

K Geetharani

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Metallaboranes of the Early Transition Metals: Direct Synthesis and Characterization of $[(\eta^5\text{-C}_5\text{Me}_5)\text{Ta}]_2\text{BnHm}$ ($n=4, m=10; n=5, m=11$), $[(\eta^5\text{-C}_5\text{Me}_5)\text{Ta}]_2\text{B}_5\text{H}_{10}(\text{C}_6\text{H}_4\text{CH}_3)$, and $[(\eta^5\text{-C}_5\text{Me}_5)\text{TaCl}]_2\text{B}_5\text{H}_{11}$. <i>Chemistry - A European Journal</i> , 2008, 14, 9058-9064.	3.3	95
2	Fine Tuning of Metallaborane Geometries: Chemistry of Metallaboranes of Early Transition Metals Derived from Metal Halides and Monoborane Reagents. <i>Chemistry - A European Journal</i> , 2009, 15, 13483-13490.	3.3	86
3	Direct Synthetic Route to Functionalized 1,2-Azaborinines. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3500-3504.	13.8	86
4	From Metallaborane to Borylene Complexes: Syntheses and Structures of Triply Bridged Ruthenium and Tantalum Borylene Complexes. <i>Chemistry - A European Journal</i> , 2010, 16, 11357-11366.	3.3	76
5	Synthesis and Structural Characterization of New Divanada- and Diniobaboranes Containing Chalcogen Atoms. <i>Chemistry - A European Journal</i> , 2012, 18, 9983-9991.	3.3	73
6	Supraicosahedral Polyhedra in Metallaboranes: Synthesis and Structural Characterization of 12-, 15-, and 16-Vertex Rhodaboranes. <i>Inorganic Chemistry</i> , 2013, 52, 6705-6712.	4.0	71
7	The Reactivities of Iminoboranes with Carbenes: BN Isosteres of Carbene-Alkyne Adducts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1662-1665.	13.8	66
8	Chemistry of Vanadaboranes: Synthesis, Structures, and Characterization of Organovanadium Sulfide Clusters with Disulfido Linkage. <i>Inorganic Chemistry</i> , 2010, 49, 2881-2888.	4.0	64
9	An Efficient Route to Group 6 and 8 Metallaborane Compounds: Synthesis of $\langle i \rangle \text{arachno} \langle /i \rangle \{ \text{Cp}^* \text{Fe}(\text{CO}) \text{B}_{\langle sub \rangle 3} \text{H}_{\langle sub \rangle 8} \}$ and $\langle i \rangle \text{closo} \langle /i \rangle \{ (\text{Cp}^* \text{M})_{\langle sub \rangle 2} \text{B}_{\langle sub \rangle 5} \text{H}_{\langle sub \rangle 9} \}$ ($\text{M} = \text{Mo}, \text{W}$). <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1483-1487.	2.0	59
10	Cluster Expansion Reactions of Group 6 and 8 Metallaboranes Using Transition Metal Carbonyl Compounds of Groups 7-9. <i>Inorganic Chemistry</i> , 2011, 50, 5824-5832.	4.0	59
11	Synthesis, Characterization, and Electronic Structure of New Type of Heterometallic Boride Clusters. <i>Inorganic Chemistry</i> , 2011, 50, 9414-9422.	4.0	58
12	A Family of Heterometallic Cubane-Type Clusters with an $\langle i \rangle \text{exo} \langle /i \rangle \{ \text{Fe}(\text{CO})_{\langle sub \rangle 3} \}$ Fragment Anchored to the Cubane. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3908-3911.	13.8	57
13	Condensed Tantalaborane Clusters: Synthesis and Structures of $[(\text{Cp}^* \text{Ta})_{\langle sub \rangle 2} \text{B}_{\langle sub \rangle 5} \text{H}_{\langle sub \rangle 7} \{ \text{Fe}(\text{CO})_{\langle sub \rangle 3} \}_{\langle sub \rangle 2}]$ and $[(\text{Cp}^* \text{Ta})_{\langle sub \rangle 2} \text{B}_{\langle sub \rangle 5} \text{H}_{\langle sub \rangle 9} \{ \text{Fe}(\text{CO})_{\langle sub \rangle 3} \}_{\langle sub \rangle 4}]$. <i>Inorganic Chemistry</i> , 2011, 50, 2445-2449.	4.0	56
14	A Mechanistic Study of the Utilization of $\langle i \rangle \text{arachno} \langle /i \rangle \{ \text{Diruthenaborane} [(\text{Cp}^* \text{RuCO})_{\langle sub \rangle 2} \text{B}_{\langle sub \rangle 2} \text{H}_{\langle sub \rangle 6}] \}$ as an Active Alkyne-Cyclotrimerization Catalyst. <i>Chemistry - A European Journal</i> , 2012, 18, 8482-8489.	3.3	55
15	Unusual Organic Chemistry of a Metallaborane Substrate: Formation of a Tantalaborane Complex with a Bridging Acyl Group ($\eta^4\text{-I}^{\langle sup \rangle 2}$). <i>Inorganic Chemistry</i> , 2010, 49, 6375-6377.	4.0	52
16	Synthesis and Characterization of Hypoelectronic Tantalaboranes: Comparison of the Geometric and Electronic Structures of $[(\text{Cp}^* \text{TaX})_{\langle sub \rangle 2} \text{B}_{\langle sub \rangle 5} \text{H}_{\langle sub \rangle 11}]$ ($\text{X} = \text{Cl}, \text{Br}, \text{and I}$). <i>Inorganic Chemistry</i> , 2012, 51, 10176-10184.	4.0	51
17	Efficient Synthesis of Aryl Boronates via Cobalt-Catalyzed Borylation of Aryl Chlorides and Bromides. <i>ACS Catalysis</i> , 2018, 8, 4049-4054.	11.2	50
18	Synthesis of Functionalized 1,4-Azaborinines by the Cyclization of Di- $\langle i \rangle \text{tert} \langle /i \rangle$ -butyliminoborane and Alkynes. <i>Journal of the American Chemical Society</i> , 2016, 138, 8212-8220.	13.7	46

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19	Lewis acid catalysis: regioselective hydroboration of alkynes and alkenes promoted by scandium triflate. <i>Chemical Communications</i> , 2018, 54, 13690-13693.	4.1	43
20	Markovnikov-Selective Co(I)-Catalyzed Hydroboration of Vinylarenes and Carbonyl Compounds. <i>Organic Letters</i> , 2018, 20, 7840-7845.	4.6	42
21	Efficient hydroboration of carbonyls by an iron(ii) amide catalyst. <i>Dalton Transactions</i> , 2018, 47, 9231-9236.	3.3	42
22	Chemistry of Homo- and Heterometallic Bridged-Borylene Complexes. <i>Organometallics</i> , 2013, 32, 2705-2712.	2.3	40
23	A nano-catalytic approach for C=C bond formation reactions. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 857-873.	2.8	29
24	Zinc-Catalysed Hydroboration of Terminal and Internal Alkynes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4553-4556.	3.3	27
25	Spontaneous Metal-Free Transfer Hydrogenation of Iminoboranes with Ammonia Borane and Amine Boranes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12275-12279.	13.8	25
26	Transition-metal-free trifluoromethylative difunctionalization of olefins and alkynes: approaches and challenges ahead. <i>Catalysis Science and Technology</i> , 2020, 10, 7142-7159.	4.1	23
27	Cobalt(I)-Catalyzed Borylation of Unactivated Alkyl Bromides and Chlorides. <i>Organic Letters</i> , 2020, 22, 1431-1436.	4.6	23
28	Reusable Fe ₂ O ₃ -nanoparticle catalysed efficient and selective hydroboration of carbonyl compounds. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3520-3525.	4.5	22
29	Synthesis and Characterization of Novel Ruthenaferrocaboranes from Photoinsertion of Alkynes into a Ruthenaferrocaborane. <i>Organometallics</i> , 2012, 31, 6381-6387.	2.3	14
30	A new entry into ferraborane chemistry: Synthesis and characterization of heteroferraborane complexes. <i>Inorganica Chimica Acta</i> , 2011, 372, 42-46.	2.4	12
31	Synthesis and structural characterization of group 5 dimetallaheteroboranes. <i>Journal of Organometallic Chemistry</i> , 2013, 747, 249-253.	1.8	11
32	Spontaner metallfreier Wasserstofftransfer zwischen Amminboranen und Iminoboranen. <i>Angewandte Chemie</i> , 2018, 130, 12455-12459.	2.0	10
33	Iron-Based Catalyst for Borylation of Unactivated Alkyl Halides without Using Highly Basic Organometallic Reagents. <i>Journal of Organic Chemistry</i> , 2021, 86, 1948-1954.	3.2	9
34	Heterometallic cubane-type clusters containing group 13 and 16 elements. <i>Pure and Applied Chemistry</i> , 2012, 84, 2233-2241.	1.9	5
35	Ring expansion of a Cp moiety upon CO insertion: Synthesis and characterization of [(1-6-C ₆ H ₅ OCo)Co ₃ (CO) ₉]. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2567-2571.	1.8	4
36	Homolytic cleavage of diboron(4) compounds using diazabutadiene derivatives. <i>Chemical Communications</i> , 2021, 57, 7886-7889.	4.1	3

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37	Synthesis and Structure of $[\text{Cp}^*\text{Ru}(\text{CO})_2(\eta^4\text{-H})\{\text{RuFe}_3(\text{CO})_9\}]$: An Unusual Mixed-Metal Tetrahedral Cluster with an Exopolyhedral Metal Fragment. <i>Organometallics</i> , 2011, 30, 191-194.	2.3	2
38	Synthesis and structural characterization of diruthenium cluster containing germylene ligand. <i>Journal of Organometallic Chemistry</i> , 2013, 731, 18-22.	1.8	2
39	11 Nanocatalyzed Borylation Reactions. , 2020, , .		0