Mario Sanchez

List of Publications by Year
in descending order

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63 papers	916 citations	471509 17 h-index	526287 27 g-index
66 all docs	66 docs citations	66 times ranked	1054 citing authors

#	Article	IF	Citations
1	Synthesis and Study of Monomeric and Dimeric Boronates by Spectroscopic Methods and X-ray Crystallography. Inorganic Chemistry, 1998, 37, 1679-1692.	4.0	70
2	Fluorescent Molecular Rotors of Organoboron Compounds from Schiff Bases: Synthesis, Viscosity, Reversible Thermochromism, Cytotoxicity, and Bioimaging Cells. Journal of Organic Chemistry, 2017, 82, 2375-2385.	3.2	65
3	Macrocyclic Diorganotin Complexes of Î³-Amino Acid Dithiocarbamates as Hosts for Ion-Pair Recognition. Inorganic Chemistry, 2008, 47, 9874-9885.	4.0	52
4	Facile Preparation of [4.4]Metacyclophane- and [5.5]Paracyclophane-Type Macrocycles from Arylboronic Acids and Salicylideneaminoaryl Alcohols. Chemistry - A European Journal, 2002, 8, 612-621.	3.3	46
5	Planar Tetracoordinate Carbons in Cyclic Semisaturated Hydrocarbons. Journal of Organic Chemistry, 2008, 73, 7037-7044.	3.2	35
6	New boronates prepared from 2,4-pentanedione derived ligands of the NO2 and N2O2 type â€“ comparison to the complexes obtained from the corresponding salicylaldehyde derivatives. Journal of Organometallic Chemistry, 2004, 689, 811-822.	1.8	31
7	Macrocycles and Coordination Polymers Derived from Self-Complementary Tectons Based on N-Containing Boronic Acids. Crystal Growth and Design, 2013, 13, 2441-2454.	3.0	31
8	Conformational analysis of cyclic phosphates derived from 5-Câ€² substituted 1,2-O-isopropylidene-Î±-d-xylofuranose derivatives. Tetrahedron, 2003, 59, 4077-4083.	1.9	29
9	A density functional study of antioxidant properties on anthocyanidins. Journal of Molecular Structure, 2009, 935, 110-114.	3.6	29
10	Preparation of Seven- and Eight-Membered Boron Heterocycles from Different Salen Ligands and Arylboronic Acids. Inorganic Chemistry, 2001, 40, 6405-6412.	4.0	26
11	The 5-exo-trig radical cyclization reaction under reductive and oxidative conditions in the synthesis of optically pure GABA derivatives. Tetrahedron, 2004, 60, 10809-10815.	1.9	25
12	Salen-Type Compounds of Calcium and Strontium. Inorganic Chemistry, 2002, 41, 5397-5402.	4.0	24
13	Dinuclear Monomeric and Macrocyclic Organotin Dithiocarbamates Derived from 1,10â€Diazaâ€18â€crownâ€6 and 4,4â€²â€Trimethylenedipiperidine. European Journal of Inorganic Chemistry, 2013, 2013, 2912-2922.	2.0	24
14	Beneficial Effect of Internal Hydrogen Bonding Interactions on the Î²-Fragmentation of Primary Alkoxyl Radicals. Two-Step Conversion ofd-Xylo- andd-Ribofuranoses intol-Threose andd-Erythrose, Respectively. Journal of Organic Chemistry, 2007, 72, 8196-8201.	3.2	23
15	Salen-supported dinuclear and trinuclear boron compounds. Journal of Organometallic Chemistry, 2002, 654, 36-43.	1.8	21
16	Structures and electronic properties of neutral (CuS)N clusters (N=1â€“6): A DFT approach. Chemical Physics Letters, 2013, 570, 132-135.	2.6	20
17	Variation of the Molecular Conformation, Shape, and Cavity Size in Dinuclear Metalla-Macrocycles Containing Hetero-Ditopic Dithiocarbamateâ€“Carboxylate Ligands from a Homologous Series of N-Substituted Amino Acids. Inorganic Chemistry, 2016, 55, 12451-12469.	4.0	18
18	Highly efficient methyl orange adsorption by UV-012, a new crystalline Co(<scp>ii</scp>) MOF. CrystEngComm, 2021, 23, 3537-3548.	2.6	18

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19	Intramolecular Hydrogen Bonding (PO–H) Stabilizes the Chair Conformation of Six-Membered Ring Phosphates. Journal of Organic Chemistry, 2005, 70, 7107-7113.	3.2	17
20	Dinuclear Macrocyclic Palladium Dithiocarbamates Derived from the Homologous Series of Aliphatic 1,xâ€Diamines (x = 4â€“10). European Journal of Inorganic Chemistry, 2013, 2013, 61-69.	2.0	17
21	23â€•and 27â€Membered Macrocyclic Diorganotin(IV) Bisâ€dithiocarbamates: Synthesis, Spectroscopic Characterization, DFT Calculations, and Physicochemical Analysis as Anion Receptors. European Journal of Inorganic Chemistry, 2016, 2016, 3429-3440.	2.0	17
22	Synthesis and structural characterization of 18-, 19-, 20- and 22-membered Schiff base macrocycles. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2009, 65, 305-315.	1.6	16
23	Computational studies of stable hexanuclear Cu_lAg_mAu_n(lâ€‰+â€‰mâ€‰+â€‰nâ€‰=â€‰6) clusters. International Journal of Quantum Chemistry, 2016, 116, 1006-1015.	2.0	16
24	Cd2+-sensiting bichromophore: Excimer emission from an EDTA-methylnaphthalene derivative. Inorganic Chemistry Communication, 2007, 10, 547-550.	3.9	15
25	Selective Wittig olefination in aqueous media for the rapid preparation of unsaturated 7,3-lactone-Î±-d-xylofuranose derivatives. Tetrahedron Letters, 2010, 51, 2178-2180.	1.4	14
26	New tetrazole based dyes as efficient co-sensitizers for dsscs: Structure-properties relationship. Organic Electronics, 2020, 87, 105964.	2.6	14
27	Bichromophoric Naphthalene Derivatives of Ethylenediaminetetraacetate: Fluorescence from Intramolecular Excimer, Protonation and Complexation with Zn2+ and Cd2+. Supramolecular Chemistry, 2006, 18, 561-569.	1.2	13
28	Luminescence properties and DFT calculations of lanthanide(III) complexes (LnÂ= La, Nd, Sm, Eu, Gd, Tb,) Tj ETQq0 0 0 rgBT /Overlock 10	3.6	13
29	Conformational and configurational analysis of 2-phenoxy-2-oxo-1,3,2-dioxaphosphorinanes. Conformational and configurational dependence upon conformation of the diol precursor. Tetrahedron, 2004, 60, 3001-3008.	1.9	12
30	Substituent Effects on ³¹P NMR Chemical Shifts and ¹J_{Pâ€“Se} of triarylselenophosphates. Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 185, 772-784.	1.6	11
31	Fluorescent molecular rotors (FMRs) of organoboron derived from Schiff bases and their multi-stimuli responsive. Optical Materials, 2019, 89, 123-131.	3.6	11
32	Lithium clusters on graphene surface and their ability to adsorb hydrogen molecules. International Journal of Hydrogen Energy, 2021, 46, 21984-21993.	7.1	10
33	cis- and trans-N-(Benzylsulfinyl)hexahydrobenzoxazolidin-2-ones as novel chiral sulfinyl transfer reagents. Tetrahedron, 2004, 60, 12147-12152.	1.9	9
34	Theoretical study of ferulic acid dimer derivatives: bond dissociation enthalpy, spin density, and HOMO-LUMO analysis. Structural Chemistry, 2018, 29, 1265-1272.	2.0	9
35	The Development and Characterization of a Cottonâ€“Chitosan Composite for Lead Removal from Water. Polymers, 2021, 13, 2066.	4.5	9
36	Isomeric tetrazole-based organic dyes for dye-sensitized solar cells: Structure-property relationships. Journal of Molecular Structure, 2022, 1250, 131749.	3.6	9

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37	Towards an understanding of the structure and bonding of lithium tetrahydroborate and its amine complexes. Computational and Theoretical Chemistry, 2007, 818, 23-30.	1.5	8
38	Pyrene bichromophores composed of polyaminopolycarboxylate interlink: pH response of excimer emission. Supramolecular Chemistry, 2009, 21, 665-673.	1.2	8
39	Chitosan Functionalized with 2-Methylpyridine Cross-Linker Cellulose to Adsorb Pb(II) from Water. Polymers, 2021, 13, 3166.	4.5	8
40	Structural analysis of alkali metal tetrahydroborates: The role of metal and coordination form in the [BH4]â˜' anion structure. Computational and Theoretical Chemistry, 2009, 908, 114-116.	1.5	7
41	Fluorescence and conformation in water-soluble bis(pyrenyl amide) receptors derived from polyaminopolycarboxylic acids. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 219, 90-100.	3.9	7
42	Fluorescent boron Schiff bases dyes for staining silk fibroin: Green synthesis, structural characterization, DFT, and photophysical properties. Applied Organometallic Chemistry, 2019, 33, e4609.	3.5	7
43	Adsorption of H2, N2, CO, H2S, NH3, SO2 and CH4 on Li-functionalized graphitic carbon nitride investigated by density functional theory. Bulletin of Materials Science, 2020, 43, 1.	1.7	7
44	Graphitic carbon nitride functionalized with four boron atoms for adsorption and separation of CO2/CH4: DFT calculations. Adsorption, 2020, 26, 597-605.	3.0	6
45	Synthesis and dynamics of atropisomeric (S)-N-(Î±-phenylethyl)benzamides. Tetrahedron, 2007, 63, 12655-12664.	1.9	5
46	Adsorption of adrucil on [La-CTF-0]3+ system for drug delivery by density functional theory. Computational and Theoretical Chemistry, 2021, 1201, 113294.	2.5	5
47	Heterometallic coordination framework by sodium carboxylate subunits and cobalt (III) centers obtained from a highly hydrogen bonding stabilized cobalt (II) monomeric complex. Inorganic Chemistry Communication, 2015, 51, 55-60.	3.9	4
48	Amine adduct with tin (II) chloride: Synthesis, molecular structure characterization, and DFT computational studies. Arabian Journal of Chemistry, 2019, 12, 5120-5124.	4.9	4
49	Unconventional hydrogen and dihydrogen bonded supramolecular array of a 2,6-dioxa-9,16-diaza-1,3(1,2),4(1,4)-tribenzenacycloheptadecaphane-borane adduct. Arkivoc, 2007, 2008, 115-123.	0.5	4
50	Penta- and heteropentadienyl ligands coordinated to beryllium. Journal of Molecular Modeling, 2013, 19, 5153-5158.	1.8	2
51	Synthesis and conformational analysis of novel tertiary amides derived from N-[(S)-Î±-phenylethyl]-1,3-imidazolidine. Arkivoc, 2017, 2017, 89-99.	0.5	2
52	Unexpected reactivity of â€œGaIâ€•towards N,Nâ€²-diaryl-Î²-diketiminate tin(II) chloride: Synthesis, X-ray diffraction analysis and DFT studies. Arabian Journal of Chemistry, 2019, 12, 3231-3235.	4.9	2
53	Spectroscopic and computational analysis of the (E/Z)-isomers in the synthesis of new alkyl-oxime derivatives. Journal of Molecular Structure, 2020, 1219, 128563.	3.6	2
54	Theoretical study of boron, beryllium and lithium clusters (n=2â€“6), adsorption on graphitic carbon nitride and the study of acceptor-donor orbital of the coordination of a styrene molecule on [cluster/g-C3N4] systems. Journal of Molecular Graphics and Modelling, 2021, 102, 107772.	2.4	2

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55	Spectroscopic Studies and DFT Calculations of Cimetidine Complexes with Transition Metal Ions. Journal of the Mexican Chemical Society, 2017, 57, .	0.6	2
56	Adsorption of metformin on graphitic carbon nitride functionalized with metals of group 1â€“3 (Li, Na,) Tj ETQq0 0 0 rgBT /Overlock 10 113532.	2.5	2
57	Theoretical study of absorption of 2,2,6,6-tetramethylpiperidine-1-oxoammonium cation (TEMPO) on TiO2(110) rutile surface. Journal of Molecular Modeling, 2014, 20, 2149.	1.8	1
58	Coordination of molecular hydrogen to alkali metal pentalenide complexes. Chemical Physics Letters, 2022, 787, 139267.	2.6	1
59	cis- and trans-N-(Benzylsulfinyl)hexahydrobenzoxazolidin-2-ones as Novel Chiral Sulfinyl Transfer Reagents.. ChemInform, 2005, 36, no.	0.0	0
60	Synthesis, characterization, X-ray studies and DFT calculations of fused fiveâ€“six and sevenâ€“six membered ring of new heterobicyclic system of boron compounds. Journal of Molecular Structure, 2013, 1052, 24-31.	3.6	0
61	Theoretical study of penta- and heteropentadienyl beryllium complexes coordinated to hydrogen molecules. Journal of Molecular Modeling, 2016, 22, 245.	1.8	0
62	Synthesis, Characterization, X-Ray Structure, and Conformation DFT Calculation of a Carbohydrazide Derivative. Journal of Chemical Crystallography, 2019, 49, 92-97.	1.1	0
63	Influence of halogens on organometallic open pentadienyl lanthanum complexes XLa(C5H7)2 (Xâ€‰=â€‰H,) Tj ETQq1 1 0.784314	1.8	0