

# Zuowei Xie

## 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.

336 papers	11,573 citations	56 h-index	82 g-index
382 ext. papers	12,821 ext. citations	7.6 avg, IF	7.04 L-index

#	Paper	IF	Citations
336	A (Hydrido)diborane(4) anion and its coordination chemistry with coinage metals.. <i>Chemical Science</i> , <b>2022</b> , 13, 3009-3013	9.4	0
335	Iridium-Catalyzed Selective B(4)-H Acylmethylation of -Carboranes with Sulfoxonium Ylides.. <i>Organic Letters</i> , <b>2022</b> ,	6.2	5
334	Pd-Catalyzed One-Pot Synthesis of Difunctionalized o-Carboranes via Construction of B $\pi$ and B $\pi$ Heteroatom Bonds?. <i>Acta Chimica Sinica</i> , <b>2022</b> , 80, 432	3.3	0
333	Rhodium-catalyzed sequential B(3)-, B(4)-, and B(5)-trifunctionalization of -carboranes with three different substituents.. <i>Chemical Communications</i> , <b>2021</b> ,	5.8	2
332	Ir-catalyzed enantioselective B-H alkenylation for asymmetric synthesis of chiral-at-cage o-carboranes. <i>Nature Communications</i> , <b>2021</b> , 12, 7146	17.4	7
331	Diboration of alkenes and alkynes with a carborane-fused four-membered boracycle bearing an electron-precise B-B bond. <i>Dalton Transactions</i> , <b>2021</b> , 50, 17150-17155	4.3	0
330	Light-enabled alkenylation of iodocarboranes with unactivated alkenes. <i>Dalton Transactions</i> , <b>2021</b> ,	4.3	2
329	A Strategy for Selective Catalytic B-H Functionalization of -Carboranes. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 4065-4079	24.3	23
328	Recent Advances in Transition Metal-Catalyzed Selective B-H Functionalization of o-Carboranes. <i>Bulletin of the Chemical Society of Japan</i> , <b>2021</b> , 94, 879-899	5.1	26
327	Ir-Catalyzed Selective B(3)-H Amination of -Carboranes with NH <sub>3</sub> . <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 4148-4153	16.4	19
326	Ene Reaction of -Carboryne with Alkynes and Alkenes at Room Temperature: Synthesis of -Carboranyl Allenes and Alkenes. <i>Organic Letters</i> , <b>2021</b> , 23, 2971-2975	6.2	1
325	Fe-Catalyzed Intramolecular B-H/C-H Dehydrogenative Coupling: Synthesis of Carborane-Fused Nitrogen Heterocycles. <i>Organic Letters</i> , <b>2021</b> , 23, 4163-4167	6.2	7
324	Synthesis, Characterization, and Catalytic Activity of Dinuclear Rare-Earth Metal Alkyl Complexes Bearing 2,6-Diisopropylphenylamidomethyl Functionalized Pyrrolyl Ligand. <i>Organometallics</i> , <b>2021</b> , 40, 1633-1641	3.8	2
323	Synthesis, Structure, and Reactivity of Acid-Free Neutral Oxoborane. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 19156-19160	3.6	4
322	Synthesis, Structure, and Reactivity of Acid-Free Neutral Oxoborane. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19008-19012	16.4	7
321	Light-promoted copper-catalyzed cage C-arylation of o-carboranes: facile synthesis of 1-aryl-o-carboranes and o-carborane-fused cyclics. <i>New Journal of Chemistry</i> , <b>2021</b> ,	3.6	2
320	Pd-catalyzed selective tetrafunctionalization of diiodo--carboranes. <i>Chemical Communications</i> , <b>2021</b> , 57, 8071-8074	5.8	2

319	Rhodium catalyzed multicomponent dehydrogenative annulation: one-step construction of isoindole derivatives. <i>Chemical Communications</i> , <b>2021</b> , 57, 7930-7933	5.8	1
318	Ring-opening and ring-expansion reactions of carborane-fused borirane. <i>Chemical Science</i> , <b>2021</b> , 12, 13187-13192	4.4	1
317	Pd-Catalyzed sequential B(3)-I/B(4)-H bond activation for the synthesis of 3,4-benzo--carboranes. <i>Dalton Transactions</i> , <b>2021</b> , 50, 1766-1773	4.3	4
316	Catalytic Cage BH Functionalization of Carboranes via Cage Walking Strategy. <i>ACS Catalysis</i> , <b>2021</b> , 11, 2134-2140	13.1	11
315	Iridium-Catalyzed Annulation of -Carboranyl Carboxylic Acids with Alkynes: Synthesis of Carborano-Isocoumarins. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 12412-12418	4.2	4
314	Tandem [4 + 2]/[2 + 2] cycloaddition of -carboryne with enynes: facile construction of carborane-fused tricyclics. <i>Chemical Science</i> , <b>2021</b> , 12, 5616-5620	9.4	1
313	Synthesis and structure of metallacarboranes bearing carborane-fused cyclopentenyl and dicarbollyl-fused cyclopentene ligands. <i>Dalton Transactions</i> , <b>2021</b> , 50, 10615-10620	4.3	0
312	Iridium-Catalyzed Regioselective B(3)-Alkenylation/B(3,6)-Dialkenylation of o-Carboranes by Direct B-H Activation. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 7144	4.8	1
311	Ir-catalyzed selective dehydrogenative cross-coupling of aryls with o-carboranes via a mixed directing-group strategy. <i>Chemical Communications</i> , <b>2020</b> , 56, 7001-7004	5.8	15
310	Palladium-Catalyzed Carbonylative Annulation of 1-Hydroxy-o-Carborane and Internal Alkynes via Regioselective B-H Activation. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 2170-2173	4.5	9
309	Copper-Catalyzed Electrochemical Selective B-H Oxygenation of -Carboranes at Room Temperature. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 6940-6945	16.4	34
308	Palladium-Catalyzed Oxidative Annulation of 1-Hydroxy-o-Carborane with Internal Alkynes: Facile Synthesis of Carborane-Fused Oxaboroles. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 1575-1578	4.9	4
307	Iridium-Catalyzed Regioselective B(3)-Alkenylation/B(3,6)-Dialkenylation of o-Carboranes by Direct B-H Activation. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 7212-7218	4.8	25
306	[2 + 2] Cycloaddition of o-Carboryne with Vinyl Ethers: Synthesis of Carborane-Fused Cyclobutanes. <i>Organometallics</i> , <b>2020</b> , 39, 4214-4220	3.8	3
305	Pd-Catalyzed Selective Bifunctionalization of 3-Iodo-o-Carborane by Pd Migration. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4881-4885	3.6	8
304	Pd-Catalyzed Selective Bifunctionalization of 3-Iodo-o-Carborane by Pd Migration. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4851-4855	16.4	40
303	Palladium-catalyzed intramolecular dehydrogenative coupling of BH and OH: synthesis of carborane-fused benzoxaboroles. <i>Dalton Transactions</i> , <b>2020</b> , 49, 1380-1383	4.3	18
302	Transition-Metal-Free Cross-Coupling Reaction of Iodocarboranes with Terminal Alkynes Enabled by UV Light: Synthesis of 1-Alkynyl--Carboranes and Carborane-Fused Cyclics. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18661-18667	16.4	7

301	Synthesis and X-ray characterization of 15- and 16-vertex closo-carboranes. <i>Nature Communications</i> , <b>2020</b> , 11, 5943	17.4	10
300	Magnesium-mediated sp C-H activation in cascade cyclization of 1-arylethynyl-2-alkyl-carboranes: efficient synthesis of carborane-fused cyclopentanes. <i>Chemical Science</i> , <b>2020</b> , 11, 9925-9929	9.4	2
299	8-Aminoquinoline as a bidentate traceless directing group for Cu-catalyzed selective B(4,5)-H disulfenylation of -carboranes. <i>Chemical Communications</i> , <b>2020</b> , 56, 12997-13000	5.8	16
298	Tri-insertion with dearomatization of terminal arylalkynes using a carborane based frustrated Lewis pair template. <i>Chemical Science</i> , <b>2020</b> , 12, 1745-1749	9.4	0
297	One-Pot Process to Carborano-Coumarin via Catalytic Cascade Dehydrogenative Cross-Coupling. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 383-388	4.9	27
296	Controlled functionalization of o-carborane via transition metal catalyzed B-H activation. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 3660-3673	58.5	113
295	How long a C-C bond can be? An example of extraordinary long C-C single bond in 1,2-diarylamino-o-carborane. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 1530-1532	8.1	9
294	Nucleophilic substitution: a facile strategy for selective B-H functionalization of carboranes. <i>Dalton Transactions</i> , <b>2019</b> , 48, 7494-7498	4.3	24
293	Catalytic Regioselective Cage B(8)-H Arylation of o-Carboranes via "Cage-Walking" Strategy. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4219-4224	16.4	53
292	Catalytic Cascade Dehydrogenative Cross-Coupling of BH/CH and BH/NH: One-Pot Process to Carborano-Isoquinolinone. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 12855-12862	16.4	49
291	Copper catalyzed/mediated direct B-H alkenylation/alkynylation in carboranes. <i>Science China Chemistry</i> , <b>2019</b> , 62, 74-79	7.9	36
290	Borylene Insertion into Cage B-H Bond: A Route to Electron-Precise B-B Single Bond. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3888-3891	16.4	27
289	Synthesis, structure and reactivity of a carborane-fused silylene 1-[[PhC(NtBu) <sub>2</sub> Si]-1,2-C <sub>2</sub> B <sub>10</sub> H <sub>11</sub> . <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 865, 173-177	2.3	4
288	Transition-Metal-Like Behavior of Monovalent Boron Compounds: Reduction, Migration, and Complete Cleavage of CO at a Boron Center. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8708-8713	16.4	30
287	16th International Meeting on Boron Chemistry (IMEBORON XVI). <i>Pure and Applied Chemistry</i> , <b>2018</b> , 90, 605-605	2.1	
286	Transition-Metal-Like Behavior of Monovalent Boron Compounds: Reduction, Migration, and Complete Cleavage of CO at a Boron Center. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8844-8849	3.6	14
285	Synthesis, structure and aromaticity of carborane-fused carbo- and heterocycles. <i>Chemical Science</i> , <b>2018</b> , 9, 2284-2289	9.4	24
284	Synthesis of carborane-fused carbo- and heterocycles via zirconacyclopentane intermediates. <i>Dalton Transactions</i> , <b>2018</b> , 47, 2453-2459	4.3	6

283	Reaction of o-Carboryne with Furans: Facile Synthesis of Carborane- Fused Oxanorbornenes and Their Derivatives. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 273-279	4.9	10
282	Enantioselective Synthesis of Chiral-at-Cage o-Carboranes via Pd-Catalyzed Asymmetric B-H Substitution. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4508-4511	16.4	54
281	Cage carbon-substitute does matter for aggregation-induced emission features of o-carborane-functionalized anthracene triads. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4140-4149	7.1	31
280	Copper Catalyzed Asymmetric [4 + 2] Annulations of D-A Cyclobutanes with Aldehydes. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 47-50	4.9	20
279	Broad Scope Extra-Annular [4+2] Cycloaddition of o-Carboryne with Styrenes: Efficient Route to Carborane-Fused Polycyclics. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 1041-1046	4.9	5
278	Innenrücktitelbild: Transition-Metal-Like Behavior of Monovalent Boron Compounds: Reduction, Migration, and Complete Cleavage of CO at a Boron Center (Angew. Chem. 28/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8917-8917	3.6	
277	Transition-metal-catalyzed Cage B-H Activation and Functionalization of o-Carboranes <b>2018</b> , 135-155		
276	Cyclic amino(carboranyl) silylene: synthesis, structure and reactivity. <i>Chemical Communications</i> , <b>2018</b> , 54, 385-388	5.8	9
275	Transition-Metal-Catalyzed Selective Cage B-H Functionalization of o-Carboranes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 2795-2805	4.8	94
274	Regioselective Nucleophilic Alkylation/Arylation of B-H Bonds in o-Carboranes: An Alternative Method for Selective Cage Boron Functionalization. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 16423-16427	16.4	29
273	Rhodium catalyzed cascade cyclization featuring B-H and C-H activation: one-step construction of carborane-fused N-polyheterocycles. <i>Chemical Science</i> , <b>2018</b> , 9, 6390-6394	9.4	31
272	Photoarylation of Iodocarboranes with Unactivated (Hetero)Arenes: Facile Synthesis of 1,2-[(Hetero)Aryl] <sub>n</sub> -o-Carboranes (n=1,2) and o-Carborane-Fused Cyclics. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 730-734	3.6	7
271	Dehydrogenative cross-coupling of o-carborane with thiophenes via Ir-catalyzed regioselective cage B-H and C(sp)-H activation. <i>Chemical Communications</i> , <b>2017</b> , 53, 4818-4821	5.8	59
270	Synthesis, Structure, and Reactivity of Carboranyl-Supported Germynes: Approaching Germanones. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 4430-4435	2.3	4
269	Direct Nucleophilic Substitution Reaction of Cage B-H Bonds by Grignard Reagents: A Route to Regioselective B4-Alkylation of o-Carboranes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8642-8646	16.4	20
268	Direct Nucleophilic Substitution Reaction of Cage B-H Bonds by Grignard Reagents: A Route to Regioselective B4-Alkylation of o-Carboranes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8768-8772	3.6	10
267	Reversible Photothermal Isomerization of Carborane-Fused Azaborole to Borirane: Synthesis and Reactivity of Carbene-Stabilized Carborane-Fused Borirane. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 9326-9329	3.6	7
266	Reversible Photothermal Isomerization of Carborane-Fused Azaborole to Borirane: Synthesis and Reactivity of Carbene-Stabilized Carborane-Fused Borirane. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9198-9201	16.4	23

265	Reactivity of mixed-sandwich zirconacarborane alkyls with polar unsaturated molecules. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 847, 97-104	2.3	1
264	Iridium-catalysed regioselective borylation of carboranes via direct B-H activation. <i>Nature Communications</i> , <b>2017</b> , 8, 14827	17.4	103
263	Photoarylation of Iodocarboranes with Unactivated (Hetero)Arenes: Facile Synthesis of 1,2-[(Hetero)Aryl] -o-Carboranes (n=1,2) and o-Carborane-Fused Cyclics. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 712-716	16.4	26
262	Broad Scope [4 + 2] Cycloaddition of o-Carboryne with Pentafulvenes Using 1-Li-2-OTf-o-C <sub>2</sub> B <sub>10</sub> H <sub>10</sub> as Precursor. <i>Organometallics</i> , <b>2017</b> , 36, 3806-3811	3.8	8
261	Boron Chemistry A Rapidly Expanding Research Field. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 4348-4349	2.3	6
260	Synthesis, Structure and Reactivity of a Borylene Cation [(NHSi)B(CO)] Stabilized by Three Neutral Ligands. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13680-13683	16.4	56
259	Transition Metal Catalyzed, Regioselective B(4)-Halogenation and B(4,5)-Diiodination of Cage B-H Bonds in o-Carboranes. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14866-14871	4.8	40
258	Cycloheptatrienyl dicarbollyl zirconium complexes: Building blocks for the preparation of multidecker sandwich complexes. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 828, 83-88	2.3	4
257	Recent advances in the chemistry of carborynes. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 314, 14-33	23.2	41
256	Rhodium-Catalyzed Regioselective Hydroxylation of Cage B-H Bonds of o-Carboranes with O <sub>2</sub> or Air. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12019-12023	3.6	21
255	Transition Metal Catalyzed Direct Amination of the Cage B(4)-H Bond in o-Carboranes: Synthesis of Tertiary, Secondary, and Primary o-Carboranyl Amines. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 12727-12730	16.4	106
254	Palladium-Catalyzed Regioselective Diarylation of o-Carboranes By Direct Cage B-H Activation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1295-8	16.4	96
253	Facile Synthesis of N-Carboranyl Amines through an ortho-Carboryne Intermediate. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1751-4	16.4	22
252	Palladium-Catalyzed Regioselective Diarylation of o-Carboranes By Direct Cage B-H Activation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1317-1320	3.6	29
251	Visible-Light-Promoted Photocatalytic B-C Coupling via a Boron-Centered Carboranyl Radical: Facile Synthesis of B(3)-Arylated o-Carboranes. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3218-3222	3.6	9
250	Visible-Light-Promoted Photocatalytic B-C Coupling via a Boron-Centered Carboranyl Radical: Facile Synthesis of B(3)-Arylated o-Carboranes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3166-70	16.4	34
249	Tantalacarborane Mediated Consecutive C-C and C-N Coupling Reactions of Alkyl Isonitriles: A Facile Route to N-Heterocycles. <i>Organometallics</i> , <b>2016</b> , 35, 233-241	3.8	10
248	Reaction of [1-B-(R <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> )C <sub>2</sub> B <sub>9</sub> H <sub>10</sub> ]TaMe <sub>3</sub> with Isonitriles: Effects of Nitrogen Substituents on Product Formation. <i>Organometallics</i> , <b>2016</b> , 35, 1430-1439	3.8	6



247	Unique properties of C,C'-linked nido-biscarborane tetraanions. Synthesis, structure and bonding of ruthenium monocarbollide via unprecedented cage carbon extrusion. <i>Chemical Communications</i> , <b>2016</b> , 52, 9992-5	5.8	9
246	Facile Synthesis of N-Carboranyl Amines through an ortho-Carboryne Intermediate. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1783-1786	3.6	5
245	Palladium catalyzed regioselective B-C(sp) coupling direct cage B-H activation: synthesis of B(4)-alkynylated -carboranes. <i>Chemical Science</i> , <b>2016</b> , 7, 5838-5845	9.4	82
244	The synthesis, structure and reactivity of an imine-stabilized carboranylphosphorus(i) compound. <i>Chemical Communications</i> , <b>2016</b> , 52, 7280-3	5.8	10
243	Synthesis, structure, and reactivity of mixed-sandwich zirconacarborane methyl complex (B-C5Me5)[B-(Me2NCH2CH2)C2B9H10]ZrMe. <i>Journal of Organometallic Chemistry</i> , <b>2016</b> , 822, 144-153	2.3	5
242	Rhodium-Catalyzed Regioselective Hydroxylation of Cage B-H Bonds of o-Carboranes with O2 or Air. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11840-4	16.4	84
241	Enantioselective Construction of Cyclobutanes: A New and Concise Approach to the Total Synthesis of (+)-Piperarborenine B. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 13151-13154	16.4	60
240	Phosphine-catalyzed cage carbon functionalization of o-carborane: facile synthesis of alkenylcarboranes. <i>Chemical Communications</i> , <b>2016</b> , 52, 10767-70	5.8	14
239	[3-N-CBH][BF]: a useful synthon for multiple cage boron functionalizations of -carborane. <i>Chemical Science</i> , <b>2016</b> , 7, 5635-5639	9.4	27
238	Synthesis and Structural Characterization of Carbene-Stabilized Carborane-Fused Azaborolyl Radical Cation and Dicarbolyl-Fused Azaborole. <i>Organometallics</i> , <b>2016</b> , 35, 2579-2582	3.8	34
237	o-Carborane functionalized pentacenes: synthesis, molecular packing and ambipolar organic thin-film transistors. <i>Chemical Communications</i> , <b>2015</b> , 51, 12004-7	5.8	98
236	Synthesis, structure and reactivity of rare-earth metallocarborane alkyls [Ln(THF)5]-O(CH2)2C2B9H9[Ln(CH2C6H4-o-NMe2)(THF)2]. <i>Dalton Transactions</i> , <b>2015</b> , 44, 6630-7	4.3	6
235	Dearomative [2 + 2] Cycloaddition and Formal C-H Insertion Reaction of o-Carboryne with Indoles: Synthesis of Carborane-Functionalized Heterocycles. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 9423-8	16.4	43
234	Highly diastereoselective and enantioselective formal [4 + 3] cycloaddition of donor-acceptor cyclobutanes with nitrones. <i>Organic Letters</i> , <b>2015</b> , 17, 2680-3	6.2	67
233	Palladium-catalyzed regioselective intramolecular coupling of o-carborane with aromatics via direct cage B-H activation. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3502-5	16.4	79
232	The synthesis and structure of a carbene-stabilized iminocarboranyl-boron(i) compound. <i>Chemical Communications</i> , <b>2015</b> , 51, 16817-20	5.8	26
231	An Unprecedented Formal [5 + 2] Cycloaddition of Nitrones with o-Carboryne via Tandem [3 + 2] Cycloaddition/Oxygen Migration/Aromatization Sequence. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13938-42	16.4	43
230	Palladium-Catalyzed Direct Dialkenylation of Cage B-H Bonds in o-Carboranes through Cross-Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10623-6	16.4	96

229	Reaction of N-heterocyclic carbenes with 13-vertex closo-carboranes: synthesis and structural characterization of zwitterionic salts of 13-vertex nido-carboranes. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 55-59	5.2	6
228	Synthesis, structure, and alkyne insertion of a mixed-sandwich zirconacarborane alkyl. <i>Inorganic Chemistry Frontiers</i> , <b>2015</b> , 2, 467-472	6.8	6
227	Synthesis, structure and reactivity of highly constrained-geometry yttracarborane alkyl [Y(C <sub>9</sub> H <sub>6</sub> )C <sub>2</sub> B <sub>9</sub> H <sub>10</sub> ][Y(CH <sub>3</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>3</sub> ) <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 798, 204-208	2.3	2
226	Palladium-Catalyzed Direct Dialkenylation of Cage B-H Bonds in o-Carboranes through Cross-Coupling Reactions. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 10769-10772	3.6	31
225	Facial Synthesis of o-Carborane-Substituted Alkenes and Allenes by a Regioselective Ene Reaction of 1,3-Dehydro-o-carborane. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10334-7	4.8	16
224	Nickel-Catalyzed Cross-Coupling Reactions of o-Carboranyl with Aryl Iodides: Facile Synthesis of 1-Aryl-o-Carboranes and 1,2-Diaryl-o-Carboranes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7772-7775	3.6	10
223	Nickel-catalyzed cross-coupling reactions of o-carboranyl with aryl iodides: facile synthesis of 1-aryl-o-carboranes and 1,2-diaryl-o-carboranes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7662-5	16.4	41
222	Asymmetric hydroamination catalyzed by a new chiral zirconium system: reaction scope and mechanism. <i>Chemical Communications</i> , <b>2015</b> , 51, 5751-3	5.8	21
221	DFT Studies on Structures, Stabilities, and Electron Affinities of closo-Supercarboranes C <sub>2</sub> B <sub>n</sub> H <sub>n</sub> (n = 13-20). <i>Organometallics</i> , <b>2015</b> , 34, 5576-5588	3.8	7
220	Supercarborane radical anions with 2n + 3 electron counts: a combined experimental and theoretical study. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 1965-73	5.1	11
219	Reactivity of Traditional Metal-Carbon (Alkyl) versus Nontraditional Metal-Carbon (Cage) Bonds in Organo-Rare-Earth Metal Complexes [B(C <sub>9</sub> H <sub>6</sub> )(C <sub>2</sub> B <sub>10</sub> H <sub>10</sub> )]Ln(CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> -o-NMe <sub>2</sub> )(THF) <sub>2</sub> . <i>Organometallics</i> , <b>2015</b> , 34, 2494-2499	3.8	7
218	On Desilylation of 13-Vertex Carborane 1,2-Me <sub>2</sub> Si(CH <sub>2</sub> ) <sub>2</sub> -1,2-C <sub>2</sub> B <sub>11</sub> H <sub>11</sub> . <i>Chinese Journal of Chemistry</i> , <b>2014</b> , 32, 777-782	4.9	4
217	Conversion of (C <sub>5</sub> -C <sub>2</sub> B <sub>9</sub> H <sub>10</sub> R)TaX <sub>3</sub> (X = Me, NMe <sub>2</sub> ) to (C <sub>5</sub> -C <sub>2</sub> B <sub>9</sub> H <sub>10</sub> R)TaX' (X' = NMe <sub>2</sub> , azaallyl) in the absence of a reducing agent: synthesis and structure of tantallacarboranes incorporating an arachno-C <sub>5</sub> -C <sub>2</sub> B <sub>9</sub> (4-) ligand. <i>Chemical Communications</i> , <b>2014</b> , 50, 8249-52	5.8	11
216	Generation and reactivity of o-carborynes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 4925-34	4.3	38
215	Iridium catalyzed regioselective cage boron alkenylation of o-carboranes via direct cage B-H activation. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15513-6	16.4	161
214	Synthesis and structural characterization of 14-vertex germa-, stanna-, and plumba-carboranes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 4986-92	4.3	5
213	Diels-Alder Reaction of o-Carboryne with Fulvenes: Synthesis of Carboranonorbornadienes and Their Transformations. <i>ChemPlusChem</i> , <b>2014</b> , 79, 1044-1052	2.8	15
212	One stone kills three birds: novel boron-containing vesicles for potential BNCT, controlled drug release, and diagnostic imaging. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 3291-9	5.6	35



211	1,3-Dehydro-o-carborane: generation and reaction with arenes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 8488-91	16.4	42
210	Transition-metal-mediated three-component cascade cyclization: selective cage B-C(sp <sup>2</sup> ) coupling of carborane with aromatics and synthesis of carborane-fused tricyclics. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 7599-602	16.4	63
209	Synthesis of carborane-fused cyclobutenes and cyclobutanes. <i>Science China Chemistry</i> , <b>2014</b> , 57, 1157-1163	16.3	3
208	Highly regio- and enantioselective synthesis of chiral polysubstituted 2H-pyrroles. <i>Science China Chemistry</i> , <b>2014</b> , 57, 1058-1058	7.9	0
207	Transition metal mediated functionalization of o-carboranes. <i>Science China Chemistry</i> , <b>2014</b> , 57, 1061-1063	16.3	39
206	Insight into Reaction Mechanism of [2 + 2 + 1] Cross-Cyclotrimerization of Carboryne with Alkene and Trimethylsilylalkyne Mediated by Nickel Complex. <i>Organometallics</i> , <b>2014</b> , 33, 3556-3563	3.8	17
205	Synthesis, structure, and reactivity of 13- and 14-vertex carboranes. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 1623-33	24.3	78
204	Regioselective Insertion of o-Carborynes into the C-H Bond of Tertiary Amines: Synthesis of $\beta$ -Carboranylated Amines. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13116-13120	3.6	3
203	1,3-Dehydro-o-Carborane: Generation and Reaction with Arenes. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 8628-8631	16.3	11
202	Regioselective insertion of o-carborynes into the C-H bond of tertiary amines: synthesis of $\beta$ -carboranylated amines. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 12902-6	16.4	21
201	Palladium-catalyzed selective fluorination of o-carboranes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 12192-5	16.4	91
200	Synthesis of Neutral Group 4 Metal-Carboryne Complexes and Their Reactivity toward Unsaturated Molecules. <i>Organometallics</i> , <b>2013</b> , 32, 4292-4300	3.8	19
199	Three-component [2+2+1] cross-cyclotrimerization of carboryne, unactivated alkene, and trimethylsilylalkyne co-mediated by Zr and Ni. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18742-5	16.4	25
198	Reaction of [(1)-(5)-(Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> )C <sub>2</sub> B <sub>9</sub> H <sub>10</sub> ]TaMe <sub>3</sub> with aryl isonitriles: tantalacarborene-mediated facile cleavage of C-N multiple bonds. <i>Chemical Communications</i> , <b>2013</b> , 49, 9039-41	5.8	16
197	Copper-catalyzed highly enantioselective cyclopentannulation of indoles with donor-acceptor cyclopropanes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7851-4	16.4	296
196	Reaction of Li <sub>2</sub> C <sub>2</sub> B <sub>10</sub> Me <sub>8</sub> H <sub>2</sub> with NiCl <sub>2</sub> . Ligand effects on stability of Ni-octamethylcarboryne complexes. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 747, 225-228	2.3	6
195	Reaction of 13-vertex carborane $\beta$ 1,2-(CH <sub>2</sub> ) <sub>4</sub> -1,2-C <sub>2</sub> B <sub>11</sub> H <sub>11</sub> with nucleophiles: linkage effect on product formation. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 10677-84	5.1	11
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193	Synthesis and Characterization of 14-Vertex Carboranes. <i>Organometallics</i> , <b>2013</b> , 32, 7399-7406	3.8	8
192	Three-component [2+2+2] cycloaddition of carboryne, unactivated alkene, and alkyne via zirconacyclopentane mediated by nickel: one-pot synthesis of dihydrobenzocarboranes. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1010-3	16.4	26
191	Reaction of o-carboranes with sterically demanding N-heterocyclic carbene: synthesis and structural characterization of 1 : 1 adducts. <i>Dalton Transactions</i> , <b>2012</b> , 41, 12907-14	4.3	22
190	Reaction of Carboryne with Alkylbenzenes. <i>Organometallics</i> , <b>2012</b> , 31, 3316-3323	3.8	28
189	A newly-designed PE-supported arsine for efficient and practical catalytic Wittig olefination. <i>Chemical Communications</i> , <b>2012</b> , 48, 290-2	5.8	27
188	Reaction of 13-vertex carborane $\text{C}_{11}\text{H}_{12}(\text{CH}_2)_3\text{-1,2-C}_2\text{B}_{11}\text{H}_{11}$ with nucleophiles: scope and mechanism. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 12976-87	5.1	13
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186	Reaction of carboryne with styrene and its derivatives. <i>Tetrahedron</i> , <b>2012</b> , 68, 5269-5278	2.4	27
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182	Three-Component [2+2+2] Cycloaddition of Carboryne, Unactivated Alkene, and Alkyne via Zirconacyclopentane Mediated by Nickel: One-Pot Synthesis of Dihydrobenzocarboranes. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1034-1037	3.6	1
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135	Synthesis and Structural Characterization of Constrained-Geometry Organolanthanide Chlorides and Alkyls Incorporating the Ligand [B: <i>i</i> (C <sub>9</sub> H <sub>6</sub> )C <sub>2</sub> B <sub>10</sub> H <sub>10</sub> ] <sub>2</sub> <i>Organometallics</i> , <b>2008</b> , 27, 5309-5316	3.8	22
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133	Synthesis, Structural Characterization, and Reactivity of Group 4 Metal Complexes Derived from 1-Indenyl-1,2-carborane. <i>Organometallics</i> , <b>2008</b> , 27, 1157-1168	3.8	25
132	Synthesis and Structural Characterization of Group 4 Metal Complexes Bearing Pentavalent Phosphorus-Bridged Ligands [(C <sub>13</sub> H <sub>8</sub> )(iPr <sub>2</sub> N)P( <i>D</i> )(C <sub>2</sub> B <sub>10</sub> H <sub>10</sub> )] <sub>2</sub> and [(C <sub>13</sub> H <sub>9</sub> )(iPr <sub>2</sub> N)P( <i>O</i> )(C <sub>2</sub> B <sub>9</sub> H <sub>10</sub> )] <sub>2</sub> <i>Organometallics</i> , <b>2008</b> , 27, 3964-3970	3.8	20
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126	Reaction of 13-vertex carboranes with nucleophiles: unprecedented cage-carbon extrusion and formation of monocarba-closo-dodecaborate anions. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 9447-9	16.4	28
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113	Synthesis and structure of 14- and 15-vertex ruthenacarboranes. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 4309-13	16.4 67
112	Ruthenium-mediated coupling/cycloaddition of the cyclopentadienyl ligand in [ $\eta^5\text{:}\sigma\text{-Me(2)C(C(5)H(4))(C(2)B(10)H(10))Ru(NCCH(3))(2)$ ] with alkynes. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 5533-6	16.4 36
111	Synthesis and Structure of 14- and 15-Vertex Ruthenacarboranes. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 4415-4419	16.4 12
110	Ruthenium-Mediated Coupling/Cycloaddition of the Cyclopentadienyl Ligand in [ $\eta^5\text{:}\sigma\text{-Me(2)C(C(5)H(4))(C(2)B(10)H(10))Ru(NCCH(3))(2)$ ] with Alkynes. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 5659-5662	3.6 3
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108	Synthesis, structure, and reactivity of 13-vertex carboranes and 14-vertex metallocarboranes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 5219-30	16.4 77
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105	Synthesis, structural characterization, reactivity, and thermal stability of [ $\eta^5\text{:}\sigma\text{-Me(2)C(C(5)H(4))(C(2)B(10)H(10))Ti(R)(NMe(2))$ ]. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 5675-83	5.1 31
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101	Synthesis and Structural Characterization of New Carboranyl-Indenyl Ligands and Their Lanthanide Complexes. <i>Organometallics</i> , <b>2006</b> , 25, 2617-2625	3.8	26
100	Pentavalent vs Trivalent Phosphorus-Bridged Ligands. Synthesis and Structural Characterization of Unexpected Group 4 Metal Complexes Incorporating an Indenylidene Unit, $[\text{Pr}2\text{NP}(\text{O})(\text{C}9\text{H}6)(\text{C}2\text{B}10\text{H}10)]\text{M}(\text{NR}2)2$ . <i>Organometallics</i> , <b>2006</b> , 25, 2569-2573	3.8	13
99	Group 4 metallocenes incorporating constrained-geometry carboranyl ligands. <i>Coordination Chemistry Reviews</i> , <b>2006</b> , 250, 259-272	23.2	137
98	Reactions of $[\text{B}(\text{Me}2\text{C}(\text{C}5\text{H}4)(\text{C}2\text{B}10\text{H}10))\text{Ru}(\text{COD})$ with Lewis bases: Synthesis, structure, and electrochemistry of ruthenium amine, nitrile, carbene, phosphite and phosphine complexes. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 3071-3082	2.3	21
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96	Highly Electrophilic Half-Sandwich Group 4 Metallocarborane Alkyls. $\text{Cp}^*/\text{Cp}^*\text{D}$ Activation and Alkyne Insertion Reactions at Neutral Metal Complexes. <i>Organometallics</i> , <b>2005</b> , 24, 5217-5220	3.8	23
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34	Synthesis, Reactivity, and Structural Characterization of Organolanthanide Compounds Incorporating both Cyclopentadienyl and Carboranyl Groups. <i>Organometallics</i> , <b>1999</b> , 18, 1641-1652	3.8	56
33	Application of a New Versatile Ligand to Lanthanide(II) Chemistry: Synthesis, Reactivity, and Structure of a New Class of Organolanthanide Complexes. <i>Organometallics</i> , <b>1999</b> , 18, 2420-2427	3.8	55
32	exo-nido- versus closo-Lanthanacarboranes. Synthesis and Structure of exo-nido- $\{[(\text{C}_6\text{H}_5\text{CH}_2)_2\text{C}_2\text{B}_{10}\text{H}_{10}]\text{Ln}(\text{DME})_3$ , [exo-nido- $\{[(\text{C}_6\text{H}_5\text{CH}_2)_2\text{C}_2\text{B}_9\text{H}_9]\text{Ln}(\text{THF})_3\}_2$ (Ln = Sm, Yb), and closo-exo- $\{[(\text{C}_6\text{H}_5\text{CH}_2)_2\text{C}_2\text{B}_{10}\text{H}_{10}]\}_4\text{Sm}_2\text{Na}_3$ . <i>Organometallics</i> , <b>1999</b> , 18, 3603-3609	3.8	33

31	Arene/Cation Structure and Bonding. Solvation versus Ligand Binding in Iron(III) Tetraphenylporphyrin Complexes of Benzene, Toluene, p-Xylene, and [60]Fullerene. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 8466-8474	16.4	81
30	Synthesis and Structure of the First Tetranuclear Organolanthanide Cluster Containing a $\mu$ -Imido Group. <i>Organometallics</i> , <b>1999</b> , 18, 1578-1579	3.8	64
29	A New Class of Metallocarboranes: Synthesis and Molecular Structure of the First Example of an Organolanthanide Compound Bearing an $\eta$ -Carboranyl Ligand. <i>Organometallics</i> , <b>1999</b> , 18, 3947-3949	3.8	43
28	Synthesis and Structural Characterization of Novel Organolanthanide Clusters Containing Amido and Imido Groups. <i>Organometallics</i> , <b>1999</b> , 18, 5511-5517	3.8	44
27	Cyclopentadienyl vs Indenyl Substituents. Organolanthanide Complexes and Biscarborane Compounds Derived from a Versatile Ligand, Me <sub>2</sub> Si(C <sub>9</sub> H <sub>7</sub> )(C <sub>2</sub> B <sub>10</sub> H <sub>11</sub> ). <i>Organometallics</i> , <b>1999</b> , 18, 4478-4487	3.8	44
26	Synthesis and reactivity of cationic lanthanide metallocene complexes. Hexabromocarborane and tetraphenylborate as counter ions. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 3367-3372		17
25	Synthesis and Structural Characterization of the First Mixed Lanthanacarborane Incorporating $\eta$ -Cyclopentadienyl and $\eta$ -Carboranyl Ligands. <i>Organometallics</i> , <b>1998</b> , 17, 1907-1909	3.8	46
24	Synthesis, Molecular Structure, and Reactivity of Organolanthanide Fluoride Complexes, [(Me <sub>3</sub> Si) <sub>2</sub> C <sub>5</sub> H <sub>3</sub> ] <sub>2</sub> Ln(F)] <sub>2</sub> (Ln = La, Nd, Sm, Gd) and [(C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> Ln(F)(THF)] <sub>2</sub> (Ln = Y, Yb). <i>Organometallics</i> , <b>1998</b> , 17, 3937-3944	3.8	46
23	A New Versatile Ligand: Its Synthesis and Applications in Organolanthanide Chemistry. <i>Organometallics</i> , <b>1998</b> , 17, 489-491	3.8	49
22	Highly Chlorinated, Brominated, and Iodinated Icosahedral Carborane Anions: 1-H-CB(11)X(11)(-), 1-CH(3)-CB(11)X(11)(-) (X = Cl, Br, I); 1-Br-CB(11)Br(11)(-). <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 6444-6451	5.1	80
21	Structural diversity in silver salts of hexahalogenocarborane anions, Ag(CB <sub>11</sub> H <sub>6</sub> X <sub>6</sub> ) (X = Cl, Br or I). <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1997</b> , 1213-1218		36
20	Synthesis and Structural Characterization of closo- and exo-nido-Lanthanacarboranes. <i>Organometallics</i> , <b>1997</b> , 16, 2460-2464	3.8	43
19	Chlorination of Icosahedral Carborane Anions. X-ray Crystal Structure of [Me(3)NH][CH(3)-1-CB(11)Cl(11)]. <i>Inorganic Chemistry</i> , <b>1997</b> , 36, 2246-2247	5.1	21
18	Five-Coordinate Hydrogen: Neutron Diffraction Analysis of the Hydrido Cluster Complex. <i>Science</i> , <b>1997</b> , 275, 1099-102	33.3	65
17	Synthesis and crystal structure of an organolanthanide fluoride, [(Me <sub>3</sub> Si) <sub>2</sub> C <sub>5</sub> H <sub>3</sub> ] <sub>2</sub> Sm(F)] <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , <b>1997</b> , 539, 127-130	2.3	11
16	Synthesis and X-ray crystal structure of bis[ $\eta$ -1,3-bis(trimethylsilyl)cyclopentadienyl] lanthanide and yttrium iodide complexes. <i>Journal of Organometallic Chemistry</i> , <b>1997</b> , 542, 285-289	2.3	11
15	Systematic studies on the reactions of lanthanide trichlorides with Na[1,3-bis(trimethylsilyl)cyclopentadienyl]. Crystal structures of [1,3-(Me <sub>3</sub> Si) <sub>2</sub> C <sub>5</sub> H <sub>3</sub> ] <sub>3</sub> Ln (Ln = La, Nd, Gd, Dy). <i>Journal of Organometallic Chemistry</i> , <b>1997</b> , 549, 239-244	2.3	26
14	Protonation of a Linear Oxo-Bridged Diiron Unit without Rehybridization of the Bridging Oxygen: Structure of the ( $\eta$ -Hydroxo)bis-(tetraphenylporphyrinato)iron (III) Cation. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 1335-1337		49



13	Approaching the Silylium ( $R_3Si^+$ ) Ion: Trends with Hexahalo (Cl, Br, I) Carboranes as Counterions. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 2922-2928	16.4	137
12	Autoionization of $SmI_3$ in Tetrahydrofuran. X-ray Crystal Structure of the Ionic Complex $[SmI_2(THF)_5][SmI_4(THF)_2]$ . <i>Inorganic Chemistry</i> , <b>1996</b> , 35, 5957-5958	5.1	32
11	A Crystalline $[H_9O_4]^+$ Hydronium Ion Salt with a Weakly Coordinating Anion. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 5403-5404	5.1	56
10	The Silylium Ion ( $R_3Si^+$ ) Problem: Effect of Alkyl Substituents R. <i>Organometallics</i> , <b>1995</b> , 14, 3933-3941	3.8	80
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8	The Search for the Least-Coordinating Anion. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1994</b> , 93, 485-485	1	6
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5	A new weakly coordinating anion: approaching the silylium (silicinium) ion. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1993</b> , 384-386		86
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3	Studies on organolanthanide complexes. <i>Journal of Organometallic Chemistry</i> , <b>1991</b> , 414, C12-C14	2.3	22
2	Studies on organolanthanide complexes. <i>Journal of Organometallic Chemistry</i> , <b>1991</b> , 412, 61-69	2.3	23
1	Transition-Metal-Promoted Functionalization of Carboranes	81-96	0