

JosÃ© G Planas

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Self-Assembly of Mercaptane ^π Metallacarborane Complexes by an Unconventional Cooperative Effect: A C ^π H ^π A ^π S ^π H ^π A ^π H ^π B Hydrogen/Dihydrogen Bond Interaction. <i>Journal of the American Chemical Society</i> , 2005, 127, 15976-15982.	6.6	105
2	Switchable Surface Hydrophobicity ^π Hydrophilicity of a Metal ^π Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16049-16053.	7.2	76
3	Synthesis, Structure, and Catalytic Applications for <i>ortho</i> - and <i>meta</i> -Carboranyl Based NBN Pincer-Pd Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 9284-9295.	1.9	57
4	A Highly Water-Stable <i>meta</i> -Carborane-Based Copper Metal ^π Organic Framework for Efficient High-Temperature Butanol Separation. <i>Journal of the American Chemical Society</i> , 2020, 142, 8299-8311.	6.6	54
5	TRISPHAT Anion. An Efficient NMR Chiral Shift Counterion for Cationic Tricarbonyl Manganese Complexes with Planar Chirality. <i>Organometallics</i> , 2001, 20, 4107-4110.	1.1	43
6	N-Heterocyclic Pyridylmethylamines: Synthesis, Complexation, Molecular Structure, and Application to Asymmetric Suzuki ^π Miyaura and Oxidative Coupling Reactions. <i>Organometallics</i> , 2011, 30, 4074-4086.	1.1	42
7	An Unprecedented Stimuli ^π Controlled Single ^π Crystal Reversible Phase Transition of a Metal ^π Organic Framework and Its Application to a Novel Method of Guest Encapsulation. <i>Advanced Materials</i> , 2018, 30, e1800726.	11.1	39
8	Generation and Reactions of Ruthenium Phosphido Complexes [(^π -C ₅ H ₅)Ru(PR ₃) ₂ (PR ₂)]: Remarkably High Phosphorus Basicities and Applications as Ligands for Palladium-Catalyzed Suzuki Cross-Coupling Reactions. <i>Chemistry - A European Journal</i> , 2005, 11, 1402-1416.	1.7	37
9	Carborane Bis-pyridylalcohols as Linkers for Coordination Polymers: Synthesis, Crystal Structures, and Guest-Framework Dependent Mechanical Properties. <i>Crystal Growth and Design</i> , 2017, 17, 846-857.	1.4	36
10	Highly Bulky and Electron-Rich Terminal Ruthenium Phosphido Complexes: A New Donor Ligands for Palladium-Catalyzed Suzuki Cross-Couplings. <i>Inorganic Chemistry</i> , 2002, 41, 6947-6949.	1.9	31
11	Supramolecular architectures in <i>o</i> -carboranyl alcohols bearing N-aromatic rings: syntheses, crystal structures and melting points correlation. <i>CrystEngComm</i> , 2011, 13, 5788.	1.3	31
12	Water-Stable Carborane-Based Eu ³⁺ /Tb ³⁺ Metal ^π Organic Frameworks for Tunable Time-Dependent Emission Color and Their Application in Anticounterfeiting Bar-Coding. <i>Chemistry of Materials</i> , 2022, 34, 4795-4808.	3.2	27
13	Organochromium/organoiron dipoles comprising (^π -6-arene)chromium and (^π -5-cyclohexadienyl)iron(1+) complexes linked with conjugated spacers. <i>Tetrahedron Letters</i> , 2001, 42, 3311-3313.	0.7	26
14	C ^π O and C ^π S bond activation of allyl esters, ethers, and sulfides by low valent ruthenium complexes. <i>Journal of Molecular Catalysis A</i> , 1999, 147, 137-154.	4.8	25
15	B-Substituted (Arene)ruthenacarborane-Sulfonium, -Thioether and-Mercaptan Complexes: Mild Single and Double Dealkylation and Structural Implications in the Antipodal Distance. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4193-4205.	1.0	25
16	A Racemic and Enantiopure Unsymmetric Diiron(III) Complex with a Chiral <i>o</i> -Carborane ^π Based Pyridylalcohol Ligand: Combined Chiroptical, Magnetic, and Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 1081-1090.	1.7	25
17	Carbon ^π oxygen and carbon ^π sulfur bond activation of vinyl esters, ethers and sulfides by low valent ruthenium complexes ^π S ^π . <i>Dalton Transactions RSC</i> , 2000, , 2613-2625.	2.3	24
18	Mild mono and double demethylation in dimethylsulfonium substituted ruthenacarborane complexes. A regioselective reaction. <i>Dalton Transactions</i> , 2004, , 2059-2061.	1.6	24

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19	Cooperative Effect of Carborane and Pyridine in the Reaction of Carboranyl Alcohols with Thionyl Chloride: Halogenation versus Oxidation. <i>Journal of Organic Chemistry</i> , 2008, 73, 9140-9143.	1.7	24
20	General Access to Aminobenzylcarboranes as a New Class of Carborane Derivatives: Entry to Enantiopure Carborane-Amine Combinations. <i>Chemistry - A European Journal</i> , 2009, 15, 12030-12042.	1.7	22
21	Self-Assembly of Halogenated Cobaltacarborane Compounds: Boron-Assisted C-H...H-B Hydrogen Bonds?. <i>Chemistry - A European Journal</i> , 2007, 13, 2493-2502.	1.7	21
22	Carboranyl-methylamine-Pyridine Associations: Synthesis, Characterization, and First Complexation Studies. <i>Organometallics</i> , 2010, 29, 4130-4134.	1.1	20
23	Binaphthyl platform as starting materials for the preparation of electron rich benzo[g,h,i]perylene. Application to molecular architectures based on amino benzo[g,h,i]perylene and carborane combinations. <i>Chemical Communications</i> , 2011, 47, 7725.	2.2	20
24	N,O-Type Carborane-Based Materials. <i>Crystals</i> , 2016, 6, 50.	1.0	20
25	Photoluminescence in m-carborane-anthracene triads: a combined experimental and computational study. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11336-11347.	2.7	20
26	A boron-boron linked large metallocarborane cluster: Characterization and X-ray structure of [3-Co(η -5-C ₅ H ₅)-1,2-C ₂ B ₉ H ₁₀] ₂ . <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3472-3476.	0.8	19
27	HKUST-1 Metal-Organic Framework Nanoparticle/Graphene Oxide Nanocomposite Aerogels for CO ₂ and CH ₄ Adsorption and Separation. <i>ACS Applied Nano Materials</i> , 2021, 4, 12712-12725.	2.4	19
28	C-S Bond Cleavage of Allyl Thioethers by Zerovalent Ru Complexes. <i>Chemistry Letters</i> , 1998, 27, 123-124.	0.7	17
29	Versatile Coordination Modes and Transformations of the Cyclooctatriene Ligand in Ru(C ₈ H ₁₀)L ₃ (L =). <i>Journal of Organometallic Chemistry</i> , 2007, 680, 1-17.	1.1	17
30	Synthesis of New Chiral Heterobimetallic Chromium-Ruthenium Complexes by Regioselective Insertion of Ruthenium into the C-S Bond of Tricarbonyl- η -6-[(thiophenyl)arene]chromium Complexes. <i>Organometallics</i> , 2002, 21, 4385-4389.	1.1	17
31	Polymorphism and phase transformations in cobaltacarborane molecular crystals. <i>CrystEngComm</i> , 2007, 9, 888.	1.3	17
32	Metallosupramolecular Chemistry of Novel Chiral closo-o-Carboranylalcohol Pyridine and Quinoline Ligands: Syntheses, Characterization, and Properties of Cobalt Complexes. <i>Crystal Growth and Design</i> , 2012, 12, 5720-5736.	1.4	17
33	Is Molecular Chirality Connected to Supramolecular Chirality? The Particular Case of Chiral 2-Pyridyl Alcohols. <i>Crystal Growth and Design</i> , 2015, 15, 935-945.	1.4	17
34	Synthesis and characterization of heterodinuclear thiolate complexes containing the Pd(η -3-allyl) ⁺ moiety. Crystal structure of [(dppe)Pd(η -4-SC ₆ H ₄ Me-p)Pd(η -3-C ₃ H ₅)] [ClO ₄]. <i>Polyhedron</i> , 2000, 19, 1627-1631.	1.0	16
35	Synthesis and Crystallographic Studies of Disubstituted Carboranyl Alcohol Derivatives: Prevailing Chiral Recognition?. <i>Crystal Growth and Design</i> , 2013, 13, 1473-1484.	1.4	16
36	Tuning the architectures and luminescence properties of Cu(^{sc}) compounds of phenyl and carboranyl pyrazoles: the impact of 2D versus 3D aromatic moieties in the ligand backbone. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7643-7657.	2.7	16

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37	Regioselective 1,2-insertion of Ru into the C-S bond in 3-substituted thiophenes. <i>Chemical Communications</i> , 1999, , 1793-1794.	2.2	15
38	Crystal engineering of o-carboranyl alcohols: syntheses, crystal structures and thermal properties. <i>CrystEngComm</i> , 2010, 12, 4109.	1.3	15
39	Post-synthetic modification of a highly flexible 3D soft porous metal-organic framework by incorporating conducting polypyrrole: enhanced MOF stability and capacitance as an electrode material. <i>Chemical Communications</i> , 2021, 57, 2523-2526.	2.2	15
40	Reactivity of homoleptic and heteroleptic core paddle wheel Cu(II) compounds. <i>Inorganica Chimica Acta</i> , 2019, 487, 295-306.	1.2	13
41	Synthesis of tricarbonyl η^6 - and η^5 -[(3-thiophenyl)organo]chromium and -manganese complexes. <i>Journal of Organometallic Chemistry</i> , 2003, 688, 273-279.	0.8	12
42	Rational design of carborane-based Cu ₂ -paddle wheel coordination polymers for increased hydrolytic stability. <i>Dalton Transactions</i> , 2022, 51, 1137-1143.	1.6	11
43	Interplay of hydrogen bonding and π - π interactions in the molecular complex of 2,6-lutidine N-oxide and water. <i>Journal of Molecular Structure</i> , 2006, 787, 121-126.	1.8	9
44	Meso/microporous MOF@graphene oxide composite aerogels prepared by generic supercritical CO ₂ technology. <i>Microporous and Mesoporous Materials</i> , 2022, 335, 111825.	2.2	9
45	A Distinct Tetradentate N ₂ O ₂ -type Ligand: (o-carboranyl)bis(2-hydroxymethyl)pyridine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1194-1198.	0.6	8
46	Tuning the Structure and Flexibility of Coordination Polymers via Solvent Control of Tritopic Triazine Conformation during Crystallization. <i>Crystal Growth and Design</i> , 2020, 20, 3304-3315.	1.4	8
47	Synthesis, structures and properties of iron(III) complexes with (o-carboranyl)bis-(2-hydroxymethyl)pyridine: Racemic versus meso. <i>Inorganica Chimica Acta</i> , 2016, 448, 97-103.	1.2	7
48	A Reversible Phase Transition of 2D Coordination Layers by π - π Interactions in a Coordination Polymer. <i>Molecules</i> , 2019, 24, 3204.	1.7	7
49	Synthesis and solid state structure for a series of poly(1-pyrrolylmethyl)benzene derivatives. Control of the interplaying π - π and C-H \cdots π interactions?. <i>CrystEngComm</i> , 2006, , .	1.3	6
50	Crystalline Inclusion Compounds of a Palladacyclic Tetraol Host Featuring o-Carborane Units. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4589-4598.	1.0	4
51	Tuning the Liquid Crystallinity of Cholesteryl-o-Carborane Dyads: Synthesis, Structure, Photoluminescence, and Mesomorphic Properties. <i>Crystals</i> , 2021, 11, 133.	1.0	4
52	Copper complexes from 3,5-disubstituted N-hydroxyethylpyrazole ligands: Cleavage of C N bond as well as formation of second coordination sphere complexes. <i>Polyhedron</i> , 2022, 211, 115543.	1.0	3
53	Dimeric metallacycles and coordination polymers: Zn(II), Cd(II) and Hg(II) complexes of two positional isomers of a flexible N,O-hybrid bispyrazole derived ligand. <i>Inorganica Chimica Acta</i> , 2020, 506, 119549.	1.2	2
54	Broadening the scope of high structural dimensionality nanomaterials using pyridine-based curcuminoids. <i>Dalton Transactions</i> , 2021, 50, 7056-7064.	1.6	2

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55	Advances in the catalytic and photocatalytic behavior of carborane derived metal complexes. <i>Advances in Catalysis</i> , 2022, , 1-45.	0.1	2
56	Structure and properties of o-carboranylalcohols pyridines metal complexes. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C368-C368.	0.3	1