaLn}(\text{BH}_4)_5 \cdot \text{DME}$ complexes upon reaction with $\text{O}_2$ in solution. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1989</b> , 38, 434-435		3
20	Reactions of Transition Metal Polyhydride Complexes with Hydrocarbons. <i>Russian Chemical Reviews</i> , <b>1988</b> , 57, 1162-1174	6.8	2
19	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> , <b>1987</b> , 36, 928-930		2
18	Synthesis and molecular structure of <i>o</i> -isopropylchloro-formiminodiphenylphosphinate. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1987</b> , 36, 2410-2412		
17	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> , <b>1987</b> , 36, 1582-1586		10
16	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> , <b>1986</b> , 27, 161-164	0.9	2
15	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> , <b>1985</b> , 34, 1731-1736		4
14	Crystal and molecular structure of (tetrahydridoborato)bis(diphenylbutylphosphine)copper(I). <i>Journal of Structural Chemistry</i> , <b>1984</b> , 25, 496-498	0.9	3
13	$\text{Mo}(\text{CO})_6$ and molybdenum complexes as initiators of the interaction of 1,1,1,3-tetrachloropropane with unsaturated compounds. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1983</b> , 32, 539-542		
12	Photochemical interaction of phosphine hydride complexes of molybdenum and tungsten with carbon monoxide. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1983</b> , 32, 1163-1167		
11	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> , <b>1983</b> , 32, 858-861		1
10	Additive character of shift of $\text{W}4f$ line in X-ray photoelectronic spectra of phosphine complexes of tungsten. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1981</b> , 30, 1322-1323		
9	Effect of nitrogen pressure and nature of phosphine ligand on photochemical reaction of phosphine hydride complexes of tungsten with molecular nitrogen. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1981</b> , 30, 699-702		
8	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> , <b>1981</b> , 30, 947-952		1
7	Low-frequency vibrational spectrum of a complex of molecular nitrogen, rhenium(I) chloro(dinitrido)tetrakis(dimethylphenylphosphine). <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1981</b> , 30, 1789-1790		
6	X-ray structural study of tetrahydro-tetrakis (diphenylethylphosphino) tungsten. <i>Journal of Structural Chemistry</i> , <b>1980</b> , 20, 812-813	0.9	2

- 5 Crystal and molecular structure of tetrahydridotetrakis (Tri-iso-propylphosphito) tungsten. *Journal of Structural Chemistry*, **1980**, 21, 100-104 0.9 2
- 4 X-ray photoelectron spectra of polyhydrido complexes of tungsten and molybdenum. *Journal of Organometallic Chemistry*, **1979**, 164, 47-50 2.3 11
- 3 Carbonylation of phosphine hydride complexes of tungsten under the action of CO<sub>2</sub>. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1979**, 28, 1779-1779
- 2 Fixation and reduction of molecular nitrogen during irradiation of phosphine hydride complexes of tungsten and molybdenum. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1979**, 28, 2406-2407
- 1 Synthesis and properties of vanadium borohydride complex NaV(BH<sub>4</sub>)<sub>4</sub>BDME. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1978**, 27, 2520-2521 2