Rosario NÃºÃ±ez

List of Publications by Year
in descending order

103 papers	4,529 citations	87723 38 h-index	114278 63 g-index
110 all docs	110 docs citations	110 times ranked	2121 citing authors

#	Article	IF	Citations
1	o-Carborane-based fluorophores as efficient luminescent systems both as solids and as water-dispersible nanoparticles. Chemical Communications, 2022, 58, 4016-4019.	2.2	15
2	Water-Stable Carborane-Based Eu³⁺/Tb³⁺ Metalâ€“Organic Frameworks for Tunable Time-Dependent Emission Color and Their Application in Anticounterfeiting Bar-Coding. Chemistry of Materials, 2022, 34, 4795-4808.	3.2	27
3	Advances in the catalytic and photocatalytic behavior of carborane derived metal complexes. Advances in Catalysis, 2022, , 1-45.	0.1	2
4	Reversibly Switchable Fluorescent Molecular Systems Based on Metallacarboraneâ€“Perylenediimide Conjugates. Chemistry - A European Journal, 2021, 27, 270-280.	1.7	10
5	Tuning the Liquid Crystallinity of Cholesteryl-o-Carborane Dyads: Synthesis, Structure, Photoluminescence, and Mesomorphic Properties. Crystals, 2021, 11, 133.	1.0	4
6	Radiolabeled Cobaltabis(dicarbollide) Anionâ€“Graphene Oxide Nanocomposites for In Vivo Bioimaging and Boron Delivery. ACS Applied Nano Materials, 2021, 4, 1613-1625.	2.4	17
7	Farâ€Red and Nearâ€Infrared Boron Schiff Bases (BOSCHIBAs) Dyes Bearing Anionic Boron Clusters. European Journal of Inorganic Chemistry, 2021, 2021, 2047-2054.	1.0	9
8	Red light-emitting Carborane-BODIPY dyes: Synthesis and properties of visible-light tuned fluorophores with enhanced boron content. Dyes and Pigments, 2021, 194, 109644.	2.0	9
9	Tuning the architectures and luminescence properties of Cu(<scp>i</scp>) compounds of phenyl and carboranyl pyrazoles: the impact of 2D versus 3D aromatic moieties in the ligand backbone. Journal of Materials Chemistry C, 2021, 9, 7643-7657.	2.7	16
10	Ru(<scp>ii</scp>) and Ir(<scp>iii</scp>) phenanthroline-based photosensitisers bearingo-carborane: PDT agents with boron carriers for potential BNCT. Biomaterials Science, 2021, 9, 5691-5702.	2.6	11
11	Anthraceneâ€“styrene-substituted m-carborane derivatives: insights into the electronic and structural effects of substituents on photoluminescence. Inorganic Chemistry Frontiers, 2020, 7, 2370-2380.	3.0	6
12	Blue Emitting Star-Shaped and Octasilsesquioxane-Based Polyanions Bearing Boron Clusters. Photophysical and Thermal Properties. Molecules, 2020, 25, 1210.	1.7	12
13	Tuning the Cell Uptake and Subcellular Distribution in BODIPYâ€“Carboranyl Dyads: An Experimental and Theoretical Study. Chemistry - A European Journal, 2020, 26, 16530-16540.	1.7	16
14	Synthesis and self-assembly of a carborane-containing ABC triblock terpolymer: morphology control on a dual-stimuli responsive system. Polymer Chemistry, 2019, 10, 2774-2780.	1.9	16
15	Efficient blue light emitting materials based on m-carboraneâ€“anthracene dyads. Structure, photophysics and bioimaging studies. Biomaterials Science, 2019, 7, 5324-5337.	2.6	20
16	Periphery Decorated and Core Initiated Neutral and Polyanionic Borane Large Molecules: Forthcoming and Promising Properties for Medicinal Applications. Current Medicinal Chemistry, 2019, 26, 5036-5076.	1.2	29
17	Luminescence properties of carborane-containing distyrylaromatic systems. Journal of Organometallic Chemistry, 2018, 865, 206-213.	0.8	17
18	Fluorescent BODIPY-Anionic Boron Cluster Conjugates as Potential Agents for Cell Tracking. Bioconjugate Chemistry, 2018, 29, 1763-1773.	1.8	29

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19	Organotin Dyes Bearing Anionic Boron Clusters as Cellâ€Staining Fluorescent Probes. Chemistry - A European Journal, 2018, 24, 5601-5612.	1.7	29
20	Photoluminescence in m-carboraneâ€“anthracene triads: a combined experimental and computational study. Journal of Materials Chemistry C, 2018, 6, 11336-11347.	2.7	20
21	Characterization of Magnetic Nanoparticles Coated with Chitosan: A Potential Approach for Enzyme Immobilization. Journal of Nanomaterials, 2018, 2018, 1-11.	1.5	49
22	Carboraneâ€BODIPY Dyads: New Photoluminescent Materials through an Efficient Heck Coupling. Chemistry - A European Journal, 2018, 24, 15622-15630.	1.7	25
23	Monolayer Contact Doping from a Silicon Oxide Source Substrate. Langmuir, 2017, 33, 3635-3638.	1.6	14
24	Carboraneâ€“stilbene dyads: the influence of substituents and cluster isomers on photoluminescence properties. Dalton Transactions, 2017, 46, 2091-2104.	1.6	49
25	Fluorescent carboraneâ€“vinylstilbene functionalised octasilsesquioxanes: synthesis, structural, thermal and photophysical properties. Journal of Materials Chemistry C, 2017, 5, 10211-10219.	2.7	43
26	Tetrakis{[(pâ€dodecacarboranyl)methyl]stilbenyl}ethylene: A Luminescent Tetraphenylethylene (TPE) Core System. European Journal of Inorganic Chemistry, 2017, 2017, 4575-4580.	1.0	30
27	Icosahedral boron clusters: a perfect tool for the enhancement of polymer features. Chemical Society Reviews, 2016, 45, 5147-5173.	18.7	259
28	Photoluminescence in Carboraneâ€“Stilbene Triads: A Structural, Spectroscopic, and Computational Study. Chemistry - A European Journal, 2016, 22, 13588-13598.	1.7	37
29	Redox-Active Metallacarborane-Decorated Octasilsesquioxanes. Electrochemical and Thermal Properties. Inorganic Chemistry, 2016, 55, 11630-11634.	1.9	36
30	Electrochemistry and Photoluminescence of Icosahedral Carboranes, Boranes, Metallacarboranes, and Their Derivatives. Chemical Reviews, 2016, 116, 14307-14378.	23.0	401
31	Frontispiece: Highly Dispersible and Stable Anionic Boron Clusterâ€“Graphene Oxide Nanohybrids. Chemistry - A European Journal, 2016, 22, .	1.7	0
32	Highly Dispersible and Stable Anionic Boron Clusterâ€“Graphene Oxide Nanohybrids. Chemistry - A European Journal, 2016, 22, 5096-5101.	1.7	18
33	Intramolecular Communication in Anionic Oxidized Phosphanes through a Chelated Proton. Chemistry - A European Journal, 2015, 21, 8613-8625.	1.7	7
34	Efficient Chemical Modification of Carbon Nanotubes with Metallacarboranes. Chemistry - A European Journal, 2015, 21, 16792-16795.	1.7	10
35	Boosting the Boron Dopant Level in Monolayer Doping by Carboranes. ACS Applied Materials & Interfaces, 2015, 7, 27357-27361.	4.0	32
36	High-Boron-Content Porphyrin-Cored Aryl Ether Dendrimers: Controlled Synthesis, Characterization, and Photophysical Properties. Inorganic Chemistry, 2015, 54, 5021-5031.	1.9	26

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37	Boron clusters-based metallodendrimers. Inorganica Chimica Acta, 2014, 409, 12-25.	1.2	31
38	Fluorescence of New oâ€Carborane Compounds with Different Fluorophores: Can it be Tuned?. Chemistry - A European Journal, 2014, 20, 9940-9951.	1.7	119
39	Methods to produce Bâ€“C, Bâ€“P, Bâ€“N and Bâ€“S bonds in boron clusters. Chemical Society Reviews, 2013, 42, 3318.	18.7	280
40	A Versatile Methodology for the Controlled Synthesis of Photoluminescent Highâ€Boronâ€Content Dendrimers. Chemistry - A European Journal, 2013, 19, 6299-6312.	1.7	48
41	Synthesis, Characterization, and Thermal Behavior of Carboranylâ€“Styrene Decorated Octasilsesquioxanes: Influence of the Carborane Clusters on Photoluminescence. Chemistry - A European Journal, 2013, 19, 17021-17030.	1.7	74
42	Metallacarboranes and their interactions: theoretical insights and their applicability. Chemical Society Reviews, 2012, 41, 3445.	18.7	117
43	Grafting of Metallacarboranes onto Selfâ€Assembled Monolayers Deposited on Silicon Wafers. Chemistry - an Asian Journal, 2012, 7, 277-281.	1.7	10
44	Synthesis and Characterization of New Fluorescent Styreneâ€Containing Carborane Derivatives: The Singular Quenching Role of a Phenyl Substituent. Chemistry - A European Journal, 2012, 18, 544-553.	1.7	88
45	Influential Role of Ethereal Solvent on Organolithium Compounds: The Case of Carboranyllithium. Chemistry - A European Journal, 2012, 18, 3174-3184.	1.7	50
46	Synthesis and fluorescence emission of neutral and anionic di- and tetra-carboranyl compounds. Dalton Transactions, 2011, 40, 7541.	1.6	64
47	Large Molecules Containing Icosahedral Boron Clusters Designed for Potential Applications. , 2011, , 701-740.		4
48	A Unique Case of Oxidative Addition of Interhalogens IX (X=Cl, Br) to Organodiselone Ligands: Nature of the Chemical Bonding in Asymmetric Ï£¿Seï£¿X Polarised Hypervalent Systems. Chemistry - A European Journal, 2011, 17, 11497-11514.	1.7	35
49	The Role of Câ€“HÂ·Â·Â·Hâ€“B Interactions in Establishing Rotamer Configurations in Metallabis(dicarbollide) Systems. European Journal of Inorganic Chemistry, 2010, 2010, 2385-2392.	1.0	53
50	Decorating Poly(alkyl aryl-ether) Dendrimers with Metallacarboranes. Inorganic Chemistry, 2010, 49, 9993-10000.	1.9	34
51	Anchoring of Phosphorus-Containing Cobaltabisdicarbollide Derivatives to Titania Surface. Langmuir, 2010, 26, 12185-12189.	1.6	22
52	Polyanionic Aryl Ether Metallodendrimers Based on Cobaltabisdicarbollide Derivatives. Photoluminescent Properties. Macromolecules, 2010, 43, 150-159.	2.2	54
53	First example of the formation of a Siâ€“C bond from an intramolecular Siâ€“Hâ‹¯Hâ€“C diyhydrogen interaction in a metallacarborane: A theoretical study. Journal of Organometallic Chemistry, 2009, 694, 1764-1770.	0.8	22
54	Polyanionic Carbosilane and Carbosiloxane Metallodendrimers Based on Cobaltabisdicarbollide Derivatives. Organometallics, 2009, 28, 5550-5559.	1.1	40

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55	Controlled Direct Synthesis of C-Mono- and C-Disubstituted Derivatives of [3,3â€²-Co(1,2-C2B9H11)2]â^' with Organosilane Groups: Theoretical Calculations Compared with Experimental Results. Chemistry - A European Journal, 2008, 14, 4924-4938.	1.7	23
56	Influence of the solvent and R groups on the structure of (carboranyl)R2PI2 compounds in solution. Crystal structure of the first iodophosphonium salt incorporating the anion [7,8-nido-C2B9H10]â^'. Dalton Transactions, 2008, , 1471.	1.6	18
57	Synthesis, reactivity and complexation studies of N,S exo-heterodisubstituted o-carborane ligands. Carborane as a platform to produce the uncommon bidentate chelating (pyridine)N-C-C-C-S(H) motif. Dalton Transactions, 2008, , 345-354.	1.6	27
58	Carboranyl Substituted Siloxanes and Octasilsesquioxanes: Synthesis, Characterization, and Reactivity. Macromolecules, 2008, 41, 8458-8466.	2.2	57
59	Modular Construction of Neutral and Anionic Carboranyl-Containing Carbosilane-Based Dendrimers. Macromolecules, 2007, 40, 5644-5652.	2.2	43
60	High boron content carboranyl-functionalized aryl ether derivatives displaying photoluminescent properties. Dalton Transactions, 2007, , 1898-1903.	1.6	68
61	Carboranyl Units Bringing Unusual Thermal and Structural Properties to Hybrid Materials Prepared by Solâ^'Gel Process. Chemistry of Materials, 2006, 18, 4344-4353.	3.2	63
62	Synthetic approaches to the preparation of hybrid network materials incorporating carborane clusters. New Journal of Chemistry, 2006, 30, 546.	1.4	27
63	Synthesis of Small Carboranylsilane Dendrons as Scaffolds for Multiple Functionalizations. Organic Letters, 2006, 8, 4549-4552.	2.4	38
64	A Discrete Pâ‹…â‹…â‹…ï£¿lâ‹…â‹…â‹…P Assembly: The Large Influence of Weak Interactions on the31P NMR Spectra of Phosphaneâ€“Diiodine Complexes. Angewandte Chemie - International Edition, 2006, 45, 1270-1272.	7.2	102
65	Highly Stable Neutral and Positively Charged Dicarbollide Sandwich Complexes. Chemistry - A European Journal, 2005, 11, 5637-5647.	1.7	43
66	Boron-Functionalized Carbosilanes:Â Insertion of Carborane Clusters into Peripheral Silicon Atoms of Carbosilane Compounds. Organometallics, 2005, 24, 6351-6357.	1.1	33
67	Approaches to the Preparation of Carborane-Containing Carbosilane Compounds. Organic Letters, 2005, 7, 231-233.	2.4	47
68	Formation of New Î·5-Rhodium(III) Complexes from Î·5-Rh(I) Rhodacarborane-Containing Charge-Compensated Ligands. Organometallics, 2004, 23, 2273-2280.	1.1	32
69	Synthesis, Characterization, and Dynamic Studies of 12-Vertex Î·5-Ruthenium(II)closo-Phosphine Complexes with Monoanionic [10-L-nido-7-R-7,8-C2B9H9]-Ligands. Inorganic Chemistry, 2004, 43, 6067-6074.	1.9	19
70	Controlled Radical Polymerization Catalyzed by Ruthenium Complexes: Variations on Ru-Cp[#]. ACS Symposium Series, 2003, , 116-129.	0.5	5
71	Coordination of the nido-Carboranyldiphosphine Ligand to Ruthenium(II): The First Example of the Tricoordinating Capacity of the 7,8-(PPh2)2-7,8-C2B9H10 Moiety.. ChemInform, 2003, 34, no.	0.1	0
72	Coordination of thenido-carboranyldiphosphine ligand to ruthenium(II): the first example of the tricoordinating capacity of the 7,8-(PPh2)2-7,8-C2B9H10moiety. Applied Organometallic Chemistry, 2003, 17, 509-517.	1.7	17

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73	The Modulating Possibilities of Dicarbollide Clusters:â€‰ Optimizing the Kharasch Catalysts. Journal of the American Chemical Society, 2003, 125, 11830-11831.	6.6	118
74	Boron clusters: Do they receive the deserved interest?. Pure and Applied Chemistry, 2003, 75, 1305-1313.	0.9	117
75	Half-sandwich ruthenium complexes for the controlled radical polymerisation of vinyl monomers. Inorganic Chemistry Communication, 2002, 5, 941-945.	1.8	37
76	Phosphineâ€“boranes incorporating the carborane cluster. Journal of Organometallic Chemistry, 2002, 657, 224-231.	0.8	8
77	Recent studies on RRâ€²SÂ·C2B9H11 charge-compensated ligands. Journal of Organometallic Chemistry, 2002, 657, 247-255.	0.8	44
78	Olefin cyclopropanation catalysed by half-sandwich ruthenium complexes. Tetrahedron Letters, 2002, 43, 983-987.	0.7	46
79	Contribution of the nido-[7,8-C2B9H10]- Anion to the Chemical Stability, Basicity, and 31P NMR Chemical Shift in nido-o-Carboranylmonophosphines. Inorganic Chemistry, 2001, 40, 2587-2594.	1.9	35
80	Proton Mediated Partial Degradation ofCloso-dicarbaboranes. Inorganic Chemistry, 2001, 40, 3259-3260.	1.9	17
81	Î·5-(3)-1-Methyl-1,2-dicarbollyl-Î·5-2â€²,5â€²-dimethylpyrrolylcobalt(III). Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 900-901.	0.4	2
82	The Distinct Effect of theo-Carboranyl Fragment: Its Influence on the Iâ‹¯I Distance in R3PI2 Complexes. Angewandte Chemie - International Edition, 2000, 39, 4290-4292.	7.2	102
83	Radical reactions catalysed by ruthenium(II) complexes with anionic carborane phosphine ligands: Kharasch addition to olefins and controlled polymerisation. Tetrahedron Letters, 2000, 41, 5347-5351.	0.7	55
84	Forced exo-nido rhoda and ruthenacarboranes as catalyst precursors: a review. Journal of Organometallic Chemistry, 2000, 614-615, 48-56.	0.8	57
85	Contribution of the o-carboranyl fragment to the chemical stability and the 31P-NMR chemical shift in closo-carboranylphosphines. Crystal structure of bis(1-yl-2-methyl-1,2-dicarba-closo-dodecaborane)phenylphosphine. Journal of Organometallic Chemistry, 1999, 592, 22-28.	0.8	38
86	Sodium, calcium, aluminium, zinc and europium salts of p-phenylenebis(silanetriolate). Access to a new class of organosilicates. Journal of the Chemical Society Dalton Transactions, 1999, , 4535-4540.	1.1	6
87	Formation of Bâ‹¯P Bonds through the Reaction ofnido-Monophosphinocarboranes with Palladium(II) Complexes. The First Example of a Chelating R2Pâ‹¯Câ‹¯Bâ‹¯PR2Diphosphine. Organometallics, 1999, 18, 4712-4717.	1.1	25
88	exo-nido-Monothio- andexo-nido-Monophosphinorhodacarboranes:Â Synthesis, Reactivity, and Catalytic Properties in Alkene Hydrogenationâ€. Organometallics, 1998, 17, 2278-2289.	1.1	51
89	New sodium organobis(silantriolates). Chemical Communications, 1998, , 2309-2310.	2.2	7
90	Hybrid Xerogels from Dendrimers and Arborols. Chemistry of Materials, 1998, 10, 1795-1804.	3.2	52

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91	Versatility ofnido-Monophosphinocarboranes as Ligands. Tricoordination via PPh2and BH in Rhodium(I) Complexes. Organometallics, 1998, 17, 2376-2378.	1.1	16
92	Mixed Cobaltacarboranes Incorporating Î·5-Pyrrolyl and Dicarbollide Ligands. Synthetic Routes, Structures, and Mechanistic Implications. Organometallics, 1997, 16, 1278-1283.	1.1	55
93	A Route toexo-Heterodisubstituted and Monosubstitutedo-Carborane Derivatives. Inorganic Chemistry, 1997, 36, 1719-1723.	1.9	53
94	Carborane to enhance chelating capacity S,Sâ€²-thioetherâ€" thioester coordination and its transition metal stability. Journal of Organometallic Chemistry, 1997, 530, 89-94.	0.8	12
95	Cyclopropanation reactions catalysed by ruthenium complexes with new anionic phosphine ligands. Tetrahedron Letters, 1997, 38, 4079-4082.	0.7	27
96	Cyclopropanation reactions catalysed by rhodium(I) complexes with new anionic carborane phosphine ligands. Tetrahedron Letters, 1997, 38, 7879-7882.	0.7	31
97	Modulation of Agostic Bâ˜Hâ‡€Ru Bonds inexo-Monophosphino-7,8-Dicarba-nido-undecaborate Derivatives. Organometallics, 1996, 15, 3850-3858.	1.1	58
98	1-Diisopropylphosphino-2-phenyl-1,2-dicarba-closo-dodecaborane(12). Acta Crystallographica Section C: Crystal Structure Communications, 1996, 52, 2223-2225.	0.4	16
99	1-Diphenylphosphino-1,2-dicarba-closo-dodecaborane(12) at 153 K. Acta Crystallographica Section C: Crystal Structure Communications, 1995, 51, 1868-1870.	0.4	19
100	1-Diisopropylphosphino-2-methyl-1,2-dicarba-closo-dodecaborane(12), (1), and 1,2-Bis(diisopropylphosphino)-1,2-dicarba-closo-dodecaborane(12), (2), at 193 K. Acta Crystallographica Section C: Crystal Structure Communications, 1995, 51, 1864-1868.	0.4	31
101	Procedure for the degradation of 1,2-(PR2)2-1,2-dicarba-closo-dodecaborane(12) and 1-(PR2)-2-Râ€²-1,2-dicarba-closo-dodecaborane(12). Journal of Organometallic Chemistry, 1995, 503, 193-203.	0.8	80
102	Agostic B-H.fwdharw.Ru Bonds in exo-Monophosphino-7,8-dicarba-nido-undecaborate Derivatives. Organometallics, 1995, 14, 3952-3957.	1.1	42
103	1-Diphenylphosphino-2-methyl-1,2-dicarba-closo-dodecaborane(12). Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 2027-2030.	0.4	45