

Sergey A Anufriev

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

252
citations

1040056

9
h-index

940533

16
g-index

23
all docs

23
docs citations

23
times ranked

86
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of 10-Methylsulfide and 10-Alkylmethylsulfoniumnido-Carborane Derivatives: B-H \cdots B Interactions between the B-H-B Hydrogen Atom and Alkyne Group in 10-RC \equiv CCH ₂ S(Me)-7,8-C ₂ B ₉ H ₁₁ . European Journal of Inorganic Chemistry, 2017, 2017, 4436-4443.	2.0	34
2	Methylsulfanyl π -Stabilized Rotamers of Cobalt Bis(dicarbollide). European Journal of Inorganic Chemistry, 2017, 2017, 4444-4451.	2.0	29
3	Practical synthesis of 9-methylthio-7,8-nido-carborane [9-MeS-7,8-C ₂ B ₉ H ₁₁]-. Some evidences of B-H \cdots A-X hydride-halogen bonds in 9- XCH ₂ (Me)S-7,8-C ₂ B ₉ H ₁₁ (X = Cl, Br, I). Journal of Organometallic Chemistry, 2017, 849-850, 315-323.	1.8	27
4	A new approach to the synthesis of functional derivatives of nido-carborane: alkylation of [9-MeS-nido-7,8-C ₂ B ₉ H ₁₁] ⁺ . Dalton Transactions, 2014, 43, 5044-5053.	3.3	25
5	On relative electronic effects of polyhedral boron hydrides. Journal of Organometallic Chemistry, 2013, 747, 254-256.	1.8	23
6	Cyanide free contraction of disclosed 1,4-dioxane ring as a route to cobalt bis(dicarbollide) derivatives with short spacer between the boron cage and terminal functional group. Dalton Transactions, 2015, 44, 9860-9871.	3.3	16
7	Synthesis and structure of bis(methylsulfanyl) derivatives of iron bis(dicarbollide). Journal of Organometallic Chemistry, 2018, 865, 239-246.	1.8	15
8	1,12-Diiodo-Ortho-Carborane: A Classic Textbook Example of the Dihalogen Bond. Crystals, 2021, 11, 396.	2.2	12
9	Synthesis and Structure of Methylsulfanyl Derivatives of Nickel Bis(Dicarbollide). Molecules, 2019, 24, 4449.	3.8	9
10	Bis(dicarbollide) Complexes of Transition Metals as a Platform for Molecular Switches. Study of Complexation of 8,8 π -Bis(methylsulfanyl) Derivatives of Cobalt and Iron Bis(dicarbollides). Molecules, 2020, 25, 5745.	3.8	9
11	Isomeric ammonio derivatives of nido-carborane 3- and 10-H ₃ N-7,8-C ₂ B ₉ H ₁₁ . Phosphorus, Sulfur and Silicon and the Related Elements, 2020, 195, 901-904.	1.6	8
12	Synthesis and Catalytic Properties of Novel Ruthenacarboranes Based on nido-[5-Me-7,8-C ₂ B ₉ H ₁₀] ²⁺ and nido-[5,6-Me ₂ -7,8-C ₂ B ₉ H ₉] ²⁺ Dicarbollide Ligands. Catalysts, 2021, 11, 1409.	3.5	8
13	The unexpected reactivity of 9-iodo-nido-carborane: from nucleophilic substitution reactions to the synthesis of tricobalt tris(dicarbollide) Na[4,4 π -(MeOCH ₂ CH ₂ O) ₃ -3,3 π -Co ₃ ($\frac{1}{4}$ -O)($\frac{1}{4}$ -S)(1,2-C ₂ B ₉ H ₁₀) ₃]. Dalton Transactions, 2021, 50, 2671-2688.		
14	Two possible ways to combine boron and gadolinium for Gd-guided BNCT. A concept. Phosphorus, Sulfur and Silicon and the Related Elements, 2020, 195, 910-917.	1.6	5
15	One-Pot Synthesis of B-Aryl Carboranes with Sensitive Functional Groups Using Sequential Cobalt- and Palladium-Catalyzed Reactions. Catalysts, 2020, 10, 1348.	3.5	5
16	New approaches to the functionalization of the 1-carba-closo-decaborate anion. Chemical Communications, 2022, 58, 3775-3778.	4.1	5
17	Synthesis and Crystal Structure of 9,12-Dibromo-ortho-Carborane. MolBank, 2022, 2022, M1347.	0.5	5
18	The First Nickelacarborane with closo-nido Structure. Molecules, 2020, 25, 6009.	3.8	3

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19	Synthesis of 3-Aryl-ortho-carboranes with Sensitive Functional Groups. <i>Molecules</i> , 2021, 26, 7297.	3.8	3
20	Intramolecular non-covalent interactions in <i>nido</i> -carboranes and metallacomplexes. Phosphorus, Sulfur and Silicon and the Related Elements, 2018, 193, 104-109.	1.6	2
21	Synthesis of Bis(Carboranyl)amides 1,1- $\frac{1}{4}$ -(CH ₂ NH(O)C(CH ₂) _n -1,2-C ₂ B ₁₀ H ₁₁) ₂ (n = 0, 1) and Attempt of Synthesis of Gadolinium Bis(Dicarbollide). <i>Molecules</i> , 2021, 26, 1321.	3.8	1
22	Crystal Structure of 9-Dibenzylsulfide-7,8-dicarba-nido-undecaborane 9-Bn ₂ S-7,8-C ₂ B ₉ H ₁₁ . <i>MolBank</i> , 2021, 2021, M1230.	0.5	1
23	Transition metal catalyzed synthesis of derivatives of polyhedral boron hydrides with B N, B P, B O and B S bonds. <i>Advances in Catalysis</i> , 2022, , .	0.2	1