

Drahomír Hnyk

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	1-Phenyl-1,2-dicarba-closo-dodecaborane, 1-Ph-1,2-closo-C ₂ B ₁₀ H ₁₁ . Synthesis, Characterization, and Structure As Determined in the Gas Phase by Electron Diffraction, in the Crystalline Phase at 199 K by X-ray Diffraction, and by ab Initio Computations. <i>Inorganic Chemistry</i> , 1996, 35, 1701-1708.	1.9	72
2	Computational Study of Structures and Properties of Metallaboranes: Cobalt Bis(dicarbollide). <i>Chemistry - A European Journal</i> , 2005, 11, 4109-4120.	1.7	65
3	Parent Tricarbollides [nido-7,8,9-C ₃ B ₈ H ₁₁]-, nido-7,8,9-C ₃ B ₈ H ₁₂ , [nido-7,8,10-C ₃ B ₈ H ₁₁]-, and Their Derivatives. <i>Journal of the American Chemical Society</i> , 1997, 119, 7750-7759.	6.6	59
4	New Ways to a Series of Parent Representatives of the Eight-, Nine-, and Ten-Vertex Monocarbaborane Family. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 3605.	1.0	52
5	Computational Studies of Structures and Properties of Metallaboranes. 2. Transition-Metal Dicarbollide Complexes. <i>Organometallics</i> , 2006, 25, 2173-2181.	1.1	47
6	Molecular structure of 1-thia-closo-dodecaborane(II) studied by electron diffraction complemented by ab initio calculations. <i>Inorganic Chemistry</i> , 1992, 31, 2464-2467.	1.9	46
7	Distinct Photophysics of the Isomers of B ₁₈ H ₂₂ Explained. <i>Inorganic Chemistry</i> , 2012, 51, 1471-1479.	1.9	45
8	Molecular structure of 1-aza-closo-dodecaborane(12). Experimental and theoretical refinement. <i>Inorganic Chemistry</i> , 1993, 32, 2442-2445.	1.9	40
9	Interaction of heteroboranes with biomolecules : Part 2. The effect of various metal vertices and exo-substitutions. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 2085-2093.	1.3	39
10	Vapor Phase Laser Photochemistry and Determination by Electron Diffraction of the Molecular Structure of [(tBu)GaS] ₄ : Evidence for the Retention of the Ga ₄ S ₄ Cubane Core during the MOCVD Growth of Cubic GaS. <i>Organometallics</i> , 1995, 14, 690-697.	1.1	38
11	Monocarbaborane chemistry. Preparation and characterisation of [4-CB ₈ H ₉] ⁻ , the "missing" closo-carbaborane anion. <i>Chemical Communications</i> , 2001, , 1756-1757.	2.2	37
12	The [closo-2-CB ₆ H ₇] ⁻ Ion: The First Representative of the 7-Vertex Monocarbaborane Series This work was supported by the Alexander-von-Humboldt Stiftung (FRG) (B.Ä.), Deutsche Forschungsgemeinschaft (B. W., O.L.T.), Fonds der Chemischen Industrie (B.W.), and the Ministry of Education of Czech Republic (Project LN00A028). We also thank the Grant Agency of the Charles University (Grant No. 203/00/B-CH/PÄ™F) and the Supercomputing Center of the Charles University in Prague for their support.	7.2	37
13	Tuning the Photophysical Properties of [antiprismatic-B ₁₀ H ₁₂] ²⁺ : Efficient Intersystem Crossing between Excited Singlet and Triplet States in New 4,4'-bis(hydroxy)-[antiprismatic-B ₁₀ H ₁₂] ²⁺ . <i>Inorganic Chemistry</i> , 2013, 52, 9266-9274.	1.9	35
14	Mechanism of the antipodal effect with borane cages. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 1859-1861.	2.0	33
15	Molecular structure of 1,2-dicarba-closo-decaborane(10) as studied by the concerted use of electron diffraction and ab initio calculations. <i>Inorganic Chemistry</i> , 1994, 33, 4781-4786.	1.9	32
16	New route to 1-thia-closo-dodecaborane(11), closo-1-SB ₁₁ H ₁₁ , and its halogenation reactions. The effect of the halogen on the dipole moments and the NMR spectra and the importance of spin-orbit coupling for the 11B chemical shifts. <i>Dalton Transactions</i> , 2006, , 1024-1029.	1.6	32
17	B ⁻ H ⁺ : a nonclassical hydrogen bond or dispersion contact?. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18194-18200.	1.3	32
18	Interactions of Boranes and Carboranes with Aromatic Systems: CCSD(T) Complete Basis Set Calculations and DFT-SAPT Analysis of Energy Components. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11304-11311.	1.1	31

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19	Charge Distribution Within 1,2-Dicarba-closo-dodecaborane: Dipole Moments of Its Phenyl Derivatives. Collection of Czechoslovak Chemical Communications, 2001, 66, 1375-1379.	1.0	30
20	The molecular structures of pentaborane(11), B ₅ H ₁₁ , and hexaborane(12), B ₆ H ₁₂ , in the gas phase as determined by electron diffraction and ab initio calculations. Polyhedron, 1994, 13, 1453-1466.	1.0	27
21	Phosphacarborane Chemistry: The 7,8,9,11-, 7,9,8,10- and 7,8,9,10-Isomers of nido-P ₂ C ₂ B ₇ H ₉ Diphosphadecaborane Analogues of 7,8,9,10-C ₄ B ₇ H ₁₁ . Chemistry - A European Journal, 2001, 7, 1546-1554.	1.7	27
22	Binary twinned-icosahedral [B ₂₁ H ₁₈] ⁺ interacts with cyclodextrins as a precedent for its complexation with other organic motifs. Physical Chemistry Chemical Physics, 2017, 19, 11748-11752.	1.3	26
23	A systematic examination of classical and multi-center bonding in heteroborane clusters. Physical Chemistry Chemical Physics, 2018, 20, 4666-4675.	1.3	26
24	On the Molecular Structure of 7,8-Dicarba-10-thia-nido-undecaborane(10), the First Gaseous 11-Vertex nido-Heteroborane Studied by the Combined Electron Diffraction and ab Initio Approach: The NMR Consequence of the Molecular Geometry. The Journal of Physical Chemistry, 1996, 100, 3435-3440.	2.9	25
25	Dicarbaheteroborane Chemistry. Representatives of Two Eleven-Vertex Dicarbaundecaborane Families: nido-10,7,8-NC ₂ B ₈ H ₁₁ , Its N-Substituted Derivatives, and arachno-1,8,11-NC ₂ B ₈ H ₁₃ . Inorganic Chemistry, 1998, 37, 3902-3909.	1.9	25
26	Ferrocene-like iron bis(dicarbollide), [3-FeIII-(1,2-C ₂ B ₉ H ₁₁) ₂] ⁺ . The first experimental and theoretical refinement of a paramagnetic 11B NMR spectrum. Physical Chemistry Chemical Physics, 2010, 12, 7018.	1.3	25
27	Dipole moments of amidines and electron distribution within their functional group. Journal of Molecular Structure, 1988, 178, 147-159.	1.8	24
28	Molecular Structure of 3,3-Diethylpentane (Tetraethylmethane) in the Gas Phase As Determined by Electron Diffraction and ab Initio Calculations. Journal of Organic Chemistry, 1999, 64, 4226-4232.	1.7	24
29	Molecular Structure of 2,4-Ethanotetraborane(10), B ₄ H ₈ (CH ₂) ₂ , as Determined by Gas-Phase Electron Diffraction and Ab Initio Computations. Inorganic Chemistry, 1994, 33, 2572-2578.	1.9	22
30	New cubane MOCVD precursors for gallium sulphide and gallium selenide: Synthesis of [(Et ₂ MeC)GaS] ₄ and [(Me ₂ EtC)GaS] ₄ : Structural determinations of [(Et ₂ MeC)GaS] ₄ by X-ray diffraction and [(tBu)GaSe] ₄ by electron diffraction. Advanced Materials for Optics and Electronics, 1995, 5, 177-185.	0.6	21
31	Stereochemistry of free boranes and heteroboranes from electron scattering and model chemistries. Dalton Transactions, 2009, , 585-599.	1.6	21
32	Phosphacarborane Chemistry. Triphosphacarboranes nido-4-CH ₃ -7,8,9,10-P ₃ CB ₇ H ₇ and nido-4-CH ₃ -11-Cl-7,8,9,10-P ₃ CB ₇ H ₆ , Analogues of 7,8,9,10-C ₄ B ₇ H ₁₁ and the First Examples of Boron Clusters Containing Three Phosphorus Vertices. Inorganic Chemistry, 2001, 40, 4512-4513.	1.9	19
33	Microwave Spectra and Structures of 1,2-(ortho)- and 1,7-(meta)-Carborane, C ₂ B ₁₀ H ₁₂ . Journal of Physical Chemistry A, 2011, 115, 3380-3385.	1.1	19
34	An electron diffraction, ab initio and vibrational spectroscopic study of 1,2-di-tert-butylidisilane. Journal of Molecular Structure, 1995, 346, 215-229.	1.8	18
35	Synthesis and molecular structure of 1,12-dicarba-closo-dodecaborane(12)-1,12-dithiol, 1,12-(SH) ₂ -1,12-C ₂ B ₁₀ H ₁₀ , in the gaseous phase, determined by electron diffraction and ab initio calculations; geometrical consequences of three-dimensional aromaticity in carboranes 1,12-X ₂ -1,12-C ₂ B ₁₀ H ₁₀ . Dalton Transactions RSC, 2000, , 4617-4622.	2.3	18
36	Molecular Structures of Arachno-Heteroboranes with Decaborane Frameworks: Two Cs-symmetrical Azacarba- and Carbathiaboranes. Inorganic Chemistry, 2006, 45, 8442-8446.	1.9	18

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37	Synthesis, characterisation and some chemistry of C- and B-substituted carboxylic acids of cobalt bis(dicarbollide). Dalton Transactions, 2014, 43, 5106.	1.6	17
38	Two Isomeric Phosphacarboranes 2,1- and 6,1-PCB8H9, the First Representatives of the 10-VertexclosoPhosphacarborane Series. Inorganic Chemistry, 2002, 41, 2817-2819.	1.9	16
39	Structure of 1-Thia-closo-dodecaborane(11), 1-SB11H11, as Determined by Microwave Spectroscopy Complemented by Quantum Chemical Calculations. Inorganic Chemistry, 2003, 42, 3043-3046.	1.9	16
40	Computational Studies of Structures and Properties of Metallaboranes. Part 3: A Protonated Iron Bis(dicarbollide), [3-Fe-(1,2-C2B9H11)2H]-. Inorganic Chemistry, 2007, 46, 1771-1777.	1.9	16
41	exo-Substituent effects in halogenated icosahedral (B ₁₂ H ₁₂ 2) and octahedral (B ₆ H ₆ 2) closo-borane skeletons: chemical reactivity studied by experimental and quantum chemical methods. Collection of Czechoslovak Chemical Communications, 2009, 74, 1-27.	1.0	16
42	An Experimental Solution to the "Missing Hydrogens" Question Surrounding the Macropolyhedral 19-Vertex Boron Hydride Monoanion [B ₁₉ H ₂₂] ⁻ , a Simplification of Its Synthesis, and Its Use As an Intermediate in the First Example of <i>syn</i> -B ₁₈ H ₂₂ to <i>anti</i> -B ₁₈ H ₂₂ Isomer Conversion. Inorganic Chemistry, 2010, 49, 4092-4098.	1.9	16
43	Icosahedral Carbaboranes with Peripheral Hydrogen "Chalcogenide Groups: Structures from Gas Electron Diffraction and Chemical Shielding in Solution. Chemistry - A European Journal, 2019, 25, 2313-2321.	1.7	16
44	Molecular structure of trans-methylchlorovinyl sulphone: A molecular orbital constrained electron diffraction reinvestigation. Evidence for intramolecular hydrogen bonding. Journal of Molecular Structure, 1989, 213, 309-316.	1.8	15
45	Phosphaborane chemistry. Syntheses and calculated molecular structures of mono- and di-chloro derivatives of 1,2-diphospha-closo-dodecaborane(10). Dalton Transactions RSC, 2002, , 2954-2959.	2.3	15
46	Molecular Structures of arachno-Decaborane Derivatives 6,9-X ₂ B ₈ H ₁₀ (X = CH ₂ , NH, Se) Including a Gas-Phase Electron-Diffraction Study of 6,9-C ₂ B ₈ H ₁₄ . Inorganic Chemistry, 2006, 45, 6014-6019.	1.9	15
47	The gas-phase structure of 1-selena-closo-dodecaborane(11), 1-SeB ₁₁ H ₁₁ , determined by the concerted use of electron diffraction and computational methods. Dalton Transactions, 2008, , 96-100.	1.6	15
48	Why is the antipodal effect in closo-1-SB ₉ H ₉ so large? A possible explanation based on the geometry from the concerted use of gas electron diffraction and computational methods. Dalton Transactions, 2011, 40, 5734.	1.6	15
49	The Structure of 1-Thia-closo-decaborane(9), 1-SB ₉ H ₉ , as Determined by Microwave Spectroscopy and Quantum Chemical Calculations. Inorganic Chemistry, 2002, 41, 4574-4578.	1.9	14
50	Diphosphacarborane Analogues of the C ₅ H ₅ -Anion: Isolation of thenido-Di- and Triphosphacarboranes 7,8,9-P ₂ CB ₈ H ₁₀ , [7,8,9-P ₂ CB ₈ H ₉]-, [7,8,10-P ₂ CB ₈ H ₉]-, and 7,8,9,10-P ₃ CB ₇ H ₈ . Inorganic Chemistry, 2005, 44, 5826-5832.	1.9	14
51	A novel stibacarborane cluster with adjacent antimony atoms exhibiting unique pnictogen bond formation that dominates its crystal packing. Dalton Transactions, 2017, 46, 13714-13719.	1.6	14
52	Face-Fusion of Icosahedral Boron Hydride Increases Affinity to β -Cyclodextrin: closo, closo [B ₂₁ H ₁₈] ⁻ as an Anion with Very Low Free Energy of Dehydration. ChemPhysChem, 2020, 21, 971-976.	1.0	14
53	Molecular structure of gaseous 1,7-dichloro-1,7-dicarba-closo-dodecaborane(12), 1,7-Cl ₂ -1,7-C ₂ B ₁₀ H ₁₀ , as studied by electron diffraction and ab Initio calculations. Journal of the Chemical Society Dalton Transactions, 1994, , 2885-2890.	1.1	13
54	Structure and Conformational Properties of Bis(trifluoromethyl) Peroxydicarbonate, CF ₃ OC(O)OOC(O)OCF ₃ . Journal of Physical Chemistry A, 2003, 107, 847-851.	1.1	13

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55	Handles for the dicarbadodecaborane basket based on [arachno-5,10-C2B8H13] ⁺ : Oxygen. Dalton Transactions, 2006, , 2620-2622.	1.6	13
56	The [2,5,12-C3B8H15] ⁺ anion, the first representative of the eleven-vertex hypho family of tricarbaboranes. Dalton Transactions, 2007, , 1221-1228.	1.6	13
57	Thiocyanation of closo-Dodecaborate B12H12 ⁺ . A Novel Synthetic Route and Theoretical Elucidation of the Reaction Mechanism. Inorganic Chemistry, 2010, 49, 5040-5048.	1.9	13
58	The gaseous structure of closo-9,12-(SH)2-1,2-C2B10H10, a modifier of gold surfaces, as determined using electron diffraction and computational methods. Dalton Transactions, 2013, 42, 12015.	1.6	13
59	Photochromic System among Boron Hydrides: The Hawthorne Rearrangement. Journal of Physical Chemistry Letters, 2019, 10, 6202-6207.	2.1	13
60	Molecular structure of (E)- and (Z)-methylcyanovinyl sulphone in the gas phase and in crystal. Journal of Molecular Structure, 1990, 239, 265-279.	1.8	12
61	Structural Dualism in the Zwitterionic 7-RR ² NH-nido-7,8,9-C3B8H10 Tricarbollide Series: An Example of Absolute Tautomerism. Angewandte Chemie - International Edition, 2005, 44, 6222-6226.	7.2	12
62	Reductive Degradation of nido-1-CB8H12 into Smaller-Cage Carborane Systems via New Monocarboranes [arachno-5-CB8H13] ⁺ and closo-2-CB6H8. Chemistry - A European Journal, 2008, 14, 6529-6533.	1.7	12
63	Molecular structure of trans- and cis-methylchlorovinyl sulphone. Journal of Molecular Structure, 1987, 162, 75-86.	1.8	11
64	T symmetrical gaseous tetra-tert-butyltetraboratetrahedrane: An electron diffraction study. Polyhedron, 1997, 16, 603-606.	1.0	11
65	2,4-Ethanotetraborane derivatives. 3. [1] determination of the molecular structure of 2,4-(t-butylethano)tetraborane(10), 2,4-(ButCHCH2)B4H8, in the gas phase by electron diffraction. Journal of Molecular Structure, 1998, 445, 319-334.	1.8	11
66	Azatricarbaborane 7- <i>t</i> -Bu-arachno-7,1,5,12-NC ₃ B ₈ H ₁₂ and Parent Tricarbaboranes <i>nido</i> -[5,6,9-C ₃ B ₇ H ₁₀] ⁺ and -5,6,9-C ₃ B ₇ H ₁₁ . Inorganic Chemistry, 2008, 47, 760-762.	1.9	11
67	Structures of, and Related Consequences of Deprotonation on, Two <i>C</i> -Symmetric <i>Arachno</i> Nine-Vertex Heteroboranes, 4,6-X ₂ B ₇ H ₉ (X = CH ₂ ; S) Studied by Gas Electron Diffraction/Quantum Chemical Calculations and GIAO/NMR. Inorganic Chemistry, 2013, 52, 4502-4508.	1.9	11
68	Two Forgotten Ten-Vertex arachno Triheteroboranes: arachno-5,6,9-C2SB7H11 and arachno-5,6,9-C3B7H13, Their Molecular Structure Determination by ab initio/NMR Approach and Synthesis of the Thiocarborane. Collection of Czechoslovak Chemical Communications, 2002, 67, 813-821.	1.0	11
69	The Molecular Structures and Conformations of Bis(dichlorosilyl)amine and Bis(dichlorosilyl)methylamine in the Gas Phase: Determination by Electron Diffraction and by ab Initio Calculations. Chemische Berichte, 1995, 128, 807-815.	0.2	10
70	Gas-Phase Structure of (1,1,1,5,5,5-Hexafluoro-2,4-pentanedionato)(<i>η</i> -2-1,5-cyclooctadiene)copper(I), Cu(1,5-cod)(hfac), an Important Precursor for Vapor Deposition of Copper. Journal of the American Chemical Society, 2002, 124, 8078-8084.	6.6	10
71	Synthesis of the first 11-vertex arachno-dicarbathiorborane anion, [1,6,7-C2SB8H11] ⁻ . Polyhedron, 2003, 22, 3541-3545.	1.0	10
72	Azacarborane chemistry. Butyl nitrite synthesis of the new eight-, nine- and ten-vertex azacarboranes exo- and endo-7-CH3-hypho-7,8-NCB6H11, nido-6,8,9-NC2B7H10, arachno-6,5,9-NC2B7H12 and arachno-6,5,10-C2NB7H12. Dalton Transactions, 2003, , 1326.	1.6	10

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73	The first member of the eleven-vertex azadecaborane series, 1,6,9-NC ₂ B ₈ H ₁₃ , and its N-alkyl derivatives. Dalton Transactions, 2006, , 4664-4671.	1.6	10
74	Revisiting B ₂ O ₁₆ by means of a joint computational/experimental NMR approach. Collection of Czechoslovak Chemical Communications, 2010, 75, 1115-1123.	1.0	10
75	Nuclear Magnetic Shielding of Monoboranes: Calculation and Assessment of ¹¹ B NMR Chemical Shifts in Planar BX ₃ and in Tetrahedral [BX ₄] ⁺ Systems. Journal of Physical Chemistry A, 2017, 121, 9631-9637.	1.1	10
76	4,6-Dicarba-8-thia-arachno-nonaborane(10) Revisited. Theoretical Refinement of Its Structure. Collection of Czechoslovak Chemical Communications, 1999, 64, 993-1000.	1.0	10
77	Experimental and computed dipole moments in donor-bridge-acceptor systems with p-phenylene and p-carboranediyl bridges. Collection of Czechoslovak Chemical Communications, 2009, 74, 131-146.	1.0	8
78	Cationic closo-carboranes 2. Do computed ¹¹ B and ¹³ C NMR chemical shifts support their experimental availability?. Journal of Computational Chemistry, 2013, 34, 656-661.	1.5	8
79	Unusual Cage Rearrangements in 10-Vertex nido-5,6-Dicarbaborane Derivatives: An Interplay between Theory and Experiment. Inorganic Chemistry, 2017, 56, 852-860.	1.9	8
80	Pentafluoronitrosulfane, SF ₅ NO ₂ . Inorganic Chemistry, 2006, 45, 1783-1788.	1.9	7
81	Anionic Oligomerization of Li ₂ [B ₁₂ H ₁₂] and Li[CB ₁₁ H ₁₂]: An Experimental and Computational Study. Journal of Physical Chemistry C, 2013, 117, 1495-1501.	1.5	7
82	Borane Polyhedra as Building Blocks for Unknown but Potentially Isolatable New Molecules - Extensions based on Computations of the Known B ₁₈ H ₂₂ Isomers. Croatica Chemica Acta, 2013, 86, 485-494.	0.1	7
83	Synthesis of closo-1,2-H ₂ C ₂ B ₈ Me ₈ and 1,2-H ₂ C ₂ B ₈ Me ₇ X (X = I and OTf) Dicarbaboranes and Their Rearrangement Reactions. Inorganic Chemistry, 2019, 58, 2865-2871.	1.9	7
84	Charge distribution within hypercarbon-halogenated 1-Ph-2-X-1,2-dicarbocloso-dodecaboranes, (X = F,) Tj ETQqO O O rgBT /Overlock 10 246-249.	1.8	6
85	Expanding the structural chemistry of the weakly coordinating closo-carborane CB ₁₁ H ₁₂ : its monoiodo derivatives with and without C _{5v} symmetry. Structural Chemistry, 2013, 24, 927-932.	1.0	6
86	Quantitative syntheses of permethylated closo-1,10-R ₂ C ₂ B ₈ Me ₈ (R = H, Me) carboranes. Egg-shaped hydrocarbons on the Frontier between inorganic and organic chemistry. RSC Advances, 2018, 8, 38238-38244.	1.7	6
87	Methyl camouflage in the ten-vertex closo-dicarbaborane(10) series. Isolation of closo-1,6-R ₂ C ₂ B ₈ Me ₈ (R = H and Me) and their monosubstituted analogues. Dalton Transactions, 2018, 47, 11070-11076.	1.6	6
88	Investigation of Thiaborane closo-nido Conversion Pathways Promoted by n-Heterocyclic Carbenes. Inorganic Chemistry, 2019, 58, 2471-2482.	1.9	6
89	Bromination Mechanism of closo-1,2-C ₂ B ₁₀ H ₁₂ and the Structure of the Resulting 9-Br-closo-1,2-C ₂ B ₁₀ H ₁₁ Determined by Gas Electron Diffraction. ChemPlusChem, 2020, 85, 2606-2610.	1.3	6
90	A theoretical analysis of the structure and properties of B ₂₆ H ₃₀ isomers. Consequences to the laser and semiconductor doping capabilities of large borane clusters. Physical Chemistry Chemical Physics, 2019, 21, 12916-12923.	1.3	5

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91	Reactions of Experimentally Known Closo-C ₂ B ₈ H ₁₀ with Bases. A Computational Study. <i>Crystals</i> , 2020, 10, 896.	1.0	5
92	Dipole moments and electron distribution of acyl chlorides and acyl bromides. <i>Journal of Physical Organic Chemistry</i> , 1989, 2, 476-483.	0.9	4
93	Does 2-Methylacetophenone Comply with Steric Inhibition of Resonance? A Direct Experimental Proof of Its Nonplanar Conformation from a Joint Ab Initio/Electron Diffraction Analysis. <i>Journal of Organic Chemistry</i> , 2010, 75, 4939-4943.	1.7	4
94	Outerly functionalized and non-functionalized boron clusters intercalated into layered hydroxides with different modes of binding: materials for superacid storage. <i>Dalton Transactions</i> , 2018, 47, 11669-11679.	1.6	4
95	Thiaboranes on Both Sides of the Icosahedral Barrier: Retaining and Breaking the Barrier with Carbon Functionalities. <i>ChemPlusChem</i> , 2019, 84, 822-827.	1.3	4
96	Benchmark Data Sets of Boron Cluster Dihydrogen Bonding for the Validation of Approximate Computational Methods. <i>ChemPhysChem</i> , 2020, 21, 2599-2604.	1.0	4
97	Transformation of various multicenter bondings within bicapped-square antiprismatic motifs: <i>i>Z</i>-rearrangement. <i>Dalton Transactions</i>, 2021, 50, 12098-12106.</i>	1.6	4
98	Molecular geometry of (E)- and (Z)- methylcyanovinyl ether. <i>Journal of Molecular Structure</i> , 1990, 239, 281-290.	1.8	3
99	Surface termination of MgB ₂ unveiled by a combination of adsorption experiments and theoretical calculations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7313-7320.	1.3	3
100	Electrophilic Methylation of Decaborane(14): Selective Synthesis of Tetramethylated and Heptamethylated Decaboranes and Their Conjugated Bases. <i>Inorganic Chemistry</i> , 2020, 59, 10540-10547.	1.9	3
101	The Influence of Halogenated Hypercarbon on Crystal Packing in the Series of 1-Ph-2-X-1,2-dicarba-closo-dodecaboranes (X = F, Cl, Br, I). <i>Molecules</i> , 2020, 25, 1200.	1.7	3
102	The ĩ€ Complex of the Hydronium Ion Frozen on the Pathway of Electrophilic Aromatic Substitution. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4473-4475.	1.2	2
103	The behavior of a paramagnetic system in electric and magnetic fields as exemplified by revisiting Li@B ₁₀ H ₁₄ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12229-12236.	1.3	2
104	Various types of non-covalent interactions contributing towards crystal packing of halogenated diphospha-dicarbaborane with an open pentagonal belt. <i>New Journal of Chemistry</i> , 2018, 42, 10481-10483.	1.4	1
105	Thiaborane clusters with an exoskeletal BĀ€H group. <i>Chemical Communications</i> , 2019, 55, 3375-3378.	2.2	1
106	Thiaborane Icosahedral Barrier Increased by the Functionalization of all Terminal Hydrogens in closo-1-SB11H11. <i>Inorganic Chemistry</i> , 2021, 60, 8428-8431.	1.9	1
107	Rearrangement of dicarboranyl methyl cation to icosahedral³B⁹H¹²⁺: An ab initio dynamics view. <i>Journal of Computational Chemistry</i> , 2023, 44, 256-260.	1.5	1
108	The molecular structure of N-fluorobis(trifluoromethanesulfonyl)imide, NF(SO ₂ CF ₃) ₂ , as studied in the gas phase by electron diffraction restrained by ab initio calculations. <i>Dalton Transactions</i> , 2007, , 265-271.	1.6	0

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109	A convincing evidence of the S+ charge in SB11H11 and its derivatives. Special Publication - Royal Society of Chemistry, 2007, , 155-158.	0.0	0