K Geetharani

List of Publications by Year
in descending order

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39	1,550	257450	302126
papers	citations	24 h-index	39 g-index

41	41	41	750
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iron-Based Catalyst for Borylation of Unactivated Alkyl Halides without Using Highly Basic Organometallic Reagents. Journal of Organic Chemistry, 2021, 86, 1948-1954.	3.2	9
2	Homolytic cleavage of diboron(4) compounds using diazabutadiene derivatives. Chemical Communications, 2021, 57, 7886-7889.	4.1	3
3	Transition-metal-free trifluoromethylative difunctionalization of olefins and alkynes: approaches and challenges ahead. Catalysis Science and Technology, 2020, 10, 7142-7159.	4.1	23
4	Cobalt(I)-Catalyzed Borylation of Unactivated Alkyl Bromides and Chlorides. Organic Letters, 2020, 22, 1431-1436.	4.6	23
5	11 Nanocatalyzed Borylation Reactions. , 2020, , .		0
6	Zincâ€Catalysed Hydroboration of Terminal and Internal Alkynes. Chemistry - an Asian Journal, 2019, 14, 4553-4556.	3.3	27
7	Efficient Synthesis of Aryl Boronates via Cobalt-Catalyzed Borylation of Aryl Chlorides and Bromides. ACS Catalysis, 2018, 8, 4049-4054.	11.2	50
8	A nano-catalytic approach for Câ€“B bond formation reactions. Organic and Biomolecular Chemistry, 2018, 16, 857-873.	2.8	29
9	Reusable Fe₂O₃-nanoparticle catalysed efficient and selective hydroboration of carbonyl compounds. Organic Chemistry Frontiers, 2018, 5, 3520-3525.	4.5	22
10	Lewis acid catalysis: regioselective hydroboration of alkynes and alkenes promoted by scandium triflate. Chemical Communications, 2018, 54, 13690-13693.	4.1	43
11	Markovnikov-Selective Co(I)-Catalyzed Hydroboration of Vinylarenes and Carbonyl Compounds. Organic Letters, 2018, 20, 7840-7845.	4.6	42
12	Spontaneous Metalâ€Free Transfer Hydrogenation of Iminoboranes with Ammonia Borane and Amine Boranes. Angewandte Chemie - International Edition, 2018, 57, 12275-12279.	13.8	25
13	Spontaner metallfreier Wasserstofftransfer zwischen Amminboranen und Iminoboranen. Angewandte Chemie, 2018, 130, 12455-12459.	2.0	10
14	Efficient hydroboration of carbonyls by an iron(ii) amide catalyst. Dalton Transactions, 2018, 47, 9231-9236.	3.3	42
15	Synthesis of Functionalized 1,4-Azaborinines by the Cyclization of Di-tert-butyliminoborane and Alkynes. Journal of the American Chemical Society, 2016, 138, 8212-8220.	13.7	46
16	The Reactivities of Iminoboranes with Carbenes: BN Isosteres of Carbeneâ€“Alkyne Adducts. Angewandte Chemie - International Edition, 2015, 54, 1662-1665.	13.8	66
17	Direct Synthetic Route to Functionalized 1,2â€Azaborinines. Angewandte Chemie - International Edition, 2014, 53, 3500-3504.	13.8	86
18	Synthesis and structural characterization of group 5 dimetallaheteroboranes. Journal of Organometallic Chemistry, 2013, 747, 249-253.	1.8	11

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19	Synthesis and structural characterization of diruthenium cluster containing germylene ligand. Journal of Organometallic Chemistry, 2013, 731, 18-22.	1.8	2
20	Chemistry of Homo- and Heterometallic Bridged-Borylene Complexes. Organometallics, 2013, 32, 2705-2712.	2.3	40
21	Supraicosahedral Polyhedra in Metallaboranes: Synthesis and Structural Characterization of 12-, 15-, and 16-Vertex Rhodaboranes. Inorganic Chemistry, 2013, 52, 6705-6712.	4.0	71
22	Heterometallic cubane-type clusters containing group 13 and 16 elements. Pure and Applied Chemistry, 2012, 84, 2233-2241.	1.9	5
23	Synthesis and Characterization of Novel Ruthenaferracarboranes from Photoinsertion of Alkynes into a Ruthenaferraborane. Organometallics, 2012, 31, 6381-6387.	2.3	14
24	Synthesis and Characterization of Hypoelectronic Tantalaboranes: Comparison of the Geometric and Electronic Structures of [(Cp*TaX)₂B₅H₁₁] (X = Cl, Br, and I). Inorganic Chemistry, 2012, 51, 10176-10184.	4.0	51
25	Synthesis and Structural Characterization of New Divanadaâ€•and Diniobaboranes Containing Chalcogen Atoms. Chemistry - A European Journal, 2012, 18, 9983-9991.	3.3	73
26	A Mechanistic Study of the Utilization of arachnoâ€Diruthenaborane [(Cp*RuCO)₂B₂H₆] as an Active Alkyneâ€Cyclotrimerization Catalyst. Chemistry - A European Journal, 2012, 18, 8482-8489.	3.3	55
27	Synthesis and Structure of [Cp*Ru(CO)₂(Î¼-H){RuFe₃(CO)₉}]: An Unusual Mixed-Metal Tetrahedral Cluster with an Exopolyhedral Metal Fragment. Organometallics, 2011, 30, 191-194.	2.3	2
28	Cluster Expansion Reactions of Group 6 and 8 Metallaboranes Using Transition Metal Carbonyl Compounds of Groups 7â€“9. Inorganic Chemistry, 2011, 50, 5824-5832.	4.0	59
29	Synthesis, Characterization, and Electronic Structure of New Type of Heterometallic Boride Clusters. Inorganic Chemistry, 2011, 50, 9414-9422.	4.0	58
30	Condensed Tantalaborane Clusters: Synthesis and Structures of [(Cp*Ta)₂B₅H₇{Fe(CO)₃}₂] and [(Cp*Ta)₂B₅H₉{Fe(CO)₃}₄]. Inorganic Chemistry, 2011, 50, 2445-2449.	4.0	56
31	A new entry into ferraborane chemistry: Synthesis and characterization of heteroferraborane complexes. Inorganica Chimica Acta, 2011, 372, 42-46.	2.4	12
32	A Family of Heterometallic Cubaneâ€Type Clusters with an exoâ€Fe(CO)₃ Fragment Anchored to the Cubane. Angewandte Chemie - International Edition, 2011, 50, 3908-3911.	13.8	57
33	From Metallaborane to Borylene Complexes: Syntheses and Structures of Triply Bridged Ruthenium and Tantalum Borylene Complexes. Chemistry - A European Journal, 2010, 16, 11357-11366.	3.3	76
34	Ring expansion of a Cp moiety upon CO insertion: Synthesis and characterization of [(Î·6-C6H5OCo)Co3(CO)9]. Journal of Organometallic Chemistry, 2010, 695, 2567-2571.	1.8	4
35	Chemistry of Vanadaboranes: Synthesis, Structures, and Characterization of Organovanadium Sulfide Clusters with Disulfido Linkage. Inorganic Chemistry, 2010, 49, 2881-2888.	4.0	64
36	Unusual Organic Chemistry of a Metallaborane Substrate: Formation of a Tantalaborane Complex with a Bridging Acyl Group (Î¼-Î·²). Inorganic Chemistry, 2010, 49, 6375-6377.	4.0	52

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37	Fine Tuning of Metallaborane Geometries: Chemistry of Metallaboranes of Early Transition Metals Derived from Metal Halides and Monoborane Reagents. Chemistry - A European Journal, 2009, 15, 13483-13490.	3.3	86
38	An Efficient Route to Group 6 and 8 Metallaborane Compounds: Synthesis of arachnoâ€¦[Cp*Fe(CO)B₃H₈] and closoâ€¦[(Cp*M)₂B₅H₉] (M = Mo, W). European Journal of Inorganic Chemistry, 2009, 2009, 1483-1487.	2.0	59
39	Metallaboranes of the Early Transition Metals: Direct Synthesis and Characterization of [{(Î·5-C5Me5)Ta}2BnHm] (n=4,m=10;n=5,m=11), [{(Î·5-C5Me5)Ta}2B5H10(C6H4CH3)], and [{(Î·5-C5Me5)TaCl}2B5H11]. Chemistry - A European Journal, 2008, 14, 9058-9064.	3.3	95