

Nikolai T Kuznetsov

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.

245
papers

3,248
citations

26
h-index

39
g-index

256
ext. papers

3,824
ext. citations

2.2
avg, IF

5.43
L-index

#	Paper	IF	Citations
245	Microextrusion printing of gas-sensitive planar anisotropic NiO nanostructures and their surface modification in an H ₂ S atmosphere. <i>Applied Surface Science</i> , 2022 , 578, 151984	6.7	4
244	New type of RNA virus replication inhibitor based on decahydro-closo-decaborate anion containing amino acid ester pendant group.. <i>Journal of Biological Inorganic Chemistry</i> , 2022 , 1	3.7	1
243	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. <i>Polyhedron</i> , 2022 , 217, 115740	2.7	0
242	Gas-sensitive nanostructured ZnO films praseodymium and europium doped: Electrical conductivity, selectivity, influence of UV irradiation and humidity. <i>Applied Surface Science</i> , 2022 , 589, 152974	6.7	5
241	Protonation of Borylated Carboxonium Derivative [2,6-BHOCCH]: Theoretical and Experimental Investigation.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	2
240	Polymeric anionic silver(I) complexes {Cat[Ag[B ₁₀ H ₁₀]]} (Cat=[Pr ₄ N ⁺ , Ph ₄ P ⁺ , Ph ₄ As ⁺) with facial and edge-facial coordination of the boron cluster. <i>Polyhedron</i> , 2022 , 223, 115932	2.7	0
239	Chemical stability of 1-substituted 2-aldimine- and 2-azobenzimidazoles under copper-promoted autoxidation. <i>Inorganica Chimica Acta</i> , 2022 , 539, 121038	2.7	0
238	B-F bonding and reactivity analysis of mono- and perfluoro-substituted derivatives of closo-borate anions (6, 10, 12): a computational study. <i>Polyhedron</i> , 2021 , 115559	2.7	3
237	Theoretical Study of closo-Borate Anions [B _n H _n] ²⁻ (n = 5–12): Bonding, Atomic Charges, and Reactivity Analysis. <i>Symmetry</i> , 2021 , 13, 464	2.7	9
236	Nucleophilic addition of amino acid esters to nitrilium derivatives of closo-decaborate anion. <i>Mendeleev Communications</i> , 2021 , 31, 201-203	1.9	8
235	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. <i>Journal of Solid State Chemistry</i> , 2021 , 296, 121989	3.3	6
234	Synthesis of Perchlorinated Sulfonium Derivatives of -Decaborate Anion [2-BClSR] (R = -CH ₃ , -CH ₂ , -CH ₂ , -CH ₂ , -CH ₂ , CHPh, and -S(CH ₃)). <i>Inorganic Chemistry</i> , 2021 , 60, 8592-8604	5.1	8
233	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. <i>Inorganica Chimica Acta</i> , 2021 , 520, 120315	2.7	6
232	Microstructure and local electrophysical properties of sol-gel derived (In ₂ O ₃ -10%SnO ₂)/V ₂ O ₅ films. <i>Colloids and Interface Science Communications</i> , 2021 , 43, 100452	5.4	1
231	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 ₉ OH] ²⁻ <i>Journal of Cluster Science</i> , 2021 , 32, 755-763	3	3
230	Pen plotter printing of ITO thin film as a highly CO sensitive component of a resistive gas sensor. <i>Talanta</i> , 2021 , 221, 121455	6.2	19
229	Zinc(II) and cadmium(II) complexes with the decahydro-closo-decaborate anion and phenyl-containing benzimidazole derivatives with linker NN or CN group. <i>Polyhedron</i> , 2021 , 194, 114902	2.7	8

228	Oxidation of HfB ₂ -SiC-Ta ₄ HfC ₅ ceramic material by a supersonic flow of dissociated air. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 1088-1098	6	4
227	Chemoresistive gas-sensing properties of highly dispersed Nb ₂ O ₅ obtained by programmable precipitation. <i>Journal of Alloys and Compounds</i> , 2021 , 868, 159090	5.7	6
226	Chemoresistive gas-sensitive ZnO/Pt nanocomposites films applied by microplotter printing with increased sensitivity to benzene and hydrogen. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 271, 115233	3.1	11
225	Oxidation of graphene-modified HfB ₂ -SiC ceramics by supersonic dissociated air flow. <i>Journal of the European Ceramic Society</i> , 2021 , 42, 30-30	6	0
224	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	3.8	3
223	Solid-phase synthesis of protonated nitrogen-containing heterocyclic compounds with the boron cluster anions starting from [Eu(H ₂ O) ₉] ₂ [B ₁₀ Cl ₁₀] ₃ : Synthesis, structure, and thermal properties of (H) ₂ [B ₁₀ Cl ₁₀] (L = 7-amino-4-methylcoumarin or 1-ethyl-2-(4-methoxyphenyl)	3.3	2
222	Synthesis, structures, DFT calculations, and Hirshfeld surface analysis of sulfonium derivatives of the closo-decaborate anion [B ₁₀ X ₉ -cyclo-S(CH ₂) ₄] ⁻ and [B ₁₀ X ₉ -cyclo-S(CH ₂ CH ₂) ₂ O] ⁻ (X = H, Cl, Br). <i>Journal of Molecular Structure</i> , 2021 , 1241, 130591	3.4	8
221	Reactivity of the dodecahydro-closo-dodecaborate anion in zinc(II) and cadmium(II) complexation at the presence of azaheterocyclic ligands. <i>Inorganica Chimica Acta</i> , 2021 , 527, 120587	2.7	3
220	Fused 1,2-Diboraoxazoles Based on -Decaborate Anion-Novel Members of Diboroheterocycle Class. <i>Molecules</i> , 2021 , 26,	4.8	12
219	Primary Amine Nucleophilic Addition to Nitrilium -Dodecaborate [BHNCCH]: A Simple and Effective Route to the New BNCT Drug Design.. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
218	Silver(I) and Copper(I) Complexation with Decachloro-Closo-Decaborate Anion. <i>Crystals</i> , 2020 , 10, 389	2.3	8
217	Theoretical study of monocarbonyl derivatives of closo-borate anions [B _n H _n CO] ⁻ (n = 6, 10, 12): bonding and reactivity analysis. <i>Mendeleev Communications</i> , 2020 , 30, 88-90	1.9	9
216	Solvent-Induced Encapsulation of Cobalt(II) Ion by a Boron-Capped tris-Pyrazoloximate. <i>Inorganic Chemistry</i> , 2020 , 59, 5845-5853	5.1	7
215	Structures, magnetic properties, and EPR studies of tetranuclear copper(II) complexes [Cu ₄ (OH) ₄ L ₄] ⁴⁺ (L = bpa, bipy) stabilized by anions containing decahydro-closo-decaborate anion. <i>Polyhedron</i> , 2020 , 183, 114540	2.7	4
214	Synthesis and structures of mono- and binuclear silver(I) complexes with triphenylphosphine and the dodecahydro-closo-dodecaborate anion. <i>Polyhedron</i> , 2020 , 184, 114566	2.7	5
213	Pen plotter printing of Co ₃ O ₄ thin films: features of the microstructure, optical, electrophysical and gas-sensing properties. <i>Journal of Alloys and Compounds</i> , 2020 , 832, 154957	5.7	20
212	Microstructural, electrophysical and gas-sensing properties of CeO ₂ /ZrO ₂ thin films obtained by the sol-gel process. <i>Ceramics International</i> , 2020 , 46, 121-131	5.1	20
211	The effects of subsonic and supersonic dissociated air flow on the surface of ultra-high-temperature HfB ₂ -30 vol% SiC ceramics obtained using the sol-gel method. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 1093-1102	6	11

210	Theoretical study of closo-borate derivatives of general type $[B_nH_n-1COR]_2$ ($n=6, 10, 12$; $R=H, CH_3, NH_2, OH, OCH_3$) [Borylated analogue of organic carbonyl compounds. <i>Polyhedron</i> , 2020 , 187, 114682	2.7	8
209	Formation of oxidopolyborates in destruction of the $[B_{11}H_{14}]^-$ anion promoted by transition metals. <i>Inorganica Chimica Acta</i> , 2020 , 509, 119693	2.7	5
208	Microplotter-Printed On-Chip Combinatorial Library of Ink-Derived Multiple Metal Oxides as an "Electronic Olfaction" Unit. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 56135-56150	9.5	11
207	Behavior of HfB ₂ B ₀ vol% SiC UHTC obtained by sol-gel approach in the supersonic airflow. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 92, 386-397	2.3	14
206	Ligand metathesis in copper(I) complex $[Cu_2(CH_3CN)_4[B_{10}H_{10}]]$ to form $[Cu_2L_4[B_{10}H_{10}]]$ (L = Ph ₃ P, 5Nphen). <i>Polyhedron</i> , 2019 , 169, 144-150	2.7	10
205	Mixed-ligand polymeric and binuclear silver(I) complexes with the decahydro-closo-decaborate anion and azaheterocyclic ligands L (L = bipy, phen, bpa). <i>Inorganica Chimica Acta</i> , 2019 , 493, 38-42	2.7	8
204	Gas-sensing properties of nanostructured TiO ₂ /ZrO ₂ thin films obtained by the sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 92, 415-426	2.3	11
203	Complexation and exopolyhedral substitution of the terminal hydrogen atoms in the decahydro-closo-decaborate anion in the presence of cobalt(II). <i>Polyhedron</i> , 2019 , 162, 65-70	2.7	16
202	Oxygen detection using nanostructured TiO ₂ thin films obtained by the molecular layering method. <i>Applied Surface Science</i> , 2019 , 463, 197-202	6.7	19
201	Dihydrogen Bonds in Salts of Boron Cluster Anions $[B_nH_n]^-$ with Protonated Heterocyclic Organic Bases. <i>Crystals</i> , 2019 , 9, 330	2.3	5
200	A sol-gel synthesis and gas-sensing properties of finely dispersed ZrTiO ₄ . <i>Materials Chemistry and Physics</i> , 2019 , 225, 347-357	4.4	10
199	Ink-jet printing of a TiO ₂ /10%ZrO ₂ thin film for oxygen detection using a solution of metal alkoxoacetylacetonates. <i>Thin Solid Films</i> , 2019 , 670, 46-53	2.2	21
198	Microstructure, phase composition, and gas-sensing properties of nanostructured ZrO ₂ -xY ₂ O ₃ thin films and powders obtained by the sol-gel method. <i>Ionics</i> , 2019 , 25, 1259-1270	2.7	6
197	Gas-sensing properties of nanostructured CeO ₂ -xZrO ₂ thin films obtained by the sol-gel method. <i>Journal of Alloys and Compounds</i> , 2019 , 773, 1023-1032	5.7	33
196	Sol-gel made titanium dioxide nanostructured thin films as gas-sensing materials for the detection of oxygen. <i>Mendeleev Communications</i> , 2018 , 28, 164-166	1.9	14
195	Mechanism of generation of closo-decaborato amidrazones. Intramolecular non-covalent B \cdots (Ph) interaction determines stabilization of the configuration around the amidrazone CN bond. <i>New Journal of Chemistry</i> , 2018 , 42, 8693-8703	3.6	43
194	Glycol-citrate synthesis of fine-grained oxides La ₂ GdxZr ₂ O ₇ and preparation of corresponding ceramics using FAST/SPS process. <i>Ceramics International</i> , 2018 , 44, 7647-7655	5.1	11
193	Redox processes in the Cu/(phen)/ $[B_{12}H_{12}]^{2-}$ solv system: Selective preparation of copper(I), copper(II), and heterovalent copper(I/II) compounds. <i>Inorganica Chimica Acta</i> , 2018 , 477, 284-291	2.7	10

192	Electrophilicity of aliphatic nitrilium closo-decaborate clusters: Hyperconjugation provides an unexpected inverse reactivity order. <i>Journal of Organometallic Chemistry</i> , 2018 , 870, 97-103	2.3	12
191	Nucleophilic addition of hydrazine and benzophenone hydrazone to 2-acetonitrilium closo-decaborate cluster: Structural and photophysical study. <i>Inorganica Chimica Acta</i> , 2018 , 482, 838-845	2.7	10
190	Structure and magnetic properties of trinuclear copper(II) complex [Cu ₃ (bipy) ₆ (B-CO ₃)] ₂ [B ₁₂ H ₁₂] ₂ ·4.5DMF·2H ₂ O. <i>Inorganica Chimica Acta</i> , 2018 , 479, 249-253	2.7	12
189	Synthesis, vaporization and thermodynamic properties of superfine yttrium aluminum garnet. <i>Journal of Alloys and Compounds</i> , 2018 , 764, 397-405	5.7	5
188	Push-pull alkenes bearing closo-decaborate cluster generated via nucleophilic addition of carbanions to borylated nitrilium salts. <i>Inorganica Chimica Acta</i> , 2018 , 471, 372-376	2.7	13
187	Vaporization and thermodynamic properties of lanthanum hafnate. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 2348-2355	5.7	24
186	closo-Dodecaborate Intercalated Yttrium Hydroxide as a First Example of Boron Cluster Anion-Containing Layered Inorganic Substances. <i>Inorganic Chemistry</i> , 2017 , 56, 3421-3428	5.1	16
185	Preparation of porous SiC-ceramics by sol-gel and spark plasma sintering. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 82, 748-759	2.3	23
184	Effective binding of perhalogenated closo-borates to serum albumins revealed by spectroscopic and ITC studies. <i>Journal of Molecular Structure</i> , 2017 , 1141, 75-80	3.4	10
183	Iron(II) Complexes with Boron Cluster Anion [B ₁₀ Cl ₁₀] ²⁻ Intermolecular Interactions according to 35Cl NQR Spectroscopy and X-ray Diffraction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1939-1947	1.3	7
182	Solid-State Reactions of Eicosaborate [B ₁₀ H ₁₀] ⁻ Salts and Complexes. <i>Chemistry - A European Journal</i> , 2017 , 23, 16819-16828	4.8	19
181	An interaction of the functionalized closo -borates with albumins: The protein fluorescence quenching and calorimetry study. <i>Journal of Luminescence</i> , 2016 , 169, 51-60	3.8	31
180	Influence of the composition of [Ti(OC ₄ H ₉) ₄] _x (O ₂ C ₅ H ₇) _x complexes and hydrolysis conditions on the synthesis of titania by sol-gel technology. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 929-939	1.5	12
179	How xerogel carbonization conditions affect the reactivity of highly disperse SiO ₂ composites in the sol-gel synthesis of nanocrystalline silicon carbide. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 1347-1360	1.5	8
178	Behavior of HfB ₂ -SiC (10, 15, and 20 vol %) ceramic materials in high-enthalpy air flows. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 1203-1218	1.5	23
177	Theoretical study of the redox reactivity of complex boron hydrides K ₂ [B ₁₂ H ₁₂], Cs ₂ [B ₁₂ H ₁₂], and Ti ₂ [B ₁₀ H ₁₀] and their mixed salts K ₂ [B ₁₂ H ₁₂][KCl], Cs ₂ [B ₁₂ H ₁₂][CsCl], and Ti ₂ [B ₁₀ H ₁₀][KNO ₃]. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 979-984	1.5	
176	Theoretical study of the structure and water affinity of [M(18C6)(HFA) ₂] complexes for M = Zn, Cu, Hg, Co, Ni, and Pt. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 846-857	1.5	1
175	Tin trifluoroacetylacetonate [Sn(C ₅ H ₄ O ₂ F ₃) ₂] as a precursor of tin dioxide in APCVD process. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 545-553	1.5	2

- 174 Preparation of nanostructured thin films of yttrium aluminum garnet (Y₃Al₅O₁₂) by Sol-gel technology. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 667-673 1.5 13
- 173 Theoretical study of protonation of the B₁₀H₁₀²⁻ anion and subsequent hydrogen removal due to substitution reaction in acidic medium. *Computational and Theoretical Chemistry*, **2016**, 1075, 77-81 2 5
- 172 Isomerism in complexes with the decahydro-closo-decaborate anion. *Polyhedron*, **2016**, 105, 205-221 2.7 22
- 171 Silver and Copper Complexes with closo-Polyhedral Borane, Carborane and Metallocarborane Anions: Synthesis and X-ray Structure. *Crystals*, **2016**, 6, 60 2.3 57
- 170 Systematical analysis of chemical methods in metal nanoparticles synthesis. *Theoretical Foundations of Chemical Engineering*, **2016**, 50, 59-66 0.9 62
- 169 Secondary interactions in decachloro-closo-decaborates R₂[B₁₀Cl₁₀] (R = Et₃NH⁺, Ph₄P⁺, and [Ag(NH₃)₂]⁺): 35Cl NQR, PW-DFT, and X-ray studies. *Inorganica Chimica Acta*, **2016**, 447, 22-31 2.7 23
- 168 Nickel(II) and Iron(II) coordination compounds with octahydrotriborate(1-) anion [ML₃]{B₃H₈}₂ (M = Fe²⁺, Ni²⁺; L = bipy, phen). *Doklady Chemistry*, **2016**, 467, 64-68 0.8
- 167 Nickel(II) complexes with boron cluster anions [B_nH_n]²⁻ (n = 10, 12) and azaheterocyclic ligands L (L = Bipy, Phen, BPA, and DAB). *Russian Journal of Inorganic Chemistry*, **2016**, 61, 302-313 1.5 17
- 166 Secondary interactions in decachloro-closo-decaborates of alkali metals M₂[B₁₀Cl₁₀] (M = K⁺ and Cs⁺): 35Cl NQR and X-ray studies. *Polyhedron*, **2016**, 117, 561-568 2.7 15
- 165 Nucleophilicity of Oximes Based upon Addition to a Nitrilium closo-Decaborate Cluster. *Organometallics*, **2016**, 35, 3612-3623 3.8 44
- 164 [Co(solv)₆][B₁₀H₁₀] (solv = DMF and DMSO) for low-temperature synthesis of borides. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 1125-1134 1.5 15
- 163 Liquid-phase synthesis and physicochemical properties of xerogels, nanopowders and thin films of the CeO₂/ZrO₃ system. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 1061-1069 1.5 13
- 162 Preparation of nanostructured thin films of yttrium iron garnet (Y₃Fe₅O₁₂) by sol-gel technology. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 805-810 1.5 9
- 161 Synthesis and structure of [NiL₆][B₁₀H₁₀] (L = DMF or DMSO) as precursors for solid-phase synthesis of nickel(II) coordination compounds. *Inorganica Chimica Acta*, **2016**, 451, 129-134 2.7 13
- 160 New method for preparation of sulfanyl derivative of closo-decaborate anion [B₁₀H₉SH]²⁻. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 198-202 1.5 11
- 159 Thermal and thermo-oxidative properties of the decahydro-closo-decaborate anion B₁₀H₁₀²⁻ in a silicate matrix. *Inorganic Materials*, **2015**, 51, 736-740 0.9 9
- 158 Synthesis of carbocation salts of boron cluster anions [B₁₀H₁₀]²⁻ and [B₁₂H₁₂]²⁻. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 771-775 1.5 5
- 157 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. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 817-822 1.5 15

156	Reactions of the $[B_{10}H_{10}]^{2-}$ anion with nucleophiles in the presence of halides of group IIIA and IVB elements. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 776-785	1.5	15
155	Reversible single-crystal-to-single-crystal photoisomerization of a silver(I) macropolyhedral borane. <i>CrystEngComm</i> , 2015 , 17, 8870-8875	3.3	21
154	Copper(I), copper(II), and heterovalent copper(I,II) complexes with 1,10-phenanthroline and the closo-decaborate anion. <i>Inorganica Chimica Acta</i> , 2015 , 430, 74-81	2.7	25
153	Thermal oxidation of the decahydro-closo-decaborate anion $B_{10}H_{10}^{2-}$ in a silicate matrix. <i>Inorganic Materials</i> , 2015 , 51, 498-502	0.9	7
152	Electronic structure of oxygen-containing bismuth compounds. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 970-974	1.5	1
151	The new approach to formation of exo boron-oxygen bonds from the decahydro-closo-decaborate(2-) anion. <i>Polyhedron</i> , 2015 , 101, 215-222	2.7	27
150	Behavior of a sample of the ceramic material HfB_2SiC (45 vol %) in the flow of dissociated air and the analysis of the emission spectrum of the boundary layer above its surface. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 1360-1373	1.5	26
149	Production of 8% Y_2O_3 -92% ZrO_2 (8YSZ) thin films by sol-gel technology. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 795-803	1.5	19
148	Synthesis and magnetic properties of iron(II) closo-borate complexes with tris(3,5-dimethylpyrazol-1-yl)methane. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 786-789	1.5	15
147	Preparation of highly porous $Nb_xTa_{1-x}C$ ceramics from polymer-matrix composite materials based on a phenol-formaldehyde binder and low hydrated hydroxide of niobium and tantalum. <i>Inorganic Materials</i> , 2015 , 51, 1066-1072	0.9	5
146	Theoretical study of exopolyhedral substitution in the hexahydro-closo-hexaborate anion. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 1110-1116	1.5	4
145	Glycolitrates synthesis of ultrafine lanthanum zirconate. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 1452-1458	1.5	15
144	Preparation of high-porous SiC ceramics from polymeric composites based on diatomite powder. <i>Journal of Materials Science</i> , 2015 , 50, 733-744	4.3	14
143	General electronegativity profile of a hydrogen molecule. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 875-878	1.5	1
142	Boron cluster anions $[B_nH_n]^{2-}$ ($n = 10, 12$) in the formation of binuclear iron(II) complexes with bridging CO ₃ group and azaheterocyclic ligands L (L = Bipy, Phen). <i>Doklady Chemistry</i> , 2015 , 461, 96-99	0.8	2
141	Isothermal diagrams of the $Li_2O-MnO-MnO_2$ system. <i>Doklady Chemistry</i> , 2015 , 465, 268-271	0.8	5
140	Isomerization $[trans-B_{20}H_{18}]^{2-} \rightarrow [iso-B_{20}H_{18}]^{2-}$ during silver(I) complexation with triphenylphosphine. <i>Doklady Chemistry</i> , 2015 , 465, 291-294	0.8	3
139	Calcium hydroxyapatite in hydroxyapatite/graphene oxide/collagen nanohybrids. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 1467-1480	1.5	4

138	Gel formation during sol-gel synthesis of silicon dioxide. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 1444-1451	1.5	11
137	Study of the synthesis of nanocrystalline mixed tantalum-zirconium carbide. <i>Physics of Atomic Nuclei</i> , 2015 , 78, 1357-1365	0.4	13
136	Synthesis, vaporization and thermodynamics of ceramic powders based on the $Y_2O_3-ZrO_2-HfO_2$ system. <i>Materials Chemistry and Physics</i> , 2015 , 153, 78-87	4.4	28
135	Reactivity of boron cluster anions $[B_{10}H_{10}]^{2-}$ and $[B_{12}H_{12}]^{2-}$ and $[B_{10}Cl_{10}]^{2-}$ and $[B_{12}H_{12}]^{2-}$ cobalt(II)/cobalt(III) complexation with 1,10-phenanthroline. <i>Inorganica Chimica Acta</i> , 2015 , 428, 154-162	2.7	27
134	Interactions of sodium liquid glass with triethylammonium decahydro-closo-decaborate $(Et_3NH)_2B_{10}H_{10}$. <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 107-110	1.5	10
133	$[2,6(9)-B_{10}H_8(O)_2CCH_3]^{2-}$ and $[2,7(8)-B_{10}H_8(OC(O)CH_3)_2]^{2-}$ derivatives in synthesis of position isomers of the $[B_{10}H_8(OC(O)CH_3)(OH)]^{2-}$ anion with the 2,6(9)- and 2,7(8)-arrangement of functional groups. <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 1247-1258	1.5	13
132	Theoretical study of H_2 elimination from $[B_nH_n + 1]^-$ monoanions ($n = 6, 11$). <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 1268-1275	1.5	9
131	Theoretical study of molecular hydrogen elimination from the undecahydrodecaborate monoanion $[B_{10}H_{11}]^-$ exopolyhedral substitution intermediates: $[B_{10}H_9]^-$ monoanion and neutral $[B_{10}H_{10}]$ cluster. <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 706-712	1.5	11
130	Nickel(II) complexes with nitrogen-containing derivatives of the closo-decaborate anion. <i>Russian Chemical Bulletin</i> , 2014 , 63, 187-193	1.7	22
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122	Hydride compounds of zinc. <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 1665-1678	1.5	11
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11	The Mechanism of Acid-Catalyzed Nucleophilic Substitution in Decahydro-closo-Decaborate(2 ⁻) Anions. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2001 , 27, 619-621	1.6	12
10	Nitrosation of Dodecahydro-closo-Dodecaborate Anions in Aqueous and Nonaqueous Solutions. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2001 , 27, 625-627	1.6	4
9	Solvent Effect in the Technology of Receptor Materials of Chemical Sensors. <i>Doklady Chemistry</i> , 2001 , 376, 49-51	0.8	
8	Energy of Chemical Bonds in Lanthanide Hydrides. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2000 , 26, 887-890	1.6	9
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