

Mario Sanchez

List of Publications by Year in descending order

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63
papers

916
citations

471509

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526287

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times ranked

1054
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#	ARTICLE	IF	CITATIONS
1	Isomeric tetrazole-based organic dyes for dye-sensitized solar cells: Structure-property relationships. <i>Journal of Molecular Structure</i> , 2022, 1250, 131749.	3.6	9
2	Adsorption of metformin on graphitic carbon nitride functionalized with metals of group 1 (Li, Na, Tl) ETQq0 0 0 rgBT /Overlock 10 113532.	2.5	2
3	Coordination of molecular hydrogen to alkali metal pentalenide complexes. <i>Chemical Physics Letters</i> , 2022, 787, 139267.	2.6	1
4	Theoretical study of boron, beryllium and lithium clusters ($n=2-6$), adsorption on graphitic carbon nitride and the study of acceptor-donor orbital of the coordination of a styrene molecule on [cluster/g-C ₃ N ₄] systems. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 102, 107772.	2.4	2
5	Highly efficient methyl orange adsorption by UV-012, a new crystalline Co MOF. <i>CrystEngComm</i> , 2021, 23, 3537-3548.	2.6	18
6	Lithium clusters on graphene surface and their ability to adsorb hydrogen molecules. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 21984-21993.	7.1	10
7	The Development and Characterization of a Cotton-Chitosan Composite for Lead Removal from Water. <i>Polymers</i> , 2021, 13, 2066.	4.5	9
8	Adsorption of adrucil on [La-CTF-0] ³⁺ system for drug delivery by density functional theory. <i>Computational and Theoretical Chemistry</i> , 2021, 1201, 113294.	2.5	5
9	Chitosan Functionalized with 2-Methylpyridine Cross-Linker Cellulose to Adsorb Pb(II) from Water. <i>Polymers</i> , 2021, 13, 3166.	4.5	8
10	New tetrazole based dyes as efficient co-sensitizers for dsscs: Structure-properties relationship. <i>Organic Electronics</i> , 2020, 87, 105964.	2.6	14
11	Influence of halogens on organometallic open pentadienyl lanthanum complexes XLa(C ₅ H ₇) ₂ (X=H, Tl) ETQq1 1 0,784314	1.8	0
12	Spectroscopic and computational analysis of the (E/Z)-isomers in the synthesis of new alkyl-oxime derivatives. <i>Journal of Molecular Structure</i> , 2020, 1219, 128563.	3.6	2
13	Adsorption of H ₂ , N ₂ , CO, H ₂ S, NH ₃ , SO ₂ and CH ₄ on Li-functionalized graphitic carbon nitride investigated by density functional theory. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	7
14	Graphitic carbon nitride functionalized with four boron atoms for adsorption and separation of CO ₂ /CH ₄ : DFT calculations. <i>Adsorption</i> , 2020, 26, 597-605.	3.0	6
15	Fluorescent molecular rotors (FMRs) of organoboron derived from Schiff bases and their multi-stimuli responsive. <i>Optical Materials</i> , 2019, 89, 123-131.	3.6	11
16	Synthesis, Characterization, X-Ray Structure, and Conformation DFT Calculation of a Carbohydrazide Derivative. <i>Journal of Chemical Crystallography</i> , 2019, 49, 92-97.	1.1	0
17	Fluorescent boron Schiff bases dyes for staining silk fibroin: Green synthesis, structural characterization, DFT, and photophysical properties. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4609.	3.5	7
18	Unexpected reactivity of Ga towards N,N'-diaryl-1,2-diketiminato tin(II) chloride: Synthesis, X-ray diffraction analysis and DFT studies. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3231-3235.	4.9	2

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19	Amine adduct with tin (II) chloride: Synthesis, molecular structure characterization, and DFT computational studies. <i>Arabian Journal of Chemistry</i> , 2019, 12, 5120-5124.	4.9	4
20	Theoretical study of ferulic acid dimer derivatives: bond dissociation enthalpy, spin density, and HOMO-LUMO analysis. <i>Structural Chemistry</i> , 2018, 29, 1265-1272.	2.0	9
21	Luminescence properties and DFT calculations of lanthanide(III) complexes (Ln ^{III} = La, Nd, Sm, Eu, Gd, Tb,) Tj ETQq1 1 0.784314 rgBT / 3.6 13	3.6	13
22	Fluorescent Molecular Rotors of Organoboron Compounds from Schiff Bases: Synthesis, Viscosity, Reversible Thermochromism, Cytotoxicity, and Bioimaging Cells. <i>Journal of Organic Chemistry</i> , 2017, 82, 2375-2385.	3.2	65
23	Synthesis and conformational analysis of novel tertiary amides derived from N-[(S)-1-phenylethyl]-1,3-imidazolidine. <i>Arkivoc</i> , 2017, 2017, 89-99.	0.5	2
24	Spectroscopic Studies and DFT Calculations of Cimetidine Complexes with Transition Metal Ions. <i>Journal of the Mexican Chemical Society</i> , 2017, 57, .	0.6	2
25	23- and 27-Membered Macrocyclic Diorganotin(IV) Bis-dithiocarbamates: Synthesis, Spectroscopic Characterization, DFT Calculations, and Physicochemical Analysis as Anion Receptors. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3429-3440.	2.0	17
26	Computational studies of stable hexanuclear Cu ₆ Ag ₆ Au ₆ clusters. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 1006-1015.	2.0	6
27	Theoretical study of penta- and heteropentadienyl beryllium complexes coordinated to hydrogen molecules. <i>Journal of Molecular Modeling</i> , 2016, 22, 245.	1.8	0
28	Variation of the Molecular Conformation, Shape, and Cavity Size in Dinuclear Metalla-Macrocycles Containing Hetero-Ditopic Dithiocarbamate-Carboxylate Ligands from a Homologous Series of N-Substituted Amino Acids. <i>Inorganic Chemistry</i> , 2016, 55, 12451-12469.	4.0	18
29	Heterometallic coordination framework by sodium carboxylate subunits and cobalt (III) centers obtained from a highly hydrogen bonding stabilized cobalt (II) monomeric complex. <i>Inorganic Chemistry Communication</i> , 2015, 51, 55-60.	3.9	4
30	Theoretical study of absorption of 2,2,6,6-tetramethylpiperidine-1-oxoammonium cation (TEMPO) on TiO ₂ (110) rutile surface. <i>Journal of Molecular Modeling</i> , 2014, 20, 2149.	1.8	1
31	Structures and electronic properties of neutral (Cu _S) _N clusters (N=1-6): A DFT approach. <i>Chemical Physics Letters</i> , 2013, 570, 132-135.	2.6	20
32	Synthesis, characterization, X-ray studies and DFT calculations of fused five- and six-membered ring of new heterobicyclic system of boron compounds. <i>Journal of Molecular Structure</i> , 2013, 1052, 24-31.	3.6	0
33	Dinuclear Macrocyclic Palladium Dithiocarbamates Derived from the Homologous Series of Aliphatic 1,2-Diamines (N=4-10). <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 61-69.	2.0	17
34	Macrocycles and Coordination Polymers Derived from Self-Complementary Tectons Based on N-Containing Boronic Acids. <i>Crystal Growth and Design</i> , 2013, 13, 2441-2454.	3.0	31
35	Penta- and heteropentadienyl ligands coordinated to beryllium. <i>Journal of Molecular Modeling</i> , 2013, 19, 5153-5158.	1.8	2
36	Dinuclear Monomeric and Macrocyclic Organotin Dithiocarbamates Derived from 1,10-Diazacrown-6 and 4,4'-Trimethylenedipiperidine. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2912-2922.	2.0	24

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37	Fluorescence and conformation in water-soluble bis(pyrenyl amide) receptors derived from polyaminopolycarboxylic acids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 219, 90-100.	3.9	7
38	Selective Wittig olefination in aqueous media for the rapid preparation of unsaturated 7,3-lactone- β -D-xylofuranose derivatives. <i>Tetrahedron Letters</i> , 2010, 51, 2178-2180.	1.4	14
39	Substituent Effects on ^{31}P NMR Chemical Shifts and $^1\text{J}_{\text{Se}}$ of triarylselenophosphates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 185, 772-784.	1.6	11
40	Synthesis and structural characterization of 18-, 19-, 20- and 22-membered Schiff base macrocycles. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 65, 305-315.	1.6	16
41	A density functional study of antioxidant properties on anthocyanidins. <i>Journal of Molecular Structure</i> , 2009, 935, 110-114.	3.6	29
42	Structural analysis of alkali metal tetrahydroborates: The role of metal and coordination form in the $[\text{BH}_4]^-$ anion structure. <i>Computational and Theoretical Chemistry</i> , 2009, 908, 114-116.	1.5	7
43	Pyrene bichromophores composed of polyaminopolycarboxylate interlink: pH response of excimer emission. <i>Supramolecular Chemistry</i> , 2009, 21, 665-673.	1.2	8
44	Macrocyclic Diorganotin Complexes of β -Amino Acid Dithiocarbamates as Hosts for Ion-Pair Recognition. <i>Inorganic Chemistry</i> , 2008, 47, 9874-9885.	4.0	52
45	Planar Tetracoordinate Carbons in Cyclic Semisaturated Hydrocarbons. <i>Journal of Organic Chemistry</i> , 2008, 73, 7037-7044.	3.2	35
46	Beneficial Effect of Internal Hydrogen Bonding Interactions on the β -Fragmentation of Primary Alkoxy Radicals. Two-Step Conversion of β -Xylo- and β -Ribofuranoses into β -Threose and β -Erythrose, Respectively. <i>Journal of Organic Chemistry</i> , 2007, 72, 8196-8201.	3.2	23
47	Synthesis and dynamics of atropisomeric (S)-N-(β -phenylethyl)benzamides. <i>Tetrahedron</i> , 2007, 63, 12655-12664.	1.9	5
48	Towards an understanding of the structure and bonding of lithium tetrahydroborate and its amine complexes. <i>Computational and Theoretical Chemistry</i> , 2007, 818, 23-30.	1.5	8
49	Cd^{2+} -sensing bichromophore: Excimer emission from an EDTA-methylnaphthalene derivative. <i>Inorganic Chemistry Communication</i> , 2007, 10, 547-550.	3.9	15
50	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. <i>Arkivoc</i> , 2007, 2008, 115-123.	0.5	4
51	Bichromophoric Naphthalene Derivatives of Ethylenediaminetetraacetate: Fluorescence from Intramolecular Excimer, Protonation and Complexation with Zn^{2+} and Cd^{2+} . <i>Supramolecular Chemistry</i> , 2006, 18, 561-569.	1.2	13
52	cis- and trans-N-(Benzylsulfinyl)hexahydrobenzoxazolidin-2-ones as Novel Chiral Sulfinyl Transfer Reagents. <i>ChemInform</i> , 2005, 36, no.	0.0	0
53	Intramolecular Hydrogen Bonding (PO-H) Stabilizes the Chair Conformation of Six-Membered Ring Phosphates. <i>Journal of Organic Chemistry</i> , 2005, 70, 7107-7113.	3.2	17
54	cis- and trans-N-(Benzylsulfinyl)hexahydrobenzoxazolidin-2-ones as novel chiral sulfinyl transfer reagents. <i>Tetrahedron</i> , 2004, 60, 12147-12152.	1.9	9

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55	Conformational and configurational analysis of 2-phenoxy-2-oxo-1,3,2-dioxaphosphorinanes. Conformational and configurational dependence upon conformation of the diol precursor. <i>Tetrahedron</i> , 2004, 60, 3001-3008.	1.9	12
56	The 5-exo-trig radical cyclization reaction under reductive and oxidative conditions in the synthesis of optically pure GABA derivatives. <i>Tetrahedron</i> , 2004, 60, 10809-10815.	1.9	25
57	New boronates prepared from 2,4-pentanedione derived ligands of the NO ₂ and N ₂ O ₂ type " comparison to the complexes obtained from the corresponding salicylaldehyde derivatives. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 811-822.	1.8	31
58	Conformational analysis of cyclic phosphates derived from 5-C ² substituted 1,2-O-isopropylidene- β -D-xylofuranose derivatives. <i>Tetrahedron</i> , 2003, 59, 4077-4083.	1.9	29
59	Salen-Type Compounds of Calcium and Strontium. <i>Inorganic Chemistry</i> , 2002, 41, 5397-5402.	4.0	24
60	Facile Preparation of [4.4]Metacyclophane- and [5.5]Paracyclophane-Type Macrocycles from Arylboronic Acids and Salicylideneaminoaryl Alcohols. <i>Chemistry - A European Journal</i> , 2002, 8, 612-621.	3.3	46
61	Salen-supported dinuclear and trinuclear boron compounds. <i>Journal of Organometallic Chemistry</i> , 2002, 654, 36-43.	1.8	21
62	Preparation of Seven- and Eight-Membered Boron Heterocycles from Different Salen Ligands and Arylboronic Acids. <i>Inorganic Chemistry</i> , 2001, 40, 6405-6412.	4.0	26
63	Synthesis and Study of Monomeric and Dimeric Boronates by Spectroscopic Methods and X-ray Crystallography. <i>Inorganic Chemistry</i> , 1998, 37, 1679-1692.	4.0	70