Ramon Macias

List of Publications by Year
in descending order

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55	737	471061	642321
papers	citations	17	23
		h-index	g-index

58	58	58	364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Macropolyhedral Chalcogenaboranes: Insertion of Selenium into the Isomers of B18H22. Inorganic Chemistry, 2022, 61, 1899-1917.	1.9	3
2	A simple and high-yield route to iridium, rhodium, osmium and rutheniumnido-6-metalladecaborane compounds. Dalton Transactions, 2021, 50, 16751-16764.	1.6	3
3	Ligand Lability Driven by Metal-to-Borane Pseudorotation: A Mechanism for Ligand Exchange. Inorganic Chemistry, 2020, 59, 17958-17969.	1.9	3
4	Macropolyhedral Nickelaboranes from the Metal-Assisted Fusion of KB₉H₁₄. Inorganic Chemistry, 2019, 58, 13258-13267.	1.9	12
5	Decaborane anion tautomerism: ion pairing and proton transfer control. Dalton Transactions, 2018, 47, 5850-5859.	1.6	6
6	Reactions of Unsaturated Organic Molecules and H₂ on Metallaboranes and Metallathiaboranes with Full Metalâ€“Boraneâ€“Ligand Cooperation. , 2018, , 81-116.		3
7	From Imidazole toward Imidazolium Salts and N-Heterocyclic Carbene Ligands: Electronic and Geometrical Redistribution. ACS Omega, 2017, 2, 1392-1399.	1.6	26
8	Reversible Smallâ€Molecule Interactions with Coordinatively Unsaturated Metal Centers Held in Metallathiaborane Clusters. European Journal of Inorganic Chemistry, 2017, 2017, 4599-4617.	1.0	8
9	Postsynthetic modifications of [2,2,2-(H)(PPh3)2-closo-2,1-RhSB8H8] with Lewis bases: cluster modular tuning. Dalton Transactions, 2016, 45, 8622-8636.	1.6	3
10	Rhodathiaborane reaction cycles driven by C2H4 and H2: synthesis and characterization of [(H)2(PPh3)RhSB8H7(PPh3)] and [(Î·2-C2H4)(PPh3)RhSB8H7(PPh3)]. Dalton Transactions, 2015, 44, 5041-5044.	1.6	4
11	[1,1-(Î·2-dppe)-3-(NC5H5)-closo-1,2-RhSB9H8]: conformational lability and reactivity with H2 upon protonation. Dalton Transactions, 2015, 44, 9004-9013.	1.6	4
12	Do agostic interactions play a role in the stabilization of the nido structure of [(PPh3)2RhSB9H10]?. Journal of Organometallic Chemistry, 2014, 761, 120-122.	0.8	10
13	NH₃-Promoted Ligand Lability in Eleven-Vertex Rhodathiaboranes. Inorganic Chemistry, 2014, 53, 12428-12436.	1.9	8
14	Unusual cationic rhodathiaboranes: synthesis and characterization of [8,8,8-(H)(PR₃)₂-9-(Py)-nido-8,7-RhSB₉H₁₀]⁺and [1,3-Î¼-(H)-1,1-(PR₃)₂-3-(Py)-isonido-1,2-RhSB₉H₈]⁺. Dalton Transactions, 2014, 43, 5121-5133.	1.6	5
15	Hydridorhodathiaboranes: Synthesis, Characterization, and Reactivity. Organometallics, 2014, 33, 3137-3153.	1.1	6
16	3-Pyridylacetonitrile-ligated 11-vertex rhodathiaboranes: synthesis, characterization, and X-ray crystal structure. Journal of Coordination Chemistry, 2014, 67, 4016-4027.	0.8	3
17	Reactions of 11-Vertex Rhodathiaboranes with HCl: Synthesis and Reactivity of New Cl-Ligated Clusters. Inorganic Chemistry, 2013, 52, 211-221.	1.9	9
18	Protonâ€Assisted Hydrogen Activation on Polyhedral Cations. Chemistry - A European Journal, 2013, 19, 3905-3912.	1.7	10

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19	Heterolytic H2 activation on a carbene-ligated rhodathiaborane promoted by isonido-nido cage opening. Chemical Communications, 2013, 49, 9863.	2.2	11
20	Isonitrile ligand effects on small-molecule-sequestering in bimetalladodecaborane clusters. Journal of Organometallic Chemistry, 2013, 747, 76-84.	0.8	7
21	Decaborane Thiols as Building Blocks for Self-Assembled Monolayers on Metal Surfaces. Inorganic Chemistry, 2012, 51, 1685-1694.	1.9	23
22	Synthesis and characterization of new 10- and 12-vertex CO-ligated metallathiaboranes. Journal of Organometallic Chemistry, 2012, 721-722, 23-30.	0.8	6
23	BrÃ¸nsted Acid/Base Driven Chemistry with Rhodathiaboranes: A Labile {SB9H9}â€“Thiadecaborane Fragment System. Organometallics, 2012, 31, 2526-2529.	1.1	11
24	Facile two-electron reduction of a closo-rhodathiadecaborane. Dalton Transactions, 2012, 41, 11627.	1.6	11
25	Modification of [8,8,8-(H)(PPh3)2-9-(Py)-nido-8,7-RhSB9H9], Py = NC5H5, with Monodentate Phosphines: Reactivity and Mechanistic Insights. Organometallics, 2012, 31, 2986-2995.	1.1	10
26	Chemistry of 11-vertex rhodathiaboranes: reactions with monodentate phosphines. Dalton Transactions, 2011, 40, 6555.	1.6	14
27	Reversible Capture of Small Molecules On Bimetallaborane Clusters: Synthesis, Structural Characterization, and Photophysical Aspects. Inorganic Chemistry, 2011, 50, 7511-7523.	1.9	19
28	A DFT and crystallographic reinvestigation of the [L2RuC2B7H9] and [L3RuC2B7H9] â€˜hyperclosoâ€™ and closo systems. Polyhedron, 2011, 30, 2140-2145.	1.0	9
29	New Iridathiaboranes with ReversibleIsonidoâ†”NidoCluster Flexibility. Inorganic Chemistry, 2010, 49, 7353-7361.	1.9	16
30	Alkyne-Promoted H2Loss in a Metallaborane:Nido-to-ClosoCluster Transformation and spâ€…Cï£¿H Bond Oxidative Addition. Chemistry - A European Journal, 2009, 15, 5428-5431.	1.7	19
31	Polyhedral metallathiaborane chemistry: Synthesis and characterisation of metallathiaboranes based on the twelve-vertex icosahedral closo-{MSB10H10} unit, where M is Rh or Ir. Journal of Organometallic Chemistry, 2008, 693, 435-445.	0.8	7
32	Alkene Hydrogenation on an 11-Vertex Rhodathiaborane with Full Cluster Participation. Journal of the American Chemical Society, 2008, 130, 11455-11466.	6.6	39
33	Ten-vertex polyhedral azametallaborane chemistry: a unique nido-6,9 to nido-6,8-cluster isomerization. Dalton Transactions, 2008, , 4776.	1.6	6
34	Reversible Ethylene Dihydrogen Mediated 11-Vertex nido â† closo â† nido Conversion in a Metallathiaborane Cluster. Journal of the American Chemical Society, 2008, 130, 2148-2149.	6.6	35
35	Square-Planar Rhodium(I) Complexes Partnered with [arachno-6-SB₉H₁₂]⁻:â€‰ A Route toward the Synthesis of New Rhodathiaboranes and Organometallic/Thiaborane Salts. Inorganic Chemistry, 2007, 46, 6811-6826.	1.9	20
36	Polyhedral metallaheteroborane chemistry. Synthesis, spectroscopy, structure and dynamics of eleven-vertex {RhNB9} and {PtCB9} metallaheteroboranes.. Dalton Transactions, 2007, , 2885-2897.	1.6	23

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37	Metallaborane Reactivity. A Stoichiometric Mechanism for the Insertion of Two Alkynes into an Iridaborane Framework via a Disposable Molybdenum Chaperone. Journal of the American Chemical Society, 2007, 129, 3392-3401.	6.6	19
38	Twelve-vertex polyhedral carbaborane chemistry. Isostructural cations and anions: The â€˜globuleâ€“globuleâ€™ salt [H3NCH2C2B10H11][H3CCH2CB11H11]. Polyhedron, 2006, 25, 1069-1075.	1.0	11
39	Molybdenum-Mediated Alkyne Incorporation into an Iridaborane Frameworkâ€”Release of the Iridacarborane from the Molybdenum Coordination Sphere through a Dissociative Equilibrium. Angewandte Chemie - International Edition, 2006, 45, 2119-2122.	7.2	13
40	Heterobimetallic Metallaborane Chemistry:Â Synthesis and Characterization of a â€œLightly Stabilizedâ€• Molybdairidahexaborane, [{Cp*Ir}{(CO)3(THF)Mo}B4H8], and Its Direct Conversion to [{Cp*Ir}{(CO)3(L)Mo}B4H8] (L = CO, PPh3, NCPh, CNBu, NH3, PPh3CHC(O)OMe). Organometallics, 2004, 23, 5994-6001.	1.1	13
41	Chemistry of [1-Cp*-arachno-1-IrB4H10] and [1-Cp*-arachno-1-IrB3H9]:Â Synthesis and Characterization of the New Substituted Iridaboranes [1-Cp*-arachno-1-IrB3H7-2-L], [1-Cp*-arachno-1-IrB2H6-2-L], and [1-Cp*-arachno-1-IrB4H8-2,5-(Br)2] (L = PMe3, PMe2Ph, PMePh2, py, NEt3). Organometallics, 2004, 23, 2124-2136.	1.1	17
42	Organometallic chemistry on rhodaheteroborane clusters: reactions with bidentate phosphines and organotransition metal reagents. Applied Organometallic Chemistry, 2003, 17, 409-420.	1.7	5
43	The â€˜globuleâ€“globuleâ€™ hybrid dicarbaboraneâ€“polyoxometallate salt, [C2B10H11CH2NHCH(CH3)2]4[W10O32][H2O]2[(CH3)2CO]4. CrystEngComm, 2003, 5, 93-95.	1.3	7
44	Phosphineâ^'Boranes as Bidentate Ligands:Â Formation of [8,8-Î·2-{Î·2-(BH3)Â·dppm}-nido-8,7-RhSB9H10] and [9,9-Î·2-{Î·2-(BH3)Â·dppm}-nido-9,7,8-RhC2B8H11] from [8,8-(Î·2-dppm)-8-(Î·1-dppm)-nido-8,7-RhSB9H10] and [9,9-(Î·2-dppm)-9-(Î·1-dppm)-nido-9,7,8-RhC2B8H11], Respectively. Inorganic Chemistry, 2002, 41, 5837-5843.	1.9	37
45	An Iridaborane Reaction Cycle Driven by PMe3 and BH3â‹…THF: Synthesis and Characterization of [Cp*IrB3H7(PMe3)] and [Cp*IrB2H6(PMe3)]. Angewandte Chemie, 2002, 114, 4016-4018.	1.6	3
46	An Iridaborane Reaction Cycle Driven by PMe3 and BH3â‹…THF: Synthesis and Characterization of [Cp*IrB3H7(PMe3)] and [Cp*IrB2H6(PMe3)]. Angewandte Chemie - International Edition, 2002, 41, 3860-3862.	7.2	22
47	Chemistry on a metallathiaborane cluster Part 4: reactions of 11-vertex rhodathiaboranes with bidentate phosphines and their subsequent rearrangements. Journal of Organometallic Chemistry, 2002, 657, 40-47.	0.8	17
48	Ten-vertex rhodadithiaborane chemistry: [8-{I(CH2)5}-3-(Î·5-C5Me5)-arachno-3,7,8-RhS2B8H9]. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 520-522.	0.4	2
49	[8,8-Î·2-{Î·2-(BH3)Ph2PCH2PPh2}-nido-8,7-RhSB9H10]: A Rhodathiaborane with a Novel Bidentate Chelating Ligand. Angewandte Chemie - International Edition, 1999, 38, 162-164.	7.2	49
50	Organometallic Chemistry on a Metallathiaborane Cluster:Â Reactions of [8,8-(PPh3)2-nido-8,7-RhSB9H10] with Bidentate Phosphine Ligands. Organometallics, 1999, 18, 3637-3648.	1.1	29
51	Effects of metal-centre orbital control on cluster character and electron distribution between borane and hydrocarbon ligands; significance of the structures of [Î¼-9,10-(SMe)-8,8-(PPh3)2-nido-8,7-IrSB 9H9] and [Î¼-9,10-(SMe)-8-(Î·4-C5Me5H)- nido-8,7-RhSB9H9]. Journal of the Chemical Society Dalton Transactions, 1997, , 149-152.	1.1	17
52	Conformational polymorphism and fluxional behaviour of M(PR3)2units in closo-twelve-atom metallaheteroboranes with MX2B9(X = C or As) and MZB10cages (Z = S, Se or Te). Journal of the Chemical Society Dalton Transactions, 1996, , 3323-3333.	1.1	23
53	An air-stable, cationic metallacarborane without a charge-compensated carborane ligand. Chemical Communications, 1996, , 679-681.	2.2	9
54	Eleven- and twelve-vertex polyhedral metalladithiaborane chemistry. Novel compounds from the arachno-[S2B9H10]â€“anion: [(PPh3)3H2IrS2B9H10], [(PPh3)2HIrS2B9H9] and [(PPh3)2HRhS2B8H8]. Journal of the Chemical Society Chemical Communications, 1994, .	2.0	14

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55	An alternative route to cationic metallaheteroboranes. Journal of the Chemical Society Dalton Transactions, 1993, , 3147-3148.	1.1	12