

Varvara V Avdeeva

List of Publications by Year in descending order

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1,779
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279487

23
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31
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110
all docs

110
docs citations

110
times ranked

404
citing authors

#	ARTICLE	IF	CITATIONS
19	New approach to prepare the highly pure ceramic precursor for the sapphire synthesis. <i>Ceramics International</i> , 2020, 46, 28961-28968.	2.3	26
20	Synthesis and structure of disubstituted closo-decaborate anion derivatives $\text{Ph}_4\text{P}(2,6\text{-B}_{10}\text{H}_8\text{O}_2\text{CCH}_3)$ and $1,2\text{-B}_{10}\text{H}_8\text{Phen}$ with bifunctional O, N- and N, N-substituents. <i>Doklady Chemistry</i> , 2013, 452, 240-244.	0.2	25
21	Boron Cluster Anions $[\text{B}_n\text{H}_n]^{2-}$ ($n = 10, 12$) in Reactions of Iron(II) and Iron(III) Complexation with 2, 2'-bipyridyl and 1, 10-phenanthroline. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 2149-2160.	0.6	25
22	$[\text{Co}(\text{solv})_6][\text{B}_{10}\text{H}_{10}]$ (solv = DMF and DMSO) for low-temperature synthesis of borides. <i>Russian Journal of Inorganic Chemistry</i> , 2016, 61, 1125-1134.	0.3	25
23	Decachloro-closo-decaborate anion in copper(II) complexation reactions with N-donor ligands: ^{35}Cl NQR and X-ray studies. <i>Polyhedron</i> , 2017, 127, 238-247.	1.0	25
24	Isomerism in Salts and Complexes with Boron Cluster Anions $[\text{B}_{10}\text{H}_{10}]^{2-}$ and $[\text{B}_{20}\text{H}_{18}]^{2-}$. <i>Russian Journal of Inorganic Chemistry</i> , 2020, 65, 335-358.	0.3	25
25	Crystal structures, luminescence, and DFT study of mixed-ligand Zn(II) and Cd(II) complexes with phenyl-containing benzimidazole derivatives with linker C N or N N group. <i>Journal of Luminescence</i> , 2021, 237, 118156.	1.5	25
26	Nickel(II) complexes with boron cluster anions $[\text{B}_n\text{H}_n]^{2-}$ ($n = 10, 12$) and azaheterocyclic ligands L (L) $\text{Tj ETQq0 0 0 rgBT/Overlock}$	0.3	22
27	Solvent-Induced Encapsulation of Cobalt(II) Ion by a Boron-Capped tris-Pyrazoloximate. <i>Inorganic Chemistry</i> , 2020, 59, 5845-5853.	1.9	22
28	Cobalt(II) and nickel(II) complexes with 1-methyl-2-pyridin-2-yl-1H- and 1-methyl-2-phenyliminomethyl-1H-benzimidazoles and the closo-decaborate anion. <i>Russian Journal of Inorganic Chemistry</i> , 2015, 60, 817-822.	0.3	21
29	Dihydrogen Bonds in Salts of Boron Cluster Anions $[\text{B}_n\text{H}_n]^{2-}$ with Protonated Heterocyclic Organic Bases. <i>Crystals</i> , 2019, 9, 330.	1.0	21
30	Tetranuclear hydroxo-bridged copper(II) cluster of the Z type: Preparation and structural and		

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37	Copper(I) coordination compounds with closo-dodecaborate anion. Russian Journal of Inorganic Chemistry, 2006, 51, 1723-1727.	0.3	17
38	Synthesis and structure of [NiL ₆][B ₁₀ H ₁₀] (L = DMF or DMSO) as precursors for solid-phase synthesis of nickel(II) coordination compounds. Inorganica Chimica Acta, 2016, 451, 129-134.	1.2	17
39	Synthesis and Structure of Mononuclear Copper(II) Complexes with Azaheterocyclic Ligands L (L =) Tj ETQq1 1 0.784314 rgBT /Overlo Inorganic Chemistry, 2019, 64, 1210-1219.	0.3	17
40	Crystal structure of (1/4 5-decahydro-closo-decaborato) (1/4 2-O-dimethylformamide)disilver(I) [Ag ₂ (B ₁₀ H ₁₀)(DMF)]. Crystallography Reports, 2008, 53, 253-256.	0.1	16
41	Behavior of dodecahydro-closo-dodecaborate anion B ₁₂ H ₁₂ 2â ⁻ in reaction with Au(Ph ₃ P)Cl. Russian Journal of Inorganic Chemistry, 2011, 56, 524-529.	0.3	16
42	[2,6(9)-B ₁₀ H ₈ (O)2CCH ₃ â ⁻ and [2,7(8)-B ₁₀ H ₈ (OC(O)CH ₃) ₂ 2â ⁻ derivatives in synthesis of position isomers of the [B ₁₀ H ₈ (OC(O)CH ₃)(OH)] ₂ â ⁻ anion with the 2,6(9)- and 2,7(8)-arrangement of functional groups. Russian Journal of Inorganic Chemistry, 2014, 59, 1247-1258.	0.3	16
43	Structural Diversity of Dimer Clusters Based on the Octadecahydro-Eicosaborate Anion. Journal of Structural Chemistry, 2019, 60, 692-712.	0.3	16
44	Synthesis, structure, and physicochemical properties of triply-bridged binuclear copper(II) complex [Cu ₂ Phen ₂ (A _μ -CH ₃ CO ₂) ₂ (A _μ -OH)] ₂ [B ₁₀ Cl ₁₀]. Inorganica Chimica Acta, 2019, 487, 208-213.	1.2	16
45	New type of RNA virus replication inhibitor based on decahydro-closo-decaborate anion containing amino acid ester pendant group. Journal of Biological Inorganic Chemistry, 2022, 27, 421-429.	1.1	16
46	The isomorphous substitution of 2H ⁺ for the Cu ²⁺ cation in the complex of bis(aminoguanidine)copper(II): Crystal structures of (Cu _{0.61} H _{0.78} Ag _{0.2})B ₁₂ H ₁₂ and (HAg _{0.2})B ₁₂ H ₁₂ . Crystallography Reports, 2009, 54, 831-836.	0.1	15
47	Mixed-ligand polymeric and binuclear silver(I) complexes with the dodecahydro-closo-dodecaborate anion and bipyridylamine. Polyhedron, 2016, 109, 19-25.	1.0	15
48	Positional isomers of mononuclear silver(I) anionic complex [Ag(Ph ₃ P) ₂ [B ₁₀ H ₁₀ â ⁻ Cl]]â ⁻ (x = 0 or 1) with apically and equatorially coordinated decahydrido-closo-decaborate and 2-chlorononahydrido-closo-decaborate ligands. Polyhedron, 2017, 123, 396-403.	1.0	15
49	Ligand metathesis in copper(I) complex [Cu ₂ (CH ₃ CN) ₄ [B ₁₀ H ₁₀]] to form [Cu ₂ L ₄ [B ₁₀ H ₁₀]] (Lâ ⁻ = â ⁻ Ph ₃ P,) Tj ETQq1 1 0.784314 rgBT /Overlo 1.0 15	1.0	15
50	Synthesis and Thermal Reduction of Complexes [NiL _n][B ₁₀ H ₁₀] (L = DMF, H ₂ O, n = 6; L = N ₂ H ₄ , n = 3): Formation of Solid Solutions Ni ₃ C ₁ â ⁻ xD ⁰ x. Russian Journal of Inorganic Chemistry, 2020, 65, 126-132.	0.3	15
51	Synthesis and structures of compounds [ML ₆][B ₁₀ Cl ₁₀] (M = Co, Ni; L = CH ₃ CN, DMF, DMSO) as precursors for synthesis of cobalt(II) and nickel(II) complexes with organic L ligands. Journal of Solid State Chemistry, 2021, 296, 121989.	1.4	15
52	Features of the formation of zinc(II) and cadmium(II) complexes with the inner-sphere and outer-sphere position of the decahydro-closo-decaborate anion in the presence of azaheterocyclic ligands. Inorganica Chimica Acta, 2021, 520, 120315.	1.2	15
53	Reactions of the closo-dodecaborate anion B ₁₂ H ₁₂ 2â ⁻ with hydrogen halides in dichloroethane. Russian Journal of Inorganic Chemistry, 2007, 52, 52-57.	0.3	14
54	Redox processes in the Cu/(phen)/[B ₁₂ H ₁₂ 2â ⁻]/sol system: Selective preparation of copper(I), copper(II), and heterovalent copper(I/II) compounds. Inorganica Chimica Acta, 2018, 477, 284-291.	1.2	14

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55	Reaction of the closo-decaborate anion $B_{10}H_{10}^{2-}$ with dichloroethane in the presence of hydrogen halides. Russian Journal of Inorganic Chemistry, 2007, 52, 996-1001.	0.3	13
56	New positional isomer of the $[Ag_2(Ph_3P)_4B_{10}H_{10}]$ complex: Coordination of the closo-decaborate anion through the 1 and 5 (3) edges. Doklady Chemistry, 2011, 437, 63-65.	0.2	13
57	Theoretical study of H ₂ elimination from $[B_n H_{n+1}]^-$ monoanions (n = 6, 9, 11). Russian Journal of Inorganic Chemistry, 2014, 59, 1268-1275.	0.3	13
58	A New Method for Synthesis of Binary Borides with Desired Properties. Doklady Chemistry, 2019, 487, 180-183.	0.2	13
59	Metal-Promoted Exopolyhedral Substitution of Terminal Hydrogen Atoms in the Closo-Decaborate Anion $[B_{10}H_{10}]^{2-}$ in the Presence of Copper(II): Formation of the Substituted Derivative $[2-B_{10}H_9OH]^{2-}$. Journal of Cluster Science, 2021, 32, 755-763.	1.7	13
60	Complexes of gold clusters with the closo-borate anions $B_{10}H_{10}^{2-}$ and $B_{12}H_{12}^{2-}$. Doklady Chemistry, 2007, 414, 137-139.	0.2	12
61	Theoretical study of dodecahydro-closo-decaborane $B_{10}H_{12}$, the diprotonated boron cluster $B_{10}H_{10}^{2+}$. Russian Journal of Inorganic Chemistry, 2013, 58, 793-799.	0.3	12
62	Synthesis and Structure of $[D_6(DMF)_6][B_{10}H_{10}]$ (M = Zn(II), Cd(II)) as Precursors for Solid-Phase Synthesis of Trischelate Complexes $[D_6(L)_3][B_{10}H_{10}]$. Russian Journal of Inorganic Chemistry, 2018, 63, 1552-1557.	0.3	12
63	Boron Cluster Anions $[B_{10}X_{10}]^{2-}$ (X = H, Cl) in Manganese(II) Complexation with 2,2'-Bipyridyl. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2019, 45, 295-300.	0.3	12
64	Formation of oxidopolyborates in destruction of the $[B_{11}H_{14}]^-$ anion promoted by transition metals. Inorganica Chimica Acta, 2020, 509, 119693.	1.2	12
65	Synthesis, Structures, and Properties of Zinc(II) and Cadmium(II) Complexes with Boron Cluster Anions $[M(solvent)_6][B_nH_n]$ (M = Zn(II), Cd(II); solvent = DMF, DMSO; n = 10, 12). Russian Journal of Inorganic Chemistry, 2020, 65, 846-853.	0.3	12
66	Synthesis and structures of mono- and binuclear silver(I) complexes with triphenylphosphine and the dodecahydro-closo-dodecaborate anion. Polyhedron, 2020, 184, 114566.	1.0	12
67	Reactivity of the dodecahydro-closo-dodecaborate anion in zinc(II) and cadmium(II) complexation at the presence of azaheterocyclic ligands. Inorganica Chimica Acta, 2021, 527, 120587.	1.2	12
68	Interactions of sodium liquid glass with triethylammonium decahydro-closo-decaborate $(Et_3NH)_2B_{10}H_{10}$. Russian Journal of Inorganic Chemistry, 2014, 59, 107-110.	0.3	11
69	Theoretical study of molecular hydrogen elimination from the undeca-hydrodecaborate monoanion $[B_{10}H_{11}]^-$. Exopolyhedral substitution intermediates: $[B_{10}H_9]^-$ monoanion and neutral $[B_{10}H_{10}]$ cluster. Russian Journal of Inorganic Chemistry, 2014, 59, 706-712.	0.3	11
70	Identification of B-H...C Specific Interactions Observed in Complexes $[M(solvent)_6][B_{10}H_{10}]$ (M = Co, Ni) by Spectral Analytical Methods. Russian Journal of Inorganic Chemistry, 2018, 63, 1050-1055.	0.3	11
71	Mixed-ligand polymeric and binuclear silver(I) complexes with the decahydro-closo-decaborate anion and azaheterocyclic ligands L (L = bipy, phen, bpa). Inorganica Chimica Acta, 2019, 493, 38-42.	1.2	11
72	Salts and Complexes Containing the Decachloro-closo-Decaborate Anion. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2021, 47, 519-545.	0.3	11

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73	Complex Compounds of Iron(II) with 2,2'-Bipyridylamine and Boron Cluster Anions $[B_nH_n]^{2-}$ ($n = 10, 11$). Russian Journal of Inorganic Chemistry, 2007, 52, 854-858.	1.0784314	11
74	Synthesis and structure of the cadmium(II) complex $[Cd_2(Ph(NH_2)_2)_5(DMFA)_4(B_{10}H_{10})_2]$. Russian Journal of Inorganic Chemistry, 2007, 52, 854-858.	0.3	10
75	Secondary interactions as defined by ^{35}Cl NQR spectra in cesium decachloro-closo-decaborates prepared in non-aqueous solutions. Polyhedron, 2017, 138, 140-144.	1.0	10
76	Iron(II) Complexes with Boron Cluster Anion $[B_{10}Cl_{10}]^{2-}$: Intermolecular Interactions according to ^{35}Cl NQR Spectroscopy and X-ray Diffraction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1939-1947.	0.6	10
77	A new method for the synthesis of metal complexes with trans- $[B_{20}H_{18}]^{2-}$ dianion. Doklady Chemistry, 2017, 474, 141-143.	0.2	10
78	Structures, magnetic properties, and EPR studies of tetranuclear copper(II) complexes $[Cu_4(OH)_4L_4]^{4+}$ ($L = \text{Abpa, bipy}$) stabilized by anions containing decahydro-closo-decaborate anion. Polyhedron, 2020, 183, 114540.	1.0	10
79	Solvent Molecules as Ligands in Coordination Compounds of Metals with Boron Cluster Anions and Their Derivatives (A Review). Russian Journal of General Chemistry, 2022, 92, 393-417.	0.3	10
80	Interaction of closo-decaborate anion $B_{10}H_{10}^{2-}$ with iminium salts. Russian Journal of Inorganic Chemistry, 2006, 51, 1552-1560.	0.3	9
81	Boron cluster anions $B_{10}H_{10}^{2-}$ and $B_{10}H_{11}^{-}$ in complexation reactions of copper(I). Positional isomers of the complex $[Cu_2(9Nphen)_4B_{10}H_{10}]$. Russian Chemical Bulletin, 2011, 60, 1608-1611.	0.4	9
82	Thermal and thermo-oxidative properties of the decahydro-closo-decaborate anion $B_{10}H_{10}^{2-}$ in a silicate matrix. Inorganic Materials, 2015, 51, 736-740.	0.2	9
83	Features of Formation of Mononuclear and Binuclear Copper(II) Complexes with 2,2'-Bipyridyl and closo-Decaborate Anion. Russian Journal of Inorganic Chemistry, 2020, 65, 1343-1350.	0.3	9
84	Synthesis and structure of the polymeric complex $[Ag_2(Ph_3P)_2B_{10}H_{10}]_n$. Russian Journal of Inorganic Chemistry, 2010, 55, 34-39.	0.3	8
85	The undecahydrodecaborate anion $B_{10}H_{11}^{-}$ as the starting reagent in exopolyhedral substitution and complexation: Theoretical and experimental prerequisites. Russian Journal of Inorganic Chemistry, 2012, 57, 331-336.	0.3	8
86	Thermal oxidation of the decahydro-closo-decaborate anion $B_{10}H_{10}^{2-}$ in a silicate matrix. Inorganic Materials, 2015, 51, 498-502.	0.2	8
87	New coordination polymers of silver(I) based on dodecahydro-closo-dodecaborate anion: Synthesis and structure. Doklady Chemistry, 2017, 475, 164-167.	0.2	8
88	Iron(II), cobalt(II), and nickel(II) complexes with 1,10-phenanthroline and 2,2'-bipyridyl and the macropolyhedral borane cluster $[trans-B_{20}H_{18}]^{2-}$ as counterion. Polyhedron, 2022, 217, 115740.	1.0	8
89	New binuclear copper(II) complexes $[Cu_2(L)_4(\frac{1}{4}CO_3)] [B_{12}H_{12}]$ ($L = \text{bipy, phen}$): Synthesis, structure, and magnetic properties. Doklady Chemistry, 2017, 474, 137-140.	0.2	7
90	Thermal and thermomechanical properties of trialkylammonium dodecahydro-closo-dodecaborates $(R_3NH)_2[B_{12}H_{12}]$ ($R = \text{Et, } \text{Pr}^i$). Russian Journal of Inorganic Chemistry, 2017, 62, 84-89.	0.3	7

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91	Theoretical study of protonation of the $B_{12}H_{12}^{2-}$ anion and subsequent hydrogen loss from the $B_{12}H_{13}^{-}$: Effect of the medium. Computational and Theoretical Chemistry, 2014, 1042, 16-22.	1.1	6
92	Isomerization $[trans-B_{20}H_{18}]^{2-}$ \leftrightarrow $[iso-B_{20}H_{18}]^{2-}$ during silver(I) complexation with triphenylphosphine. Doklady Chemistry, 2015, 465, 291-294.	0.2	6
93	Solid-phase synthesis of protonated nitrogen-containing heterocyclic compounds with the boron cluster anions starting from $[Eu(H_2O)_9]_2[B_{10}Cl_{10}]_3$: Synthesis, structure, and thermal properties of $(\text{D}_L)_2[B_{10}Cl_{10}]$ (L = 7-amino-4-methylcoumarin or 1-ethyl-2-(4-methoxyphenyl) azobenzimidazole). Journal of Solid State Chemistry, 2021, 302, 122413.	1.4	6
94	Synthesis and crystal structure of Poly(tetraphenylphosphonium $(1/2-closo-dodecaborato)copper(I)$). Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, .	0.4	5
95	Chemical Processes in Systems $Cu(I)/L/[B_{12}H_{12}]^{2-}/solv$ (L = bipy, phen; solv = CH ₃ CN, DMF, and) Tj ETQq1 1.0, 784314 rgBT /Ov	0.3	5
96	Gold(III) Complexation in the Presence of the Macropolyhedral Hydridoborate Cluster $[B_{20}H_{18}]^{2-}$. Inorganics, 2022, 10, 99.	1.2	5
97	Reaction of closo-dodecaborate anion $B_{12}H_{12}^{2-}$ with iminium salts. Russian Journal of Inorganic Chemistry, 2006, 51, 1716-1722.	0.3	4
98	Boron cluster anions $[B_n H_n]^{2-}$ (n = 10, 12) in the formation of binuclear iron(II) complexes with bridging CO ₃ group and azaheterocyclic ligands L (L = Bipy, Phen). Doklady Chemistry, 2015, 461, 96-99.	0.2	4
99	Theoretical study of exopolyhedral substitution in the hexahydro-closo-hexaborate anion. Russian Journal of Inorganic Chemistry, 2015, 60, 1110-1116.	0.3	4
100	Formation of Nanoscale Sodium Dodecahydro-closo-Dodecaborate $Na_2[B_{12}H_{12}]$ on the Surface of a Silicate Matrix. Doklady Chemistry, 2019, 484, 1-4.	0.2	4
101	Polymeric anionic silver(I) complexes $\{Cat[Ag[B_{10}H_{10}]]\}$ (Cat = Pr_4N^+ , Ph_4P^+ , Ph_4As^+) with facial and edge-facial coordination of the boron cluster. Polyhedron, 2022, 223, 115932.	1.0	4
102	Isomerism of metal complexes with the boron cluster anions $B_{10}H_{10}^{2-}$ and $B_{12}H_{12}^{2-}$. Russian Journal of Inorganic Chemistry, 2009, 54, 1947-1951.	0.3	3
103	Protonation of the Dodecahydro-closo-Dodecaborate Anion in CH ₃ CN/CF ₃ COOH. Russian Journal of Inorganic Chemistry, 2018, 63, 700-707.	0.3	3
104	Thermomechanical properties of compositions based on polysilicates modified with boron cluster anions or SiO ₂ nanoparticles. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2020, 59, 201-208.	0.9	3
105	Boron Cluster Anion $[B_{12}H_{12}]^{2-}$ in Zinc(II) and Cadmium(II) Complexation at the Presence of N-Donor Heterocyclic Ligands. Journal of Cluster Science, 2023, 34, 933-942.	1.7	3
106	Radical indicator reaction for determination of 1,1-dimethylhydrazine. Talanta, 2019, 195, 599-603.	2.9	2
107	Polycondensation of Water Glass Sodium Silicates in the Presence of $[B_n X_n]^{2-}$ (n = 10, 12; X = H, Cl) Boron Cluster Anions. Inorganic Materials, 2020, 56, 657-661.	0.2	2
108	Chemical stability of 1-substituted 2-aldimine- and 2-azobenzimidazoles under copper-promoted autoxidation. Inorganica Chimica Acta, 2022, 539, 121038.	1.2	2

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109	The QTAIM approach to multicentred (CuHB) bonding: charge-density study of [Cu ₂ (bipy) ₂ B ₁₀ H ₁₀]. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s590-s591.	0.3	0