

Dipak Kumar Roy

List of Publications by Citations

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44
papers

963
citations

17
h-index

30
g-index

45
ext. papers

1,133
ext. citations

5
avg, IF

4.38
L-index

#	Paper	IF	Citations
44	Recent Developments in Azaborinine Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4353-4368	2.3	125
43	Boron beyond the icosahedral barrier: a 16-vertex metallaborane. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3222-6	16.4	84
42	Reactivity of diruthenium and dirhodium analogues of pentaborane(9): agostic versus boratrane complexes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2873-7	16.4	65
41	Synthesis and structural characterization of new divanada- and diniobaboranes containing chalcogen atoms. <i>Chemistry - A European Journal</i> , 2012 , 18, 9983-91	4.8	65
40	Supraicosahedral polyhedra in metallaboranes: synthesis and structural characterization of 12-, 15-, and 16-vertex rhodaboranes. <i>Inorganic Chemistry</i> , 2013 , 52, 6705-12	5.1	62
39	Synthesis and structure of dirhodium analogue of octaborane-12 and decaborane-14. <i>Inorganic Chemistry</i> , 2012 , 51, 10715-22	5.1	55
38	Syntheses and characterization of new vinyl-borylene complexes by the hydroboration of alkynes with $[(\text{B}-\text{BH})(\text{Cp}^*\text{RuCO})_2(\text{ECO})\text{Fe}(\text{CO})_3]$. <i>Chemistry - A European Journal</i> , 2013 , 19, 2337-43	4.8	45
37	New Routes to a Series of EBorane/Borate Complexes of Molybdenum and Ruthenium. <i>Chemistry - A European Journal</i> , 2015 , 21, 17191-5	4.8	43
36	Chemistry of diruthenium and dirhodium analogues of pentaborane(9): synthesis and characterization of metal <i>n,s</i> -heterocyclic carbene and B-agostic complexes. <i>Chemistry - A European Journal</i> , 2015 , 21, 3640-8	4.8	36
35	A fine tuning of metallaborane to bridged-boryl complex, $[(\text{Cp}^*\text{Ru})_2(\text{EH})(\text{ECO})(\text{EBcat})]$ (cat = 1,2-O ₂ C ₆ H ₄ ; Cp* = C_5Me_5). <i>Dalton Transactions</i> , 2013 , 42, 12828-31	4.3	32
34	Chemistry of Homo- and Heterometallic Bridged-Borylene Complexes. <i>Organometallics</i> , 2013 , 32, 2705-2712	3.2	32
33	New Outcomes of Beryllium Chemistry: Lewis Base Adducts for Salt Elimination Reactions. <i>Inorganic Chemistry</i> , 2019 , 58, 2652-2658	5.1	27
32	Beyond the Icosahedron: The Quest for High-Nuclearity Supraicosahedral Metallaboranes. <i>Journal of Cluster Science</i> , 2014 , 25, 225-237	3	25
31	Reactivity of Diruthenium and Dirhodium Analogues of Pentaborane(9): Agostic versus Boratrane Complexes. <i>Angewandte Chemie</i> , 2014 , 126, 2917-2921	3.6	23
30	New heteronuclear bridged borylene complexes that were derived from $[(\text{Cp}^*\text{CoCl})_2]$ and mono-metal-carbonyl fragments. <i>Chemistry - A European Journal</i> , 2013 , 19, 15219-25	4.8	22
29	Chemistry of N,S-Heterocyclic Carbene and Metallaboratrane Complexes: A New $(\text{B})\text{-BCC-Borataallyl}$ Complex. <i>Chemistry - A European Journal</i> , 2015 , 21, 13732-8	4.8	22
28	A novel heterometallic B-boride cluster: synthesis and structural characterization of $[(\text{B})\text{-C}_5\text{Me}_5\text{Rh})_2\{\text{Co}_6(\text{CO})_{12}\}(\text{EH})(\text{BH})\text{B}]$. <i>Inorganic Chemistry</i> , 2014 , 53, 667-9	5.1	18

27	Boron Beyond the Icosahedral Barrier: A 16-Vertex Metallaborane. <i>Angewandte Chemie</i> , 2013 , 125, 3304-3308	3.8	16
26	Borate-based ligands with soft heterocycles and their ruthenium complexes. <i>Journal of Organometallic Chemistry</i> , 2015 , 799-800, 132-137	2.3	13
25	Novel Neutral Zirconaborane [(Cp ₂ Zr)2B ₅ H ₁₁]: An arachno-B ₃ H ₉ Analogue (Cp = η-C ₅ H ₅). <i>Organometallics</i> , 2015 , 34, 908-912	3.8	13
24	Reactivity of Dirhodium Analogues of Octaborane-12 and Decaborane-14 towards Transition-Metal Moieties. <i>Organometallics</i> , 2013 , 32, 1964-1970	3.8	12
23	Hypoelectronic 8-11-Vertex Irida- and Rhodaboranes. <i>Inorganic Chemistry</i> , 2016 , 55, 4764-70	5.1	11
22	Isolation and Reactivity of an Antiaromatic s-Block Metal Compound. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3812-3819	16.4	11
21	Synthesis and structural characterization of group 5 dimetallaheteroboranes. <i>Journal of Organometallic Chemistry</i> , 2013 , 747, 249-253	2.3	9
20	Steric Effects Dictate the Formation of Terminal Arylborylene Complexes of Ruthenium from Dihydroboranes. <i>Chemistry - A European Journal</i> , 2019 , 25, 13566-13571	4.8	8
19	Recent Advances in the Synthesis and Reactivity of Transition Metal η-Borane/Borate Complexes. <i>Accounts of Chemical Research</i> , 2021 , 54, 1260-1273	24.3	8
18	First Bis(η ² -Borane) Complexes of Group 6 Transition Metals: Experimental and Theoretical Studies. <i>Chemistry - A European Journal</i> , 2019 , 25, 8585-8589	4.8	7
17	An Early/Late Transition Metal Hybrid Analogue of Hexaborane(12). <i>Organometallics</i> , 2013 , 32, 4618-4623	3.8	7
16	Transition-metal variation as a probe into the catalytic activity of metallaboranes. <i>Journal of Organometallic Chemistry</i> , 2013 , 733, 79-81	2.3	7
15	Selective one- and two-electron reductions of a haloborane enabled by a η-withdrawing carbene ligand. <i>Chemical Communications</i> , 2018 , 54, 9015-9018	5.8	7
14	Homometallic Cubane Clusters: Participation of Three-Coordinated Hydrogen in 60-Valence Electron Cubane Core. <i>Inorganic Chemistry</i> , 2015 , 54, 8673-8	5.1	6
13	Chemistry of group 9 dimetallaborane analogues of octaborane(12). <i>Dalton Transactions</i> , 2015 , 44, 669-763	4.3	6
12	Synthesis and Characterization of Bis(σ)borate and Bis(σ)witterionic Complexes of Rhodium and Iridium. <i>ChemistrySelect</i> , 2016 , 1, 3757-3761	1.8	5
11	Chemistry of Rh-N,S heterocyclic carbene complexes. <i>Journal of Organometallic Chemistry</i> , 2016 , 811, 8-13	2.3	5
10	Toward Transition-Metal-Templated Construction of Arylated B Chains by Dihydroborane Dehydrocoupling. <i>Chemistry - A European Journal</i> , 2019 , 25, 16544	4.8	5

9	Fused metallaborane clusters of group 9 and 8 transition metals. <i>Journal of Organometallic Chemistry</i> , 2014 , 772-773, 242-247	2.3	5
8	Chemistry of early and late transition metallaboranes: synthesis and structural characterization of periodinated dimolybdaborane [(Cp*Mo) ₂ B ₄ H ₃ I ₅]. <i>Pure and Applied Chemistry</i> , 2015 , 87, 195-204	2.1	5
7	Isolierung und Reaktivität eines s-Block-Metall-Antiaromaten. <i>Angewandte Chemie</i> , 2021 , 133, 3856-3863	3.6	5
6	Synthesis, Characterization and Electronic Structures of Rh and Co analogs of Decaborane-14. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2014 , 84, 121-130	0.9	4
5	Mixed-metal chalcogenide tetrahedral clusters with an exo-polyhedral metal fragment. <i>Dalton Transactions</i> , 2014 , 43, 17184-90	4.3	3
4	Heterodimetallaboranes of Group 4 and 9 Metals: Analogues of Pentaborane(11) and Hexaborane(12). <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4452-4458	2.3	1
3	Group 5 Metal-Metal Bonds 2015 , 91-137		1
2	Synthesis and structural characterization of diruthenium cluster containing germylene ligand. <i>Journal of Organometallic Chemistry</i> , 2013 , 731, 18-22	2.3	1
1	Cover Feature: Recent Developments in Azaborinine Chemistry (Eur. J. Inorg. Chem. 38-39/2017). <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4347-4347	2.3	