

# Sundargopal Ghosh

## 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.

244  
papers

4,632  
citations

44  
h-index

54  
g-index

260  
ext. papers

5,400  
ext. citations

4.9  
avg, IF

5.75  
L-index

#	Paper	IF	Citations
244	Substitution at B-H vertices of group 5 metallaborane clusters. <i>Journal of Organometallic Chemistry</i> , <b>2022</b> , 961, 122250	2.3	0
243	Nanovehicles and boron clusters <b>2022</b> , 291-319		0
242	Metallaheteroboranes with group 16 elements: Aspects of synthesis, framework and reactivity. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 214303	23.2	3
241	Light-Activated Intercluster Conversion of an Atomically Precise Silver Nanocluster. <i>ACS Nano</i> , <b>2021</b> , 15, 15781-15793	16.7	5
240	Chalcogen Stabilized Borate Complexes of Tantalum. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 120685	2.7	
239	Triple-Decker Sandwich Complexes of Tungsten with Planar and Puckered Middle Decks. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3524-3528	5.1	1
238	Synthesis and characterization of group 6-9 metal-rich homo- and hetero-metallaboranes. <i>Journal of the Indian Chemical Society</i> , <b>2021</b> , 98, 100040		
237	Metal-Rich Metallaboranes: Synthesis, Structures and Bonding of Bi- and Trimetallic Open-Faced Cobaltaboranes. <i>Inorganics</i> , <b>2021</b> , 9, 28	2.9	2
236	Metal-rich metallaboranes: Clusters containing triply and tetra bridging borylene and boride units. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 436, 213796	23.2	6
235	Directed Syntheses of CS- and CS-Bridged Decaborane-14 Analogues. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 12367-12376	5.1	1
234	Synthesis and reactivity of phosphine borohydride compounds. <i>Chemical Communications</i> , <b>2021</b> , 57, 375-378	3.8	1
233	Borane Polyhedra Beyond Icosahedron. <i>Structure and Bonding</i> , <b>2021</b> , 1	0.9	4
232	Stabilization of dichalcogenide ligands in the coordination sphere of a ruthenium system. <i>Dalton Transactions</i> , <b>2021</b> , 50, 12990-13001	4.3	1
231	Cooperative B-H and Si-H Bond Activations by $\eta$ -Chelated Ruthenium Borate Complexes. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 1183-1194	5.1	4
230	Recent Advances in the Synthesis and Reactivity of Transition Metal $\eta$ -Borane/Borate Complexes. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 1260-1273	24.3	8
229	Synthesis, Structures, and Bonding of Metal-Rich Metallaboranes Comprising Triply Bridging Borylene and Boride Moieties. <i>Organometallics</i> , <b>2021</b> , 40, 529-538	3.8	1
228	Impact of the Alkali Metal on the Structural and Dynamic Properties of the Anionic Pentahydride Ruthenium Complexes $[M(\text{THF})_x][\text{RuH}_5(\text{PCy}_3)_2]$ (M = Li, Na, K). <i>Organometallics</i> , <b>2021</b> , 40, 3024-3032	3.8	

- 227 Metal-Stabilized [B H ] Derivatives with Dodecahedral Structure in the Solid and Solution States: [(Cp MBH ) B H ] (Cp=η-C H ; M=Zr (1-Zr) and Hf (1-Hf)). *Chemistry - A European Journal*, **2021**, 27, 15634-15637 4.8 1
- 226 Structural and electronic analysis of bimetallic thiolate complexes of group-5 transition metal ions. *Journal of Organometallic Chemistry*, **2021**, 949, 121943 2.3 0
- 225 Contemporary developments in transition metal boryl complexes: An overview. *Coordination Chemistry Reviews*, **2021**, 446, 214106 23.2 3
- 224 Planar triple-decker and capped octahedral clusters of group-6 transition metals. *Journal of Organometallic Chemistry*, **2021**, 952, 122023 2.3 1
- 223 Chemistry of group 5 metallaboranes with heterocyclic thiol ligands: a combined experimental and theoretical study. *Dalton Transactions*, **2021**, 50, 4036-4044 4.3 1
- 222 Chemistry of Dimetallaocaborane(12) with Chalcogen-Based Borate Ligands: Obedient versus Disobedient Clusters. *Inorganic Chemistry*, **2020**, 59, 3537-3541 5.1 9
- 221 Diborane(6) and Its Analogues Stabilized by Mono-, Bi-, and Trinuclear Group 7 Templates: Combined Experimental and Theoretical Studies. *Inorganic Chemistry*, **2020**, 59, 1917-1927 5.1 7
- 220 Heterometallic Triply-Bridging Bis-Borylene Complexes. *Chemistry - an Asian Journal*, **2020**, 15, 780-786 4.5 5
- 219 Transmetalation vs adduct: Diverse reactivity of N,O-ketiminato germylene with [Cp\*MCl<sub>2</sub>]<sub>2</sub> (M=Rh or Ir; Cp\*=η<sup>5</sup>-C<sub>5</sub>Me<sub>5</sub>) and MCl<sub>5</sub> (M= Nb and Ta). *Journal of Organometallic Chemistry*, **2020**, 911, 121142 2.3 4
- 218 A combined experimental and theoretical study of bimetallic bis- and tris-homocubane analogues. *New Journal of Chemistry*, **2020**, 44, 674-683 3.6 4
- 217 BBE Functionalization of Hydrogen-Rich [(Cp\*V)<sub>2</sub>(B<sub>2</sub>H<sub>6</sub>)<sub>2</sub>]: Synthesis and Structures of [(Cp\*V)<sub>2</sub>(B<sub>2</sub>X<sub>2</sub>)<sub>2</sub>H<sub>8</sub>] (X = Cl, SePh; Cp\* = η<sup>5</sup>-C<sub>5</sub>Me<sub>5</sub>). *Organometallics*, **2020**, 39, 58-65 3.8 7
- 216 Synthesis, Structure, and Bonding of Bimetallic Bridging Borylene and Boryl Complexes. *Organometallics*, **2020**, 39, 4362-4371 3.8 2
- 215 Role of Metals and Thiolate Ligands in the Structures and Electronic Properties of Group 5 Bimetallic-Thiolate Complexes. *Inorganic Chemistry*, **2020**, 59, 12494-12503 5.1 1
- 214 Chemistry of bimetallic hexaborane(10) analogues: A combined experimental and theoretical study. *Inorganica Chimica Acta*, **2020**, 512, 119898 2.7 1
- 213 Metal Centered comono-Bis(metallaselenaborane): Heterotrimetallic Systems Bearing a Zn(II) Center. *Organometallics*, **2020**, 39, 2942-2946 3.8 0
- 212 Chalcogen Stabilized bis-Hydridoborate Complexes of Cobalt: Analogues of Tetracyclo[4.3.0.0.0 ]nonane. *Chemistry - A European Journal*, **2020**, 26, 16824-16832 4.8 4
- 211 "Triple-Decker Sandwich" Containing Planar {BEPd} Ring (E = S or Se). *Inorganic Chemistry*, **2020**, 59, 16272-16280 5.1 9
- 210 Stabilization of Classical [B<sub>2</sub>H<sub>5</sub>]<sub>2</sub> Structure and Bonding of [(Cp\*Ta)<sub>2</sub>(B<sub>2</sub>H<sub>5</sub>)(H)L<sub>2</sub>] (Cp\* = η<sup>5</sup>-C<sub>5</sub>Me<sub>5</sub>; L = SCH<sub>2</sub>S). *Angewandte Chemie*, **2019**, 131, 17848-17853 3.6 7

209	Stabilization of Classical [B H] : Structure and Bonding of [(Cp*Ta) (B H)(H)L] (Cp*= $\eta$ -C Me ; L=SCH S). <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17684-17689	16.4	12
208	Homocubane Chemistry: Synthesis and Structures of Mono- and Dicobaltaheteroborane Analogues of Tris- and Tetrahomocubanes. <i>ACS Omega</i> , <b>2019</b> , 4, 16651-16659	3.9	4
207	Use of Single-Metal Fragments for Cluster Building: Synthesis, Structure, and Bonding of Heterometallaboranes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 2744-2754	5.1	6
206	Trithia-diborinane and Bis(bridging-boryl) Complexes of Ruthenium Derived from a [BH(SCHS)] Ion. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 2346-2353	5.1	15
205	Metallaheteroboranes containing group 16 elements: An experimental and theoretical study. <i>Journal of Organometallic Chemistry</i> , <b>2019</b> , 883, 71-77	2.3	0
204	Fine tuning of reactivity and structure of bis(μ)borate and borate complexes of manganese by systematic ligand variation. <i>Polyhedron</i> , <b>2019</b> , 172, 191-197	2.7	2
203	Synthesis, Structures and Chemistry of the Metallaboranes of Group 4B with M <sub>2</sub> B <sub>5</sub> Core Having a Cross Cluster M-M Bond. <i>Inorganics</i> , <b>2019</b> , 7, 27	2.9	5
202	Synthesis of Trithia-Borinane Complexes Stabilized in Diruthenium Core: [(Cp*Ru) <sub>2</sub> (μ-S)(μ-CS){(CH <sub>2</sub> ) <sub>2</sub> S <sub>3</sub> BR}] (R = H or SMe). <i>Inorganics</i> , <b>2019</b> , 7, 21	2.9	3
201	A covalently linked dimer of [Ag(DMBT)]. <i>Chemical Communications</i> , <b>2019</b> , 55, 5025-5028	5.8	13
200	Mercapto-benzothiazolyl based ruthenium(ii) borate complexes: synthesis and reactivity towards various phosphines. <i>Dalton Transactions</i> , <b>2019</b> , 48, 7413-7424	4.3	8
199	Hydroboration of Alkynes: $\eta$ -Alkene-Borane versus $\eta$ -Boratabutadiene. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 9992-9997	5.1	6
198	Five-Membered Ruthenacycles: Ligand-Assisted Alkyne Insertion into 1,3-N,S-Chelated Ruthenium Borate Species. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13537-13546	4.8	7
197	Recent advances in transition metal diborane(6), diborane(4) and diborene(2) chemistry. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 399, 213021	23.2	16
196	Chalcogen stabilized trimetallic clusters: synthesis, structures, and bonding of [(Cp*M)(E)(BH)] (M = Nb or Ta; E = S or Se; m = 0 or 1 or 2; n = 0 or 1). <i>Dalton Transactions</i> , <b>2019</b> , 48, 4203-4210	4.3	10
195	Synthesis, Structural Characterization, and Theoretical Studies of Silver(I) Complexes of Dihydrobis(2-mercapto-benzothiazolyl) Borate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2019</b> , 645, 588-594	1.3	5
194	The tetracapped truncated tetrahedron in 16-vertex tetrametallaborane structures: spherical aromaticity with an isocloso rather than a closo skeletal electron count. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 22022-22030	3.6	4
193	Syntheses and structures of chalcogen-bridged binuclear group 5 and 6 metal complexes. <i>Journal of Chemical Sciences</i> , <b>2019</b> , 131, 1	1.8	2
192	Cluster Fusion: Face-Fused Macropolyhedral Tetracobaltaboranes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 47-51	5.1	9

191	Synthesis, Structure, Bonding, and Reactivity of Metal Complexes Comprising Diborane(4) and Diborene(2): $[\{Cp^*Mo(CO)_2\}_2\{\mu_2\text{-}B_2H_4\}]$ and $[\{Cp^*M(CO)_2\}_2B_2H_2M(CO)_4]$ , M=Mo,W. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8211-8215	3.6	9
190	Synthesis, Structure, Bonding, and Reactivity of Metal Complexes Comprising Diborane(4) and Diborene(2): $[\{Cp^*Mo(CO)\}_2\{\mu_2\text{-}B_2H_4\}]$ and $[\{Cp^*M(CO)\}_2B_2H_2M(CO)_4]$ , M=Mo,W. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8079-8083	16.4	25
189	Synthesis and ligand substitution of tri-metallic triply bridging borylene complexes. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 866, 79-86	2.3	5
188	Chemistry of Triple-Decker Sandwich Complexes Containing Four-Membered Open B <sub>2</sub> E <sub>2</sub> Rings (E = S or Se). <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 2045-2053	2.3	10
187	Metal-Rich Metallaboranes: Structures and Geometries of Heterometallic $\mu_9$ -Boride Clusters. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 2574-2583	2.3	5
186	Electron Precise Group 5 Dimetallaheteroboranes $[\{CpV(\eta^5\text{Ph})\}_2\{\mu_2\text{-}B_2HE\}]$ and $[\{CpNb(\eta^5\text{Ph})\}_2\{\mu_2\text{-}B_2HE\}]$ (E = S or Se). <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 985-994	5.1	14
185	Synthesis and characterization of diruthenaborane analogues of pentaborane(11) and hexaborane(10). <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 865, 29-36	2.3	4
184	$[(CpM)BH]$ (M = Zr or Hf): early transition metal guarded heptaborane with strong covalent and electrostatic bonding. <i>Chemical Science</i> , <b>2018</b> , 9, 1976-1981	9.4	14
183	Phenothiazine-Based Oligo(p-phenylenevinylene)s: Substituents Affected Self-Assembly, Optical Properties, and Morphology-Induced Transport. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 13213-13222	4.8	1
182	Combined Experimental and Theoretical Investigations of Group 6 Dimetallaheteroboranes $[(Cp^*M)_2B_4H_{10}]$ (M = Mo and W). <i>Organometallics</i> , <b>2018</b> , 37, 2419-2428	3.8	6
181	Synthesis and structural characterization of a diruthenium pentalene complex, $([\eta^5\text{-}Cp^*\text{-}Ru\{\eta^5\text{-}Cp^*\text{-}Ru\}_2\{\eta^6\text{-}B\}_6\{\eta^1\text{-}H\}_{14}\{\eta^5\text{-}Cp^*\text{-}Ru\}])$ . <i>Journal of Chemical Sciences</i> , <b>2018</b> , 130, 1	1.8	1
180	Dimesitylboryl-functionalised cyanostilbene derivatives of phenothiazine: distinctive polymorphism-dependent emission and mechanofluorochromism. <i>CrystEngComm</i> , <b>2018</b> , 20, 3162-3166	3.3	13
179	Chalcogenolato-bridged dinuclear half sandwich complexes of ruthenium and iridium. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 483, 106-110	2.7	2
178	Trimetallic Cubane-Type Clusters: Transition-Metal Variation as a Probe of the Roots of Hypoelectronic Metallaheteroboranes. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10896-10905	5.1	15
177	Organometallic Chemistry and Catalysis of Transition Metal Borane Compounds <b>2018</b> , 201-237		2
176	Heterometallic boride clusters: synthesis and characterization of butterfly and square pyramidal boride clusters*. <i>Pure and Applied Chemistry</i> , <b>2018</b> , 90, 665-675	2.1	8
175	Cyclometallation of a germylene ligand by concerted metalation-deprotonation of a methyl group. <i>Dalton Transactions</i> , <b>2018</b> , 47, 15835-15844	4.3	7
174	Metal-Rich Oxametallaheteroboranes of Group 5 Metals: Synthesis and Structure of a Face-Fused $\mu_9$ -Boride Cluster. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14748-14757	5.1	10

173	Chemistry of ruthenium borane complex, $[\text{Cp}^*\text{RuCO}(\eta\text{-H})\text{BH}_2\text{L}]$ ( $\text{Cp}^* = \eta\text{-C}_5\text{Me}_5$ ; $\text{L} = \text{C}_7\text{H}_4\text{NS}_2$ ) with terminal and internal alkynes: Structural characterization of vinyl hydroborate and vinyl complexes of ruthenium. <i>Polyhedron</i> , <b>2017</b> , 125, 246-252	2.7	8
172	Synthesis, Chemistry, and Electronic Structures of Group 9 Metallaboranes. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 1524-1533	5.1	6
171	Heterodimetallaboranes of Group 4 and 9 Metals: Analogues of Pentaborane(11) and Hexaborane(12). <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 4452-4458	2.3	1
170	Design, Synthesis, and Chemistry of Bis(borate and Agostic Complexes of Group 7 Metals. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 9812-9820	4.8	26
169	Phenothiazinyl Boranes: A New Class of AIE Luminogens with Mega Stokes Shift, Mechanochromism, and Mechanoluminescence. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 7046-7051	4.8	48
168	Synthesis and structural characterization of trithiocarbonate complexes of molybdenum and ruthenium derived from CS <sub>2</sub> ligand. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 849-850, 256-260	2.3	5
167	An Efficient Method for the Synthesis of Boratrane Complexes of Late Transition Metals. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 18264-18275	4.8	9
166	Synthesis, Structures, and Characterization of Dimeric Neutral Dithiolato-Bridged Tungsten Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 5434-5441	2.3	14
165	Synthesis, Structure and Chemistry of Mono- and Digallane Complexes Supported by N,O-Ketimine Ligand. <i>ChemistrySelect</i> , <b>2017</b> , 2, 7450-7454	1.8	1
164	Chlorination of the terminal hydrogen atoms in the hydrogen-rich group 5 dimetallaboranes ( $\text{Cp}^*\text{M}$ ) <sub>2</sub> ( $\text{B}_2\text{H}_6$ ) <sub>2</sub> ( $\text{M} = \text{Nb, Ta}$ ). <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 846, 372-378	2.3	11
163	Extended Sandwich Molecules Displaying Direct Metal-Metal Bonds. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 4546-4550	2.3	13
162	Poly(Aryl Ether) based Borogels: A New Class of Materials for Hosting Nanoparticles and Sensing Anions. <i>ChemistrySelect</i> , <b>2016</b> , 1, 3086-3090	1.8	2
161	Reactivity of CS <sub>2</sub> Syntheses and Structures of Transition-Metal Species with Dithioformate and Methanedithiolate Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 4913-4920	2.3	15
160	Synthesis and Characterization of Bis(sigma)borate and Bis(zwitterionic Complexes of Rhodium and Iridium. <i>ChemistrySelect</i> , <b>2016</b> , 1, 3757-3761	1.8	5
159	Synthesis and Structural Characterization of Group 7 and 8 Metal-Thiolate Complexes. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , <b>2016</b> , 86, 521-531	0.9	4
158	Reactivity of $[\text{M}(\text{ECl})(\text{cod})]$ ( $\text{M} = \text{Ir, Rh}$ ) and $[\text{Ru}(\text{Cl})(\text{cod})(\text{CH}_3\text{CN})]$ with $\text{Na}[\text{H}_2\text{B}(\text{bt})]$ : Formation of Agostic versus Borate Complexes. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17291-17297	4.8	10
157	Reactivity of $[\text{Cp}^*\text{Mo}(\text{CO})_3\text{Me}]$ with chalcogenated borohydrides $\text{Li}[\text{BH}_2\text{E}_3]$ and $\text{Li}[\text{BH}_3\text{E}_3\text{Fc}]$ ( $\text{Cp}^* = \eta\text{-C}_5\text{Me}_5$ ; $\text{E} = \text{S, Se or Te}$ ; $\text{Fc} = (\text{C}_5\text{H}_5\text{-Fe-C}_5\text{H}_4)$ ). <i>Journal of Chemical Sciences</i> , <b>2016</b> , 128, 1025-1032	1.8	10
156	Heterometallic boride clusters of group 6 and 9 transition metals. <i>Journal of Organometallic Chemistry</i> , <b>2016</b> , 819, 147-154	2.3	3

155	Hypo-electronic triple-decker sandwich complexes: synthesis and structural characterization of $[(Cp^*Mo)_2\{\eta(6):[\eta(6)-B_4H_4E-Ru(CO)_3\}]$ (E = S, Se, Te or Ru(CO) <sub>3</sub> and Cp* = $[\eta(5)-C_5Me_5]$ ). <i>Dalton Transactions</i> , <b>2016</b> , 45, 10999-1007	4.3	13
154	Benzoindolum-triarylborane conjugates: a ratiometric fluorescent chemodosimeter for the detection of cyanide ions in aqueous medium. <i>Dalton Transactions</i> , <b>2016</b> , 45, 5014-20	4.3	29
153	Chemistry of Rh-N,S heterocyclic carbene complexes. <i>Journal of Organometallic Chemistry</i> , <b>2016</b> , 811, 8-13	2.3	5
152	Trimetallaborides as starting points for the syntheses of large metal-rich molecular borides and clusters. <i>Chemical Science</i> , <b>2016</b> , 7, 109-116	9.4	9
151	Hypoelectronic isomeric diiridaboranes $[(Cp^*Ir)_2B_6H_6]$ : the "Rule-Breakers" (Cp* = $[\eta(5)-C_5Me_5]$ ). <i>Chemical Communications</i> , <b>2016</b> , 52, 3199-202	5.8	13
150	$[\eta(4)-HBCC-\eta(3)Borataallyl]$ Complexes of Ruthenium Comprising an Agostic Interaction. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7871-8	4.8	21
149	New Trinuclear Complexes of Group 6, 8, and 9 Metals with a Triply Bridging Borylene Ligand. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 8889-96	4.8	12
148	Hypoelectronic 8-11-Vertex Irida- and Rhodaboranes. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 4764-70	5.1	11
147	Reactivity of cyclopentadienyl transition metal(ii) complexes with borate ligands: structural characterization of the toluene-activated molybdenum complex $[Cp^*Mo(CO)(\eta^3CHCH)]$ . <i>Dalton Transactions</i> , <b>2016</b> , 45, 16317-16324	4.3	9
146	Metal rich metallaboranes of group 9 transition metals. <i>Journal of Organometallic Chemistry</i> , <b>2016</b> , 825-826, 1-7	2.3	6
145	In search for new bonding modes of the methylenedithiolato ligand: novel tri- and tetra-metallic clusters. <i>Dalton Transactions</i> , <b>2015</b> , 44, 11306-13	4.3	10
144	Borate-based ligands with soft heterocycles and their ruthenium complexes. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 799-800, 132-137	2.3	13
143	Neutral heterometallic cluster containing ketenylidene ligand: $[Cp^*Mo(CO)_2(\eta^1)Ru_2(CO)_6(\eta^1-n^1-CCO)]$ (Cp* = $n^5-C_5Me_5$ ). <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 798, 106-111	2.3	2
142	Group 5 Metal-Metal Bonds <b>2015</b> , 91-137		1
141	An electron-poor di-molybdenum triple-decker with a puckered $[B_4Ru_2]$ bridging ring is an oblatocloso cluster. <i>Chemical Communications</i> , <b>2015</b> , 51, 3828-31	5.8	17
140	All-metallagermoxane with an adamantanoid cage structure: $[(Cp^*Ru(CO)_2Ge)_4(\eta^6O)_6]$ (Cp* = $[\eta(5)-C_5Me_5]$ ). <i>Dalton Transactions</i> , <b>2015</b> , 44, 17920-3	4.3	3
139	Homometallic Cubane Clusters: Participation of Three-Coordinated Hydrogen in 60-Valence Electron Cubane Core. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 8673-8	5.1	6
138	A combined experimental and theoretical study on the isomers of 2,3,4,5-tetracarba-nido-hexaborane(6) derivatives and their photophysical properties. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 210-8	4.8	13

137	Diruthenium analogues of Hexaborane(12) and Pentaborane(9): Synthesis and structural characterization of [(1,2-Cp*Ru) <sub>2</sub> B <sub>2</sub> H <sub>6</sub> S <sub>2</sub> ] and [(2,3-Cp*Ru) <sub>2</sub> B <sub>3</sub> H <sub>6</sub> (η <sup>1</sup> -EPH)], (E = B, Se and Te) (Cp* = η <sup>5</sup> -C <sub>5</sub> Me <sub>5</sub> ). <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 776, 123-128	2.3	10
136	Hydroboration of Alkynes with Zwitterionic Ruthenium-Borate Complexes: Novel Vinylborane Complexes. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 11393-400	4.8	20
135	Electron-Precise 1,3-Bishomocubanes: A Combined Experimental and Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 5556-5562	2.3	8
134	Chemistry of N,S-Heterocyclic Carbene and Metallaboratrane Complexes: A New [(3)-BCC-Borataallyl] Complex. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 13732-8	4.8	22
133	New Routes to a Series of EBorane/Borate Complexes of Molybdenum and Ruthenium. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 17191-5	4.8	43
132	Ferrocene and Triazole-Appended Rhodamine Based Multisignaling Sensors for Hg <sup>2+</sup> and Their Application in Live Cell Imaging. <i>Organometallics</i> , <b>2015</b> , 34, 1147-1155	3.8	88
131	Synthesis, structure and chemistry of low-boron containing molybdaborane: Arachno-[Cp*Mo(CO) <sub>2</sub> B <sub>3</sub> H <sub>8</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 792, 31-36	2.3	3
130	Chemistry of early and late transition metallaboranes: synthesis and structural characterization of periodinated dimolybdaborane [(Cp*Mo) <sub>2</sub> B <sub>4</sub> H <sub>3</sub> I <sub>5</sub> ]. <i>Pure and Applied Chemistry</i> , <b>2015</b> , 87, 195-204	2.1	5
129	Synthesis and chemistry of the open-cage cobaltaheteroborane cluster [(η <sup>5</sup> -C <sub>5</sub> Me <sub>5</sub> )Co] <sub>2</sub> B <sub>2</sub> H <sub>2</sub> Se <sub>2</sub> : a combined experimental and theoretical study. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14403-10	4.3	8
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125	First-row transition-metal-diborane and -borylene complexes. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 5074-83	4.8	33
124	Unprecedented ferrocenequinoline conjugates: facile proton conduction via 1D helical water chains and a selective chemosensor for Zn(II) ions in water. <i>RSC Advances</i> , <b>2015</b> , 5, 15690-15694	3.7	6
123	Reactivity of diruthenium and dirhodium analogues of pentaborane(9): agostic versus boratrane complexes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2873-7	16.4	65
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117	Fused metallaborane clusters of group 9 and 8 transition metals. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 772-773, 242-247	2.3	5
116	Triazolyl Alkoxy Fischer Carbene Complexes in Conjugation with Ferrocene/Pyrene as Sensory Units: Multifunctional Chemosensors for Lead(II), Copper(II), and Zinc(II) Ions. <i>Organometallics</i> , <b>2014</b> , 33, 3096-3107	3.8	42
115	Synthesis of triazole linked fluorescent amino acid and carbohydrate bio-conjugates: a highly sensitive and skeleton selective multi-responsive chemosensor for Cu(II) and Pb(II)/Hg(II) ions. <i>RSC Advances</i> , <b>2014</b> , 4, 1918-1928	3.7	26
114	Metallaboranes from Metal Carbonyl Compounds and Their Utilization as Catalysts for Alkyne Cyclotrimerization. <i>ChemPlusChem</i> , <b>2014</b> , 79, 546-551	2.8	18
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112	Addition and elimination reactions of H <sub>2</sub> in ruthenaborane clusters: A computational study. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 761, 1-9	2.3	1
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108	Dimetallaheteroborane clusters containing group 16 elements: A combined experimental and theoretical study. <i>Journal of Chemical Sciences</i> , <b>2014</b> , 126, 1597-1603	1.8	1
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106	An Early/Late Transition Metal Hybrid Analogue of Hexaborane(12). <i>Organometallics</i> , <b>2013</b> , 32, 4618-4623	3.8	7
105	Hypoelectronic dimetallaheteroboranes of group 6 transition metals containing heavier chalcogen elements. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 7923-32	5.1	21
104	New heteronuclear bridged borylene complexes that were derived from [Cp*CoCl] <sub>2</sub> and mono-metal-carbonyl fragments. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 15219-25	4.8	22
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90	Boron beyond the icosahedral barrier: a 16-vertex metallaborane. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3222-6	16.4	84
89	Electronic and structural effects of stepwise borylation and quaternization on borirene aromaticity. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 1903-11	16.4	33
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81	An eleven-vertex metallaborane with tetracapped pentagonal bipyramidal geometry. <i>Dalton Transactions</i> , <b>2012</b> , 41, 3627-9	4.3	3
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30	Linked and Fused Tungstaborane Clusters: Synthesis, Characterization, and Electronic Structures of bis-[( $\eta$ -C <sub>5</sub> Me <sub>5</sub> W) <sub>2</sub> B <sub>5</sub> H <sub>8</sub> ] <sub>2</sub> and ( $\eta$ -C <sub>5</sub> Me <sub>5</sub> W) <sub>2</sub> {Fe(CO) <sub>3</sub> } <sub>n</sub> B <sub>6</sub> -nH <sub>10</sub> -n, n = 0, 1. <i>Organometallics</i> , <b>2007</b> , 26, 5377-5385	3.8	54

29	Condensed metallaborane clusters: synthesis and structure of Fe <sub>2</sub> (CO) <sub>6</sub> ( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> RuCO)( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> Ru)B <sub>6</sub> H <sub>10</sub> . <i>Chemical Communications</i> , <b>2005</b> , 3080-2	5.8	51
28	Insertion of B $\bar{X}$ (X = Cl, SMe <sub>2</sub> ) Moieties into Ruthenaborane Frameworks: Synthesis and Characterization of ( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> Ru) <sub>2</sub> ( $\eta^1$ )B <sub>4</sub> H <sub>m</sub> Cl <sub>n</sub> , (m, n = 4, 3; 5, 2; 7, 2), closo-1-(SMe <sub>2</sub> )-2,3-( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> Ru) <sub>2</sub> ( $\eta^1$ -H)B <sub>5</sub> HCl <sub>3</sub> , and closo-2,3-( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> Ru) <sub>2</sub> B <sub>6</sub> H <sub>3</sub> Cl <sub>3</sub> .	3.8	14
27	Synthesis and characterization of [exo-BH <sub>2</sub> (Cp* <i>M</i> ) <sub>2</sub> B <sub>9</sub> H <sub>14</sub> ] (M = Ru, Re), and the conversion of the ruthenaborane into [(Cp* <i>Ru</i> ) <sub>2</sub> B <sub>10</sub> H <sub>16</sub> ] with an open cluster framework based on a capped truncated tetrahedron. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 2916-8	16.4	50
26	Borane mimics of classic organometallic compounds: [(Cp* <i>Ru</i> )B <sub>8</sub> H <sub>14</sub> ( <i>Ru</i> Cp*)] <sub>0,+</sub> , isoelectronic analogues of dinuclear pentalene complexes. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 6568-714	16.4	51
25	Synthesis and Characterization of [exo-BH <sub>2</sub> (Cp* <i>M</i> ) <sub>2</sub> B <sub>9</sub> H <sub>14</sub> ] (M=Ru, Re), and the Conversion of the Ruthenaborane into [(Cp* <i>Ru</i> ) <sub>2</sub> B <sub>10</sub> H <sub>16</sub> ] with an Open Cluster Framework Based on a Capped Truncated Tetrahedron. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 2976-2978	3.6	8
24	Borane Mimics of Classic Organometallic Compounds: [(Cp* <i>Ru</i> )B <sub>8</sub> H <sub>14</sub> ( <i>Ru</i> Cp*)] <sub>0,+</sub> , Isoelectronic Analogues of Dinuclear Pentalene Complexes. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 6726-6729	3.6	10
23	Synthesis and characterization of hypoelectronic rhenaboranes. Analysis of the geometric and electronic structures of species following neither borane nor metal cluster electron-counting paradigms. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 3203-17	16.4	129
22	Transition-Metal Variation as a Probe of the Origins of Hypoelectronic Metallaboranes: Eight- and Ten-Vertex Open Ruthenaboranes. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 4826-4828	3.6	9
21	Transition-metal variation as a probe of the origins of hypoelectronic metallaboranes: eight- and ten-vertex open ruthenaboranes. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 4678-80	16.4	56
20	The Reaction of Cp* <i>Re</i> H <sub>6</sub> , Cp* = C <sub>5</sub> Me <sub>5</sub> , with Monoborane to Yield a Novel Rhenaborane. Synthesis and Characterization of arachno-Cp* <i>Re</i> H <sub>3</sub> B <sub>3</sub> H <sub>8</sub> . <i>Collection of Czechoslovak Chemical Communications</i> , <b>2002</b> , 67, 808-812		47
19	Synthesis of [(Cp* <i>Re</i> ) <sub>2</sub> B <sub>n</sub> H <sub>n</sub> ] n=8-10: Metal Boride Particles That Stretch the Cluster Structure Paradigms. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 1159-1162	3.6	5
18	Synthesis of. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 1125-1128	16.4	62
17	Synthesis and characterization of bicapped hexagonal bipyramidal 2,3-Cl(2)-1,8-[Cp* <i>Re</i> ] <sub>2</sub> B(6)H(4)[Cp* <i>Re</i> ] <sub>2</sub> [ $\mu$ - $\eta^6$ (6): $\eta^6$ (6)-1,2-B(6)H(4)Cl(2)], Cp* = $\eta^5$ -C(5)Me(5): the missing link connecting (p - 2) skeletal electron pair hypoelectronic rhenaboranes and 24-valence electron triple-decker complexes. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 9184-9	16.4	60
16	Metallaboranes of the earlier transition metals. An arachno nine-vertex, nine-skeletal electron pair rhenaborane of novel shape: importance of total vertex connectivities in such systems. <i>Chemical Communications</i> , <b>2001</b> , 895-896	5.8	50
15	Symmetrical Scission of the Coordinated Tetraborane in [(Cp* <i>Re</i> H <sub>2</sub> ) <sub>2</sub> B <sub>4</sub> H <sub>4</sub> ] on CO Addition and Reassociation of the Coordinated Diboranes on H <sub>2</sub> Loss. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 3022-3024	3.6	10
14	Symmetrical Scission of the Coordinated Tetraborane in. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 2900-2902	16.4	46
13	Comparison of the geometric and molecular orbital structures of (Cp* <i>Cr</i> ) <sub>2</sub> B <sub>4</sub> H <sub>8</sub> and (Cp* <i>Re</i> ) <sub>2</sub> B <sub>4</sub> H <sub>8</sub> , Cp*= $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> . Structural consequences of delocalized electronic unsaturation in a metallaborane cluster. <i>Journal of Organometallic Chemistry</i> , <b>2000</b> , 614-615, 92-98	2.3	49
12	Annulation With and Without CO-Insertion: Striking a Balance in Reactivity of Chromium Carbene Complexes with Chalcogen-Stabilized Iron Cluster Appendage. <i>Tetrahedron</i> , <b>2000</b> , 56, 4995-5000	2.4	5

11	Role of the transition metal in metallaborane chemistry. Reactivity of (Cp*ReH <sub>2</sub> ) <sub>2</sub> B <sub>4</sub> H <sub>4</sub> with BH <sub>3</sub> .thf, CO, and Co <sub>2</sub> (CO) <sub>8</sub> . <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 5373-82	5.1	51
10	Formation of vinyl ether derivatives in the reaction of tributyltin hydride with cluster supported Fischer carbene complexes: structural characterisation of [(CO) <sub>6</sub> Fe <sub>2</sub> Te <sub>2</sub> {(Ph)C(OEt)W(CO) <sub>5</sub> }. <i>Journal of Organometallic Chemistry</i> , <b>1999</b> , 578, 150-154	2.3	1
9	A Novel Coordinated Inorganic Benzene: Synthesis and Characterization of {C <sub>5</sub> Me <sub>5</sub> Re} <sub>2</sub> {B-B <sub>4</sub> H <sub>4</sub> Co <sub>2</sub> (CO) <sub>5</sub> }. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 7451-7452	16.4	53
8	Isolation and characterization of [Fe <sub>2</sub> (CO) <sub>6</sub> Se <sub>2</sub> {(CO) <sub>3</sub> Cr{C <sub>5</sub> (H)(CH <sub>2</sub> Ph)(Ph)(OEt)}], [(CO) <sub>6</sub> Fe <sub>2</sub> {EC(Ph)C(E)C(H)(OEt)}] <sub>2</sub> and [(CO) <sub>6</sub> Fe <sub>2</sub> {SC(H)(Ph)C(Te)C(H)(OEt)}] from the thermolysis of Fischer carbene adducts [(CO) <sub>6</sub> Fe <sub>2</sub> EE{EC(Ph)C(OEt)Cr(CO) <sub>5</sub> }] (E, E'=Se and Te). <i>Journal of Organometallic Chemistry</i> , <b>1999</b> , 578, 155-164	2.3	11
7	Annulation Reactions of Fischer Carbene Complexes Tethered on a Chalcogen-Stabilized Iron Carbonyl Cluster: Dependence of Reaction Pathway on Chalcogen Atom. <i>Organometallics</i> , <b>1998</b> , 17, 3926-3930	3.8	12
6	An Unusual Cyclopentaannulation Reaction: Thermolysis of an Unsaturated Fischer Carbene Complex Anchored on a Fe <sub>2</sub> (CO) <sub>6</sub> (Se) <sub>2</sub> Core. <i>Organometallics</i> , <b>1998</b> , 17, 770-772	3.8	14
5	Chemical Modification of the Metal-Carbene Appendage in New, Trimetallic Adducts of Fe <sub>2</sub> (CO) <sub>6</sub> (EE)(E = S, Se and E= Se, Te) and Alkynyl Fischer Carbene Complexes (CO) <sub>5</sub> MC(OEt)(C?CPh) (M = Cr, W). <i>Organometallics</i> , <b>1997</b> , 16, 4392-4398	3.8	36
4	Unusual Formation of Vinyl Ether Derivatives in the Reaction of Tributyltin Hydride with Fischer Carbene Complexes Anchored on a Chalcogen-Stabilized Iron Carbonyl Cluster. <i>Organometallics</i> , <b>1997</b> , 16, 6028-6031	3.8	13
3	Regioselective Addition of Mixed-Chalcogenide Iron Carbonyl Clusters Fe <sub>2</sub> (CO) <sub>6</sub> (EE)(E = S, Se, Te) to a Carbon-Carbon Triple Bond Activated by a Metal Carbene Fragment. Structural Characterization of New Trimetallic Adducts Fe <sub>2</sub> (CO) <sub>6</sub> {SC(Ph)C(Te)[(OEt)CCr(CO) <sub>5</sub> ]}, Fe <sub>2</sub> (CO) <sub>6</sub> {SC(Ph)C(Se)[(OEt)CW(CO) <sub>5</sub> ]}, and Fe <sub>2</sub> (CO) <sub>6</sub> {SeC(Ph)C(Te)[(OEt)CW(CO) <sub>5</sub> ]}. <i>Organometallics</i> , <b>1997</b> , 16, 3536-3540	3.8	20
2	Metal Coordinated Tri- and Tetraborane Analogues. <i>European Journal of Inorganic Chemistry</i> ,	2.3	1
1	Vertex-Fused Clusters Featuring a Flattened Butterfly. <i>Organometallics</i> ,	3.8	0