JosÃ© G Planas

List of Publications by Year
in descending order

56	1,215	331538	414303
papers	citations	21 h-index	32 g-index

56	56	56	1133
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Copper complexes from 3,5-disubstituted N-hydroxyethylpyrazole ligands: Cleavage of C N bond as well as formation of second coordination sphere complexes. Polyhedron, 2022, 211, 115543.	1.0	3
2	Rational design of carborane-based Cu₂-paddle wheel coordination polymers for increased hydrolytic stability. Dalton Transactions, 2022, 51, 1137-1143.	1.6	11
3	Meso/microporous MOF@graphene oxide composite aerogels prepared by generic supercritical CO2 technology. Microporous and Mesoporous Materials, 2022, 335, 111825.	2.2	9
4	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
5	Advances in the catalytic and photocatalytic behavior of carborane derived metal complexes. Advances in Catalysis, 2022, , 1-45.	0.1	2
6	Tuning the Liquid Crystallinity of Cholesteryl-o-Carborane Dyads: Synthesis, Structure, Photoluminescence, and Mesomorphic Properties. Crystals, 2021, 11, 133.	1.0	4
7	Broadening the scope of high structural dimensionality nanomaterials using pyridine-based curcuminoids. Dalton Transactions, 2021, 50, 7056-7064.	1.6	2
8	Post-synthetic modification of a highly flexible 3D soft porous metalâ€“organic framework by incorporating conducting polypyrrole: enhanced MOF stability and capacitance as an electrode material. Chemical Communications, 2021, 57, 2523-2526.	2.2	15
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	HKUST-1 Metalâ€“Organic Framework Nanoparticle/Graphene Oxide Nanocomposite Aerogels for CO₂ and CH₄ Adsorption and Separation. ACS Applied Nano Materials, 2021, 4, 12712-12725.	2.4	19
11	Tuning the Structure and Flexibility of Coordination Polymers via Solvent Control of Tritopic Triazine Conformation during Crystallization. Crystal Growth and Design, 2020, 20, 3304-3315.	1.4	8
12	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. Inorganica Chimica Acta, 2020, 506, 119549.	1.2	2
13	A Highly Water-Stable meta-Carborane-Based Copper Metalâ€“Organic Framework for Efficient High-Temperature Butanol Separation. Journal of the American Chemical Society, 2020, 142, 8299-8311.	6.6	54
14	A Reversible Phase Transition of 2D Coordination Layers by Bâ€“Hâ‹™â‹™Cu(II) Interactions in a Coordination Polymer. Molecules, 2019, 24, 3204.	1.7	7
15	Reactivity of homoleptic and heteroleptic core paddle wheel Cu(II) compounds. Inorganica Chimica Acta, 2019, 487, 295-306.	1.2	13
16	Photoluminescence in m-carboraneâ€“anthracene triads: a combined experimental and computational study. Journal of Materials Chemistry C, 2018, 6, 11336-11347.	2.7	20
17	An Unprecedented Stimuliâ€Controlled Singleâ€Crystal Reversible Phase Transition of a Metalâ€“Organic Framework and Its Application to a Novel Method of Guest Encapsulation. Advanced Materials, 2018, 30, e1800726.	11.1	39
18	Carborane Bis-pyridylalcohols as Linkers for Coordination Polymers: Synthesis, Crystal Structures, and Guest-Framework Dependent Mechanical Properties. Crystal Growth and Design, 2017, 17, 846-857.	1.4	36

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19	Crystalline Inclusion Compounds of a Palladacyclic Tetraol Host Featuring oâ€Carborane Units. European Journal of Inorganic Chemistry, 2017, 2017, 4589-4598.	1.0	4
20	N,O-Type Carborane-Based Materials. Crystals, 2016, 6, 50.	1.0	20
21	Synthesis, structures and properties of ironIII complexes with (o-carboranyl)bis-(2-hydroxymethyl)pyridine: Racemic versus meso. Inorganica Chimica Acta, 2016, 448, 97-103.	1.2	7
22	Switchable Surface Hydrophobicityâ€“Hydrophilicity of a Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2016, 55, 16049-16053.	7.2	76
23	Is Molecular Chirality Connected to Supramolecular Chirality? The Particular Case of Chiral 2-Pyridyl Alcohols. Crystal Growth and Design, 2015, 15, 935-945.	1.4	17
24	A Racemic and Enantiopure Unsymmetric Diiron(III) Complex with a Chiral oâ€Carboraneâ€Based Pyridylalcohol Ligand: Combined Chiroptical, Magnetic, and Nonlinear Optical Properties. Chemistry - A European Journal, 2014, 20, 1081-1090.	1.7	25
25	Synthesis, Structure, and Catalytic Applications for ortho- and meta-Carboranyl Based NBN Pincer-Pd Complexes. Inorganic Chemistry, 2014, 53, 9284-9295.	1.9	57
26	Synthesis and Crystallographic Studies of Disubstituted Carboranyl Alcohol Derivatives: Prevailing Chiral Recognition?. Crystal Growth and Design, 2013, 13, 1473-1484.	1.4	16
27	A Distinct Tetradentate N₂O₂â€type Ligand: (oâ€Carboranyl)bis(2â€hydroxymethyl)pyridine. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1194-1198.	0.6	8
28	Metallosupramolecular Chemistry of Novel Chiral closo-o-Carboranylalcohol Pyridine and Quinoline Ligands: Syntheses, Characterization, and Properties of Cobalt Complexes. Crystal Growth and Design, 2012, 12, 5720-5736.	1.4	17
29	Supramolecular architectures in o-carboranyl alcohols bearing N-aromatic rings: syntheses, crystal structures and melting points correlation. CrystEngComm, 2011, 13, 5788.	1.3	31
30	N-Heterocyclic Pyridylmethylamines: Synthesis, Complexation, Molecular Structure, and Application to Asymmetric Suzukiâ€“Miyaura and Oxidative Coupling Reactions. Organometallics, 2011, 30, 4074-4086.	1.1	42
31	Binaphthyl platform as starting materials for the preparation of electron rich benzo[g,h,i]perylenes. Application to molecular architectures based on amino benzo[g,h,i]perylenes and carborane combinations. Chemical Communications, 2011, 47, 7725.	2.2	20
32	Structure and properties ofo-carboranylalcohols pyridines metal complexes. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C368-C368.	0.3	1
33	closo-o-Carboranylmethylamineâˆ’Pyridine Associations: Synthesis, Characterization, and First Complexation Studies. Organometallics, 2010, 29, 4130-4134.	1.1	20
34	Crystal engineering of o-carboranyl alcohols: syntheses, crystal structures and thermal properties. CrystEngComm, 2010, 12, 4109.	1.3	15
35	General Access to Aminobenzylâ€oâ€carboranes as a New Class of Carborane Derivatives: Entry to Enantiopure Carboraneâ€“Amine Combinations. Chemistry - A European Journal, 2009, 15, 12030-12042.	1.7	22
36	Cooperative Effect of Carborane and Pyridine in the Reaction of Carboranyl Alcohols with Thionyl Chloride: Halogenation versus Oxidation. Journal of Organic Chemistry, 2008, 73, 9140-9143.	1.7	24

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37	Self-Assembly of Halogenated Cobaltacarborane Compounds: Boron-Assisted Cï£¿Hâ‹…â‹…â‹…Xï£¿B Hydrogen Bonds?. Chemistry - A European Journal, 2007, 13, 2493-2502.	1.7	21
38	Polymorphism and phase transformations in cobaltacarborane molecular crystals. CrystEngComm, 2007, 9, 888.	1.3	17
39	Synthesis and solid state structure for a series of poly(1-pyrrolylmethyl)benzene derivatives. Control of the interplaying Ï€â€“Ï€ and Câ€“Hâ‹¯Ï€ interactions?. CrystEngComm, 2006, , .	1.3	6
40	A boronâ€“boron linked large metallacarborane cluster: Characterization and X-ray structure of 8,9â€²-[closo-{3-Co(Î·5-C5H5)-1,2-C2B9H10}]2. Journal of Organometallic Chemistry, 2006, 691, 3472-3476.	0.8	19
41	Interplay of hydrogen bonding and Ï€â€“Ï€ interactions in the molecular complex of 2,6-lutidine N-oxide and water. Journal of Molecular Structure, 2006, 787, 121-126.	1.8	9
42	B-Substituted (Arene)ruthenacarborane-Sulfonium, -Thioether and-Mercaptan Complexes: Mild Single and Double Dealkylation and Structural Implications in the Antipodal Distance. European Journal of Inorganic Chemistry, 2005, 2005, 4193-4205.	1.0	25
43	Generation and Reactions of Ruthenium Phosphido Complexes [(?5-C5H5)Ru(PR?3)2(PR2)]: Remarkably High Phosphorus Basicities and Applications as Ligands for Palladium-Catalyzed Suzuki Cross-Coupling Reactions. Chemistry - A European Journal, 2005, 11, 1402-1416.	1.7	37
44	Self-Assembly of Mercaptaneâ^'Metallacarborane Complexes by an Unconventional Cooperative Effect:Â A Câ^'HÂ·Â·Â·Sâ^'HÂ·Â·Â·Hâ^'B Hydrogen/Dihydrogen Bond Interaction. Journal of the American Chemical Society, 2005, 127, 15976-15982.	6.6	105
45	Mild mono and double demethylation in dimethylsulfonium substituted ruthenacarborane complexes. A regioselective reaction. Dalton Transactions, 2004, , 2059-2061.	1.6	24
46	Synthesis of tricarbonyl Î·6- and Î·5-[(3-thiophenyl)organo]chromium and -manganese complexes. Journal of Organometallic Chemistry, 2003, 688, 273-279.	0.8	12
47	Synthesis of New Chiral Heterobimetallic Chromiumâ^'Ruthenium Complexes by Regioselective Insertion of Ruthenium into the Câ^'S Bond of Tricarbonyl-Î·6-[(thiophenyl)arene]chromium Complexes. Organometallics, 2002, 21, 4385-4389.	1.1	17
48	Highly Bulky and Electron-Rich Terminal Ruthenium Phosphido Complexes:Â New Donor Ligands for Palladium-Catalyzed Suzuki Cross-Couplings. Inorganic Chemistry, 2002, 41, 6947-6949.	1.9	31
49	TRISPHAT Anion. An Efficient NMR Chiral Shift Counterion for Cationic Tricarbonyl Manganese Complexes with Planar Chirality. Organometallics, 2001, 20, 4107-4110.	1.1	43
50	Organochromium/organoiron dipoles comprising (Î·6-arene)chromium and (Î·5-cyclohexadienyl)iron(1+) complexes linked with conjugated spacers. Tetrahedron Letters, 2001, 42, 3311-3313.	0.7	26
51	Synthesis and characterization of heterodinuclear thiolate complexes containing the Pd(Î·3-allyl)+ moiety. Crystal structure of [(dppe)Pd(Î¼-SC6H4Me-p)2Pd(Î·3-C3H5)][ClO4]. Polyhedron, 2000, 19, 1627-1631.	1.0	16
52	Carbonâ€“oxygen and carbonâ€“sulfur bond activation of vinyl esters, ethers and sulfides by low valent ruthenium complexesâ€Šâ€. Dalton Transactions RSC, 2000, , 2613-2625.	2.3	24
53	Versatile Coordination Modes and Transformations of the Cyclooctatriene Ligand in Ru(C8H10)L3 (L =) Tj ETQq1 1 0.784314 rgBT /O	1.1	17
54	Regioselective 1,2-insertion of Ru into the Câ€“S bond in 3-substituted thiophenes. Chemical Communications, 1999, , 1793-1794.	2.2	15

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55	Câ€“O and Câ€“S bond activation of allyl esters, ethers, and sulfides by low valent ruthenium complexes. Journal of Molecular Catalysis A, 1999, 147, 137-154.	4.8	25
56	C-S Bond Cleavage of Allyl Thioethers by Zerovalent Ru Complexes. Chemistry Letters, 1998, 27, 123-124.	0.7	17