

Shubhankar Kumar Bose

List of Publications by Year in descending order

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45
papers

2,438
citations

201674

27
h-index

197818

49
g-index

55
all docs

55
docs citations

55
times ranked

1121
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc-Catalyzed Borylation of Primary, Secondary and Tertiary Alkyl Halides with Alkoxy Diboron Reagents at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1799-1803.	13.8	204
2	First-Row d-Block Element-Catalyzed Carbon-Boron Bond Formation and Related Processes. <i>Chemical Reviews</i> , 2021, 121, 13238-13341.	47.7	163
3	Recent advances in the catalytic hydroboration of carbonyl compounds. <i>Catalysis Science and Technology</i> , 2019, 9, 3307-3336.	4.1	150
4	Zinc-Catalyzed Dual C-X and C-H Borylation of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11843-11847.	13.8	123
5	Highly Efficient Synthesis of Alkylboronate Esters via Cu(II)-Catalyzed Borylation of Unactivated Alkyl Bromides and Chlorides in Air. <i>ACS Catalysis</i> , 2016, 6, 8332-8335.	11.2	118
6	Efficient Synthesis of Aryl Boronates via Zinc-Catalyzed Cross-Coupling of Alkoxy Diboron Reagents with Aryl Halides at Room Temperature. <i>Organic Letters</i> , 2014, 16, 4562-4565.	4.6	102
7	Metallaboranes of the Early Transition Metals: Direct Synthesis and Characterization of $[(\text{i-5-C5Me5})\text{Ta}]_2\text{BnHm}$ ($n=4, m=10; n=5, m=11$), $[(\text{i-5-C5Me5})\text{Ta}]_2\text{B5H10}(\text{C6H4CH3})$, and $[(\text{i-5-C5Me5})\text{TaCl}]_2\text{B5H11}$. <i>Chemistry - A European Journal</i> , 2008, 14, 9058-9064.	3.3	95
8	Boron Beyond the Icosahedral Barrier: A 16-Vertex Metallaborane. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3222-3226.	13.8	93
9	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
10	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
11	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
12	Linked and Fused Tungstaborane Clusters: Synthesis, Characterization, and Electronic Structures of $\text{bis}(\text{i-5-C5Me5})\text{W}_2\text{B}_5\text{H}_8$ and $(\text{i-5-C5Me5})_2\text{W}_2\{\text{Fe}(\text{CO})_3\}_n\text{B}_6$ ($n=0, 1$). <i>Organometallics</i> , 2007, 26, 5377-5385.	2.3	64
13	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
14	Acyloboranes: synthetic strategies and applications. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1738-1752.	2.8	62
15	Synthesis and Structure of Dirhodium Analogue of Octaborane-12 and Decaborane-14. <i>Inorganic Chemistry</i> , 2012, 51, 10715-10722.	4.0	61
16	An Efficient Route to Group 6 and 8 Metallaborane Compounds: Synthesis of $\text{arachno}(\text{i-5-C5Me5})_2\text{Cp}^*\text{Fe}(\text{CO})\text{B}_3\text{H}_8$ and $\text{closo}(\text{i-5-C5Me5})_2\text{Cp}^*\text{M}_2\text{B}_5\text{H}_9$ ($M = \text{Mo}, \text{W}$). <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1483-1487.	2.0	59
17	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
18	Synthesis, Characterization, and Electronic Structure of New Type of Heterometallic Boride Clusters. <i>Inorganic Chemistry</i> , 2011, 50, 9414-9422.	4.0	58

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19	A Family of Heterometallic Cubane-Type Clusters with an <i>exo</i> -Fe(CO) ₃ Fragment Anchored to the Cubane. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3908-3911.	13.8	57
20	C-H activation of arenes and heteroarenes by early transition metallaborane, [(Cp*Ta)2B5H11] (Cp* = C_5Me_5). <i>Overlock</i> 1	4.1	56
21	Condensed Tantalaborane Clusters: Synthesis and Structures of [(Cp*Ta) ₂ B ₅ H ₇ {Fe(CO) ₃ }] ₂ and [(Cp*Ta) ₂ B ₅ H ₉ {Fe(CO) ₃ }] ₄ . <i>Inorganic Chemistry</i> , 2011, 50, 2445-2449.	4.0	56
22	A leap ahead for activating C-H bonds. <i>Science</i> , 2015, 349, 473-474.	12.6	54
23	Syntheses and Characterization of New Vinyl-Borylene Complexes by the Hydroboration of Alkynes with [(η^3 -BH)(Cp*RuCO) ₂ (η^4 -CO)Fe(CO) ₃]. <i>Chemistry - A European Journal</i> , 2013, 19, 2337-2343.	3.3	53
24	Unusual Organic Chemistry of a Metallaborane Substrate: Formation of a Tantalaborane Complex with a Bridging Acyl Group (η^4 - η^2). <i>Inorganic Chemistry</i> , 2010, 49, 6375-6377.	4.0	52
25	Theoretical and Experimental Investigations on Hypoelectronic Heterodimetallaboranes of Group 6 Transition Metals. <i>Inorganic Chemistry</i> , 2012, 51, 10375-10383.	4.0	49
26	Iridium-Catalyzed Borylation of Pyrene: Irreversibility and the Influence of Ligand on Selectivity. <i>Journal of Organic Chemistry</i> , 2015, 80, 661-665.	3.2	42
27	A nano-catalytic approach for C-B bond formation reactions. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 857-873.	2.8	29
28	Metallaheteroborane clusters of group 5 transition metals derived from dichalcogenide ligands. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3121-3126.	1.8	28
29	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
30	Hydroboration of Enynes and Mechanistic Insights. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4174-4188.	4.3	20
31	Efficient synthesis of alkylboronic esters <i>via</i> magnetically recoverable copper nanoparticle-catalyzed borylation of alkyl chlorides and bromides. <i>Green Chemistry</i> , 2020, 22, 2799-2803.	9.0	16
32	A new entry into ferraborane chemistry: Synthesis and characterization of heteroferraborane complexes. <i>Inorganica Chimica Acta</i> , 2011, 372, 42-46.	2.4	12
33	Recyclable Copper Nanoparticles-Catalyzed Hydroboration of Alkenes and η^2 -Borylation of η^2 -Unsaturated Carbonyl Compounds with Bis(Pinacolato)Diboron. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2408-2416.	4.3	11
34	Bonding Relationship between Silicon and Germanium with Group 13 and Heavier Elements of Groups 14-16. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3784-3806.	3.3	10
35	Transition metal chemistry of heavier group 14 congener triple-bonded complexes: syntheses and reactivity. <i>Dalton Transactions</i> , 2020, 49, 17055-17075.	3.3	10
36	Novel 11-Vertex, 11-Skeletal Electron Pair Tantalaborane of Unusual Shape. <i>Organometallics</i> , 2011, 30, 4788-4791.	2.3	8

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37	Heterometallic cubane-type clusters containing group 13 and 16 elements. Pure and Applied Chemistry, 2012, 84, 2233-2241.	1.9	5
38	An eleven-vertex metallaborane with tetracapped pentagonal bipyramidal geometry. Dalton Transactions, 2012, 41, 3627.	3.3	5
39	CeO ₂ nanocubes as efficient and selective catalysts for the hydroboration of carbonyl groups. New Journal of Chemistry, 2021, 45, 15028-15034.	2.8	5
40	Recent advances in the chemistry of the phosphaehtynolate and arsaethynolate anions. Dalton Transactions, 2022, 51, 3778-3806.	3.3	5
41	Ring expansion of a Cp moiety upon CO insertion: Synthesis and characterization of [(η -6-C ₆ H ₅ OCo)Co ₃ (CO) ₉]. Journal of Organometallic Chemistry, 2010, 695, 2567-2571.	1.8	4
42	Synthesis and characterization of novel eleven-vertex dimetallaheteroborane clusters containing Heavier group 16 elements. Journal of Organometallic Chemistry, 2012, 721-722, 42-48.	1.8	3
43	Synthesis and Structure of [Cp*Ru(CO) ₂ (η -4-H){RuFe ₃ (CO) ₉ }] : An Unusual Mixed-Metal Tetrahedral Cluster with an Exopolyhedral Metal Fragment. Organometallics, 2011, 30, 191-194.	2.3	2
44	Correction to Theoretical and Experimental Investigations on Hypoelectronic Heterodimetallaboranes of Group 6 Transition Metals. Inorganic Chemistry, 2013, 52, 7305-7305.	4.0	1
45	11 Nanocatalyzed Borylation Reactions. , 2020, , .		0