

Bohumir Gruner

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Structurally rigidified cobalt bis(dicarbollide) derivatives, a chiral platform for labelling of biomolecules and new materials. <i>Chemical Communications</i> , 2022, 58, 2572-2575.	2.2	5
2	Nematicidal activity of naphthalimide- α -boron cluster conjugates. <i>Chemical Communications</i> , 2022, , .	2.2	10
3	Electrochemistry of Cobalt Bis(dicarbollide) Ions Substituted at Carbon Atoms with Hydrophilic Alkylhydroxy and Carboxy Groups. <i>Molecules</i> , 2022, 27, 1761.	1.7	1
4	Electrochemistry of icosahedral metal full and half sandwich metallocarboranes in phosphate buffers. <i>Journal of Electroanalytical Chemistry</i> , 2022, 910, 116165.	1.9	2
5	Reversed-phase chromatography as an effective tool for the chiral separation of anionic and zwitterionic carboranes using polysaccharide-based chiral selectors. <i>Journal of Chromatography A</i> , 2022, 1672, 463051.	1.8	3
6	The first chiral HPLC separation of dicarba-nido-undecaborate anions and their chromatographic behavior. <i>Talanta</i> , 2021, 222, 121652.	2.9	7
7	Cobalt Bis(dicarbollide) Alkylsulfonamides: Potent and Highly Selective Inhibitors of Tumor Specific Carbonic Anhydrase IX. <i>ChemPlusChem</i> , 2021, 86, 352-363.	1.3	11
8	Inhibitors of CA IX Enzyme Based on Polyhedral Boron Compounds. <i>ChemBioChem</i> , 2021, 22, 2741-2761.	1.3	19
9	Interaction of Adenosine, Modified Using Carborane Clusters, with Ovarian Cancer Cells: A New Anticancer Approach against Chemoresistance. <i>Cancers</i> , 2021, 13, 3855.	1.7	14
10	Stability of Different BTBP and BTPPhen Extracting or Masking Compounds against I^{131} Radiation. <i>ACS Omega</i> , 2021, 6, 26416-26427.	1.6	4
11	Gamma and pulsed electron radiolysis studies of CyMe ₄ BTBP and CyMe ₄ BTPPhen: Identification of radiolysis products and effects on the hydrometallurgical separation of trivalent actinides and lanthanides. <i>Radiation Physics and Chemistry</i> , 2021, 189, 109696.	1.4	4
12	Determination of acidity constants, ionic mobilities, and hydrodynamic radii of carborane-based inhibitors of carbonic anhydrases by capillary electrophoresis. <i>Electrophoresis</i> , 2021, 42, 910-919.	1.3	5
13	Cobalt Bis(dicarbollide) Alkylsulfonamides: Potent and Highly Selective Inhibitors of Tumor Specific Carbonic Anhydrase IX. <i>ChemPlusChem</i> , 2021, 86, 351-351.	1.3	2
14	Synthesis of naphthalimide-carborane and metallocarborane conjugates: Anticancer activity, DNA binding ability. <i>Bioorganic Chemistry</i> , 2020, 94, 103432.	2.0	34
15	Tetrazole Ring Substitution at Carbon and Boron Sites of the Cobalt Bis(dicarbollide) Ion Available via Dipolar Cycloadditions. <i>Inorganic Chemistry</i> , 2020, 59, 17430-17442.	1.9	11
16	Direct Introduction of an Alkylsulfonamido Group on α -sites of Isomeric Dicarba- α -dodecaboranes: The Influence of Stereochemistry on Inhibitory Activity against the Cancer-associated Carbonic Anhydrase IX Isoenzyme. <i>Chemistry - A European Journal</i> , 2020, 26, 16541-16553.	1.7	4
17	The structural basis for the selectivity of sulfonamido dicarbaboranes toward cancer-associated carbonic anhydrase IX. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1800-1810.	2.5	8
18	Sulfonamido carboranes as highly selective inhibitors of cancer-specific carbonic anhydrase IX. <i>European Journal of Medicinal Chemistry</i> , 2020, 200, 112460.	2.6	25

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19	Electrochemistry of icosahedral cobalt bis(dicarbollide) ions and their carbon and boron substituted derivatives in aqueous phosphate buffers. <i>Electrochimica Acta</i> , 2020, 342, 136112.	2.6	7
20	Simple Electrochemical Characterization of ortho- β -Carborane and some of its exo- β -skeletal Derivatives. <i>Electroanalysis</i> , 2020, 32, 1859-1866.	1.5	2
21	Focus on Chemistry of the 10-Dioxane-nido-7,8-dicarba-undecahydrido Undecaborate Zwitterion; Exceptionally Easy Abstraction of Hydrogen Bridge and Double-Action Pathways Observed in Ring Cleavage Reactions with OH^- as Nucleophile. <i>Molecules</i> , 2020, 25, 814.	1.7	11
22	High-Affinity Binding of Metallocarborane Cobalt Bis(dicarbollide) Anions to Cyclodextrins and Application to Membrane Translocation. <i>Journal of Organic Chemistry</i> , 2019, 84, 11790-11798.	1.7	58
23	Modified Diamide and Phosphine Oxide Extracting Compounds as Membrane Components for Cross-Sensitive Chemical Sensors. <i>Chemosensors</i> , 2019, 7, 41.	1.8	11
24	Metallocarborane Sulfamides: Unconventional, Specific, and Highly Selective Inhibitors of Carbonic Anhydrase IX. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9560-9575.	2.9	51
25	Cobalt bis-dicarbollide and its ammonium derivatives are effective antimicrobial and antibiofilm agents. <i>Journal of Organometallic Chemistry</i> , 2019, 899, 120891.	0.8	21
26	Capturing a dynamically interacting inhibitor by paramagnetic NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5661-5673.	1.3	21
27	Versatile, one-pot introduction of nonhalogenated 2-ammonio-decaborate ions as boron cluster scaffolds into organic molecules; host-guest complexation with β -cyclodextrin. <i>Chemical Communications</i> , 2019, 55, 13669-13672.	2.2	11
28	Synthesis and selected properties of nonhalogenated 2-ammonio-decaborate anions and their derivatives substituted at N-centre. <i>Journal of Organometallic Chemistry</i> , 2018, 865, 189-199.	0.8	12
29	On the Basic Extraction Properties of a Phenyl Trifluoromethyl Sulfone-Based GANEX System Containing $\text{CyMe}_4\text{-BTBP}$ and TBP. <i>Solvent Extraction and Ion Exchange</i> , 2018, 36, 360-372.	0.8	13
30	Host-Guest Chemistry of Carboranes: Synthesis of Carboxylate Derivatives and Their Binding to Cyclodextrins. <i>Chemistry - A European Journal</i> , 2018, 24, 12970-12975.	1.7	24
31	Structure-assisted design of carborane inhibitors of human carbonic anhydrase IX. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e197-e197.	0.0	0
32	Polyhalogenated Decaborate and 1-Ammoniododecaborate Ions: An Improved Synthesis with Elemental Halogens, and Physicochemical and Chemical Properties. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4499-4509.	1.0	13
33	Radiation Influencing of the Extraction Properties of the $\text{CyMe}_4\text{-BTBP}$ and $\text{CyMe}_4\text{-BTPhen}$ Solvents with FS-13. <i>Procedia Chemistry</i> , 2016, 21, 174-181.	0.7	10
34	Gamma Radiolysis of the Highly Selective Ligands CyMe_4BTBP and $\text{CyMe}_4\text{BTPhen}$: Qualitative and Quantitative Investigation of Radiolysis Products. <i>Procedia Chemistry</i> , 2016, 21, 32-37.	0.7	15
35	Electrochemistry of different boranes, carbaboranes and their exo-skeletal hydroxy derivatives at the graphite carbon electrode in aqueous phosphate buffers. <i>Electrochimica Acta</i> , 2016, 205, 8-14.	2.6	5
36	Gamma radiolytic stability of $\text{CyMe}_4\text{-BTBP}$ and the effect of nitric acid. <i>Nukleonika</i> , 2015, 60, 879-884.	0.3	13

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37	Characterization of solvents containing CyMe4-BTPPhen in selected cyclohexanone-based diluents after irradiation by accelerated electrons. <i>Nukleonika</i> , 2015, 60, 885-891.	0.3	5
38	Chemistry of cobalt bis(1,2-dicarbollide) ion; the synthesis of carbon substituted alkylamino derivatives from hydroxyalkyl derivatives via methylsulfonyl or p-toluenesulfonyl esters. <i>Journal of Organometallic Chemistry</i> , 2015, 798, 112-120.	0.8	14
39	15 th International Conference on Boron Chemistry (IMEBORON XV). <i>Pure and Applied Chemistry</i> , 2015, 87, 121-121.	0.9	1
40	The Synthesis and Structural Characterization of Polycyclic Derivatives of Cobalt Bis(dicarbollide)(1 ⁺). <i>Inorganic Chemistry</i> , 2015, 54, 3148-3158.	1.9	12
41	Polyacrylonitrile based composite materials with extracting agents containing chemically bonded CMPO groups for separation of actinoids. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 304, 313-319.	0.7	9
42	Abstract 4492: Novel carborane based inhibitors of carbonic anhydrase IX. , 2015, , .		0
43	Carborane-Based Carbonic Anhydrase Inhibitors: Insight into CAII/CAIX Specificity from a High-Resolution Crystal Structure, Modeling, and Quantum Chemical Calculations. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	18
44	Synthesis, characterisation and some chemistry of C- and B-substituted carboxylic acids of cobalt bis(dicarbollide). <i>Dalton Transactions</i> , 2014, 43, 5106.	1.6	17
45	Electrochemistry of parent and exo-skeletally substituted icosahedral monocarba and dicarbaboranes and their derivatives at the graphite carbon electrode in aqueous phosphate buffers. <i>Journal of Electroanalytical Chemistry</i> , 2014, 730, 16-19.	1.9	8
46	Electrochemistry of closo-dodecaborate dianion and its simple exo-skeletal derivatives at carbon electrodes in aqueous phosphate buffers. <i>Journal of Electroanalytical Chemistry</i> , 2013, 707, 38-42.	1.9	12
47	Anionic tert-butyl-calix[4]arenes substituted at the narrow and wide rim by cobalt bis(dicarbollide)(1 ⁺) ions and CMPO-groups. Effect of stereochemistry and ratios of the functional groups on the platform on the extraction efficiency for Ln(III)/An(III). <i>Journal of Organometallic Chemistry</i> , 2013, 747, 155-166.	0.8	8
48	Fission product interactions with nitrogen donor ligands used for spent nuclear fuel treatment. <i>Polyhedron</i> , 2013, 50, 154-163.	1.0	23
49	Three Isomers of Aryl-Substituted Twelve-Vertex Ferratricarbollides. <i>Organometallics</i> , 2013, 32, 377-379.	1.1	9
50	Carborane-Based Carbonic Anhydrase Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13760-13763.	7.2	93
51	Derivatization chemistry of the double-decker dicobalt sandwich ion targeted to design biologically active substances. <i>Pure and Applied Chemistry</i> , 2012, 84, 2243-2262.	0.9	8
52	The Zwitterion [8,8- $\frac{1}{4}$ -CH ₂ O(CH ₃)-(1,2-C ₂ B ₉ H ₁₀) ₂ -3,3- $\frac{1}{2}$ -Co] as a Versatile Building Block To Introduce Cobalt Bis(Dicarbollide) Ion into Organic Molecules. <i>Organometallics</i> , 2012, 31, 1703-1715.	1.1	26
53	Nitric Oxide Synthases Activation and Inhibition by Metallocarborane-Cluster-Based Isoform-Specific Affectors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 9541-9548.	2.9	19
54	Radiolysis of C5-BTBP in cyclohexanone irradiated in the absence and presence of an aqueous phase. <i>Radiochimica Acta</i> , 2012, 100, 273-282.	0.5	12

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55	The Extraction of Silver and the Effect of Diluent, Ligand Side Group and Solvent Composition. <i>Procedia Chemistry</i> , 2012, 7, 239-244.	0.7	5
56	Direct and facile synthesis of carbon substituted alkylhydroxy derivatives of cobalt bis(1,2-dicarbollide), versatile building blocks for synthetic purposes. <i>Dalton Transactions</i> , 2012, 41, 7498.	1.6	24
57	Halogen protected cobalt bis(dicarbollide) ions with covalently bonded CMPO functions as anionic extractants for trivalent lanthanide/actinide partitioning. <i>Polyhedron</i> , 2012, 38, 103-112.	1.0	14
58	Medicinal Application of Carboranes. , 2011, , 41-70.		12
59	Emerging subject for chiral separation science: Cluster boron compounds. <i>Chirality</i> , 2011, 23, 307-319.	1.3	25
60	Semi-quantitative and quantitative studies on the gamma radiolysis of C5-BTBP. <i>Radiochimica Acta</i> , 2011, 99, 113-119.	0.5	8
61	A TBP/BTBP-based GANEX Separation Process Part 2: Ageing, Hydrolytic, and Radiolytic Stability. <i>Solvent Extraction and Ion Exchange</i> , 2011, 29, 157-175.	0.8	65
62	Micelle-like nanoparticles of block copolymer poly(ethylene oxide)-block-poly(methacrylic acid) incorporating fluorescently substituted metallacarboranes designed as HIV protease inhibitor interaction probes. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 129-136.	5.0	18
63	Thiocyanation of closo-Dodecaborate B ₁₂ H ₁₂ . A Novel Synthetic Route and Theoretical Elucidation of the Reaction Mechanism. <i>Inorganic Chemistry</i> , 2010, 49, 5040-5048.	1.9	13
64	Interaction of Fluorescently Substituted Metallacarboranes with Cyclodextrins and Phospholipid Bilayers: Fluorescence and Light Scattering Study. <i>Langmuir</i> , 2010, 26, 6268-6275.	1.6	45
65	exo-Substituent effects in halogenated icosahedral (B ₁₂ H ₁₂) and octahedral (B ₆ H ₆) closo-borane skeletons: chemical reactivity studied by experimental and quantum chemical methods. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 1-27.	1.0	16
66	Calix[4]arenes Substituted on the Narrow Rim with Malononitrile and Cobalt Bis(dicarbollide) Anion. <i>Synthesis</i> , 2009, 2009, 4063-4067.	1.2	0
67	Metallacarboranes as Labels for Multipotential Electrochemical Coding of DNA. [Chromium bis(dicarbollide)]ate and Its Nucleoside Conjugates. <i>Electroanalysis</i> , 2009, 21, 501-506.	1.5	22
68	Syntheses of C-substituted icosahedral dicarbaboranes bearing the 8-dioxane-cobalt bisdicarbollide moiety. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1599-1601.	0.8	22
69	Cobalt bis(dicarbollide) ions functionalized by CMPO-like groups attached to boron by short bonds; efficient extraction agents for separation of trivalent f-block elements from highly acidic nuclear waste. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1678-1689.	0.8	25
70	Toward the Synthesis of High Boron Content Polyanionic Multicluster Macromolecules. <i>Inorganic Chemistry</i> , 2009, 48, 8210-8219.	1.9	27
71	Boron(8) substituted nitrilium and ammonium derivatives, versatile cobalt bis(1,2-dicarbollide) building blocks for synthetic purposes. <i>Dalton Transactions</i> , 2009, , 851-860.	1.6	42
72	Design of HIV Protease Inhibitors Based on Inorganic Polyhedral Metallacarboranes. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7132-7141.	2.9	132

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73	Chemical Ligation: A Versatile Method for Nucleoside Modification with Boron Clusters. Chemistry - A European Journal, 2008, 14, 10675-10682.	1.7	91
74	Capillary electrophoresis of boron cluster compounds in aqueous and nonaqueous solvents. Electrophoresis, 2008, 29, 1658-1666.	1.3	5
75	Inorganic Polyhedral Metallacarborane Inhibitors of HIV Protease: A New Approach to Overcoming Antiviral Resistance. Journal of Medicinal Chemistry, 2008, 51, 4839-4843.	2.9	90
76	Metallacarboranes as Building Blocks for Polyanionic Polyarmed Aryl-Ether Materials. Inorganic Chemistry, 2008, 47, 9497-9508.	1.9	62
77	DNA-Dinucleotides Bearing a Co^{III} - or Fe^{II} -dicarbollide Complex. Organometallics, 2007, 26, 3272-3274.	1.1	50
78	Dimethylsulfide-dicarbaborane chemistry. Isolation and characterisation of isomers [9-(SMe ₂)-nido-7,8-C ₂ B ₉ H ₁₀ -X-Me] (where X = 1, 2, 3 and 4) and some related compounds. An unusual skeletal rearrangement. Dalton Transactions, 2007, , 4859.	1.6	23
79	Liquid Crystalline Derivatives of Bis(tricarbollide)Fe(II). Inorganic Chemistry, 2007, 46, 6078-6082.	1.9	22
80	tert-Butyl-calix[4]arenes Substituted at the Narrow Rim with Cobalt Bis(dicarbollide) (1 ⁺) and CMPO Groups - New and Efficient Extractants for Lanthanides and Actinides. European Journal of Organic Chemistry, 2007, 2007, 4772-4783.	1.2	43
81	Macropolyhedral boron-containing cluster chemistry: The reaction of syn-B ₁₀ H ₁₂ with SMe ₂ and I ₂ in monoglyme: Structure of [7-(SMe ₂)-syn-B ₁₀ H ₂₀]. Inorganic Chemistry Communication, 2007, 10, 125-128.	1.8	10
82	8-Dioxane ferra(III) bis(dicarbollide): A paramagnetic functional molecule as versatile building block for introduction of a Fe(III) centre into organic molecules. Journal of Organometallic Chemistry, 2007, 692, 4801-4804.	0.8	34
83	Synergistic effect of ligating and ionic functions, prearranged on a calix[4]arene. Chemical Communications, 2006, , 4001-4003.	2.2	34
84	CMP(O) tripodands: synthesis, potentiometric studies and extractions. New Journal of Chemistry, 2006, 30, 1480-1492.	1.4	41
85	Towards rod-shaped molecules based on the twelve-vertex ferratricarbollides. Journal of Organometallic Chemistry, 2005, 690, 2850-2852.	0.8	6
86	Metallacarborane chemistry of the hypho-[6,7-C ₂ B ₆ H ₁₃] ⁻ anion: Reaction with nickelocene and the formation of three multimetallic nickel-boron clusters. Journal of Organometallic Chemistry, 2005, 690, 2835-2839.	0.8	8
87	New approaches to cluster modification in the 12-vertex metallatricarbollide series. Journal of Organometallic Chemistry, 2005, 690, 2853-2856.	0.8	10
88	Polypyrrole materials doped with weakly coordinating anions: influence of substituents and the fate of the doping anion during the overoxidation process. Polymer, 2005, 46, 12218-12225.	1.8	49
89	Cobalt Bis(dicarbollides)(1-) Covalently Attached to the Calix[4]arene Platform: The First Combination of Organic Bowl-Shaped Matrices and Inorganic Metallaborane Cluster Anions. European Journal of Organic Chemistry, 2005, 2005, 2022-2039.	1.2	41
90	From nonpeptide toward noncarbon protease inhibitors: Metallacarboranes as specific and potent inhibitors of HIV protease. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15394-15399.	3.3	279

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91	Synthesis and Rearrangements of Aminosubstituted Ferra- and Ruthenatricarbaboranes. Inorganic Chemistry, 2005, 44, 1655-1659.	1.9	32
92	Synthesis, reactivity and structural studies of carboranyl thioethers and disulfides. Dalton Transactions, 2005, , 1785.	1.6	33
93	Amino-Substituted Ferra-bis(tricarbollides)â€™ Metallatricarbaboranes Designed for Linear Molecular Constructions. European Journal of Inorganic Chemistry, 2004, 2004, 1402-1410.	1.0	16
94	Preconditions for reasonable detection sensitivity and for zone symmetry in electrophoretic separations of cluster borane anions. Journal of Chromatography A, 2004, 1051, 227-235.	1.8	4
95	Preconditions for reasonable detection sensitivity and for zone symmetry in electrophoretic separations of cluster borane anions. Journal of Chromatography A, 2004, 1051, 227-235.	1.8	3
96	Metal-Promoted Cage Rearrangements in the Tricarbollide Series: Conversion of Ligand Derivatives 7-L-nido-7,8,9-C3B8H10 (L = H3N, tBuH2N, Me2HN) into Neutral 8-R-nido-7,8,9-C3B8H11 (R = H2N, tBuHN,) Tj ETQq 0 0 rgB7 /Overloc	1.0	0
97	Exploration of the electrophoretic behaviour of borane cluster anions and of the capability of capillary electrophoresis to separate them chirally. Journal of Chromatography A, 2003, 984, 121-134.	1.8	17
98	Diferratricarbaboranes of the subcloso-[(Î-5-C5H5)2Fe2C3B8H11] Type, the First Representatives of the 13-Vertex Dimetallatricarbaborane Series. Chemistry - A European Journal, 2003, 9, 6115-6121.	1.7	17
99	Arsacarborane chemistry. The 7,8,9,11-, 7,9,8,10- and 7,8,9,10-isomers of nido-As2C2B7H9 and some of their halogenated derivatives Electronic supplementary information (ESI) available: selected bond lengths and angles for the crystallographically determined compound 3-I-2 have been also deposited, together with coordinates for the B3LYP/6-31G* calculated structures for all compounds reported. See http://www.rsc.org/suppdata/dt/2003/2121031/ Dalton Transactions, 2003, 1332-1336	1.6	7
100	Synthesis of 12-Hydroxy and 12-Dioxane Derivatives of the closo-1-Carbadodecaborate(1-) Ion. Variations on the PleÅek's Cobalt Bis(dicarbollide) Pattern. Collection of Czechoslovak Chemical Communications, 2002, 67, 953-964.	1.0	19
101	Cobalt bis(dicarbollide) ions with covalently bonded CMPO groups as selective extraction agents for lanthanide and actinide cations from highly acidic nuclear waste solutions. New Journal of Chemistry, 2002, 26, 1519-1527.	1.4	106
102	Crown ether substituted cobalta bis(dicarbollide) ions as selective extraction agents for removal of Cs+ and Sr2+ from nuclear waste. New Journal of Chemistry, 2002, 26, 867-875.	1.4	48
103	Syntheses of the B(8)-hydroxy- and B(8,8â€™)-dihydroxy-derivatives of the bis(1,2-dicarbollido)-3-cobalt(1-)ate ion by its reductive acetoxylation and hydroxylation: molecular structure of [8,8â€™-Î¼4-CH3C(O)2rŠ(1,2-C2B9H10)2-3-Co]0 zwitterion determined by X-ray diffraction analysis. Journal of Organometallic Chemistry, 2002, 649, 181-190.	0.8	35
104	Functionalized cobalt bis(dicarbollide) ions as selective extraction reagents for removal of M2+ and M3+ cations from nuclear waste, crystal and molecular structures of the [8,8â€™-Î¼4-CIP(O)(O)2rŠ(1,2-C2B9H10)2-3,3â€™-Co]HN(C2H5)3 and [8,8â€™-Î¼4-Et2NP(O)(O)2rŠ(1,2-C2B9H10)2-3,3â€™-Co](HN(C2H5)3)2. Journal of Organometallic Chemistry, 2002, 657, 59-70.	0.8	29
105	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
106	Two-Dimensional Molecular Grids on Mercury. Materials Research Society Symposia Proceedings, 2002, 728, 8151.	0.1	0
107	Unusual 9 â†’ 10 Rearrangement of the Substituted Cage Carbon in the Ferratricarbollide Series. Synthesis of the Isomeric Complexes [2-Î-5-(C5H5)-10-X-closo-2,1,7,10-FeC3B8H10] (Where X = H2N, MeHN,) Tj ETQq 1 1 0.784314 rgB	0.1	0
108	NEW SYNTHESIS OF B9H13L (L = WEAK LEWIS BASE) FROM [B10H10]2- BY CAGE OPENING AND DEGRADATION REACTIONS. Main Group Metal Chemistry, 1999, 22, .	0.6	6

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109	Replacement of the nitrogen of [1-N2B10H9] ⁺ by amines or nitriles, a route to hydrophobic monoanions. <i>Polyhedron</i> , 1999, 18, 931-939.	1.0	21
110	The Parent Hexacarbaborane- <i>nearachno</i> -C6B6H12 and a Methylated Pentacarbaborane- <i>nearachno</i> -CH3C5B7H12: Domains of Incipient Hydrocarbon Behavior within Borane Clusters. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1806-1808.	7.2	19
111	Ferratricarbollide design for molecular assemblies: complexes [9,9- η^2 -(<i>ButHN</i>)2- <i>com</i> -2,2- η^2 -M- <i>closo</i> -1,7,9-(C3B8H10)-1- η^2 ,7- η^2 ,9- η^2 -(C3B8H10)] (where M = Fe or Ru), the first example of double-cluster metallatricarbollides. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3337-3338.	1.1	13
112	A Series of the Twelve-Vertex Ferratricarbollides [2-(η^5 -C5H5)-9-X- <i>closo</i> -2,1,7,9-FeC3B8H10] (Where X =) <i>Tj ETQq0 0 0 rgBT /Overlock 1</i> Functions in the Para Position to the Metal Center. <i>Inorganic Chemistry</i> , 1999, 38, 2775-2780.	1.9	42
113	Synthesis of 12-Substituted 1-Carba- <i>closo</i> -dodecaborate Anions and First Hyperpolarizability of the 12-C7H6+-CB11H11-Ylide. <i>Journal of the American Chemical Society</i> , 1999, 121, 3122-3126.	6.6	107
114	Synthesis of Bis(diphenylphosphinio)octahydro- <i>closo</i> -decaborates L2B10H8 (L = Ph2PH) and 1-(Diphenylphosphinio)nonahydro- <i>closo</i> -decaborates(1-) [1-LB10H9]- (L = Ph2PH, Ph2P(OH)) by the Palladium-Catalyzed Reaction of Ph2PH with 1-Diazononahydro- <i>closo</i> -decaborate(1-) [1-N2B10H9]-. <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 856-864.	1.0	10
115	Oxidation of the [nido-6,9-C2B8H10]2- Anion - An Alternative Source of the 1,6- and 1,10-Dicarba- <i>closo</i> -decaboranes(10). <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 971-976.	1.0	10
116	Resolution of the [6,6- η^4 -(CH3)2P-(1,7-(C2B9H10)2)-2-Co] bridged cobaltacarborane to enantiomers pure by chiral HPLC, circular dichroism spectra and absolute configurations by X-ray diffraction. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 79-88.	1.8	19
117	A Return to the Plesek Reaction and Some Useful Variations. Carbon-Substituted Methyl and Phenyl Derivatives of 5,6-Dicarba- <i>nido</i> -decaborane(12), <i>nido</i> -5,6-C2B8H12. <i>Collection of Czechoslovak Chemical Communications</i> , 1997, 62, 1229-1238.	1.0	19
118	Synthesis of N- and B-Substituted Derivatives of <i>closo</i> -Amino-undecahydro-dodecaborate(1-) Anion. <i>Collection of Czechoslovak Chemical Communications</i> , 1997, 62, 1185-1204.	1.0	41
119	Synthesis and Properties of Cobaltacarboranes with Substituted Monoatomic Bridges Between Ligands of the 6,6'- η^4 -RnE(1,7-C2B9H10)2-2-Co Type. <i>Collection of Czechoslovak Chemical Communications</i> , 1997, 62, 884-893.	1.0	12
120	High-performance liquid chromatographic separations of boron-cluster compounds. <i>Journal of Chromatography A</i> , 1997, 789, 497-517.	1.8	56
121	Dodecamethylcarba- <i>closo</i> -dodecaborate(⁺) Anion, CB11Me12-. <i>Journal of the American Chemical Society</i> , 1996, 118, 3313-3314.	6.6	135
122	Constitution and HPLC Resolution of Enantiomers of the [8,4'- η^4 -R2N- <i>com</i> -(1,2-C2B9H10)2-3-Co] Complex the Third Isomer of Nitrogen-Bridged Bis. <i>Collection of Czechoslovak Chemical Communications</i> , 1994, 59, 374-380.	1.0	20
123	Chiral resolution of enantiomers of asymmetric cobaltacarboranes with a monoatomic bridge between ligands by liquid chromatography on a β -cyclodextrin column. <i>Journal of Chromatography A</i> , 1993, 633, 73-80.	1.8	15
124	Asymmetric Cobaltacarboranes [6,6'- η^4 -R-S(1,7-C2B9H10)2-2-Co] with a Monosulfur Bridge between Ligands and HPLC Resolution of the Enantiomers. <i>Collection of Czechoslovak Chemical Communications</i> , 1993, 58, 2936-2943.	1.0	21
125	Synthesis and Properties of ($\hat{\pm}$)- and (+)-4-MeS-3-C2H5-1,2,3-C2CoB9H10. <i>Collection of Czechoslovak Chemical Communications</i> , 1993, 58, 1087-1092.	1.0	28
126	Purity assay of sodium mercaptododecaborate by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1992, 595, 169-177.	1.8	4

#	ARTICLE	IF	CITATIONS
127	Liquid chromatographic resolution of enantiomers of deltahedral carborane and metallaborane derivatives. Journal of Chromatography A, 1992, 626, 197-206.	1.8	26
128	Synthesis of o-Carboranylmethyl Ethers of Steroids as Potential Target Substrates for Boron Neutron Capture Therapy. Collection of Czechoslovak Chemical Communications, 1992, 57, 463-471.	1.0	6
129	The Na ⁺ , K ⁺ /CN ⁻ , I ⁻ binary systems. Collection of Czechoslovak Chemical Communications, 1990, 55, 1741-1749.	1.0	0