

# Mario Alberto Macas Lopez

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76  
papers

469  
citations

12  
h-index

16  
g-index

82  
ext. papers

594  
ext. citations

2.8  
avg, IF

4  
L-index

#	Paper	IF	Citations
76	The effect of molecular planarity and resonant effects on supramolecular structures of N-(5-pyrazolyl)imines by X-ray crystallographic analysis. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1252, 132098	3.4	0
75	1-Hydroxynaphthalene-4-trifluoromethylphenyl chalcone and 3-hydroxy-4-trifluoromethylphenyl flavone: A combined experimental, structural, in vitro AChE, BChE and in silico studies. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1253, 132253	3.4	
74	Solvent-Free Microwave-Assisted Multicomponent Synthesis of 4 H -Chromenes Using Fe <sub>3</sub> O <sub>4</sub> -Based Hydrocalcites as Bifunctional Catalysts. <i>ChemistrySelect</i> , <b>2022</b> , 7,	1.8	1
73	Expeditious ethanol quantification present in hydrocarbons and distilled spirits: Extending photophysical usages of the pyrazolo[1,5-a]pyrimidines. <i>Dyes and Pigments</i> , <b>2022</b> , 110299	4.6	2
72	Design, Synthesis, Crystal Structures, Computational Studies, in vitro and in silico Monoamine Oxidase-A&B Inhibitory Activity of Two Novel S-Benzyl Dithiocarbamates. <i>Journal of Molecular Structure</i> , <b>2022</b> , 133317	3.4	0
71	Influence of the haloaryl moiety over the molecular packing in N-phenacylbenzimidazoles crystallizing in the same space group. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1230, 129869	3.4	0
70	Synthesis, thermal stabilities and solid state analysis of few selected tetrahydro-7H-indeno[2,1-c]quinoline derivatives. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1233, 130095	3.4	0
69	Photophysical and crystallographic study of three integrated pyrazolo[1,5-a]pyrimidine-triphenylamine systems. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108730	4.6	17
68	Synthesis of 1-aryl-3-methylsulfanyl-5-amino-1,2,4-triazoles and their analysis by spectroscopy, X-ray crystallography and theoretical calculations. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1226, 129317	3.4	9
67	Novel complexes with ONNO tetradentate coumarin schiff-base donor ligands: x-ray structures, DFT calculations, molecular dynamics and potential anticarcinogenic activity. <i>BioMetals</i> , <b>2021</b> , 34, 119-140	3.4	2
66	Synthesis and X-ray crystallographic analysis of free base and hexafluorophosphate salts of 3,4-dihydroisoquinolines from the Bischler-Napieralski reaction. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 1565-1572	3.6	2
65	Synthesis, biological evaluation and X-ray crystallographic analysis of novel (E)-2-cyano-3-(het)arylacrylamides as potential anticancer agents. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1244, 130944	3.4	6
64	Synthesis, characterization, and antibacterial activity of dibenzildithiocarbamate derivatives and Ni(II)-Cu(II) coordination compounds. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1245, 131109	3.4	2
63	Intermolecular interaction energies and magnetic properties of spin-isolated multinuclear Cu complexes. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2020</b> , 76, 166-176	1.8	1
62	Water-Compatible Synthesis of 1,2,3-Triazoles under Ultrasonic Conditions by a Cu(I) Complex-Mediated Click Reaction. <i>ACS Omega</i> , <b>2020</b> , 5, 30148-30159	3.9	13
61	Cu(II) and Zn(II) Complexes with Dinitrobenzoates and Pyrazolyl Ligands: Structural and Thermal Stability Influence of NH <sub>2</sub> Moiety. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 3348-3357	3.5	5
60	Catalyst- and solvent-free synthesis of 2-fluoro-N-(3-methylsulfanyl-1H-1,2,4-triazol-5-yl)benzamide through a microwave-assisted Fries rearrangement: X-ray structural and theoretical studies. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2019</b> , 75, 359-371	0.8	6

59	Study of La <sub>4</sub> BaCu <sub>5</sub> -xMnxO <sub>13</sub> + materials as potential electrode for symmetrical-SOFC. <i>Solid State Ionics</i> , <b>2019</b> , 341, 115031	3.3	3
58	Inhibition of Dimorphic Switch by Cobalt(II) Complexes with Ligands Derived from Pyrazoles and Dinitrobenzoate: Synthesis, Characterization and Biological Activity. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	7
57	Synthesis of Pyrrolo[2,3]-isoquinolines via the Cycloaddition of Benzyne with Arylideneaminopyrroles: Photophysical and Crystallographic Study. <i>ACS Omega</i> , <b>2019</b> , 4, 17326-17339	3.9	7
56	Crystal structure and Hirshfeld surface analysis of lapachol acetate 80 years after its first synthesis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2019</b> , 75, 1362-1366	0.7	
55	Unexpected PF <sub>6</sub> Anion Metathesis during the Bischler-Napieralski Reaction: Synthesis of 3,4-Dihydroisoquinoline Hexafluorophosphates and Their Tetrahydroisoquinoline Related Alkaloids. <i>Synthesis</i> , <b>2019</b> , 51, 1949-1960	2.9	3
54	Intermolecular interaction energies and molecular conformations in N-substituted 4-aryl-2-methylimidazoles with promising in vitro antifungal activity. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2019</b> , 75, 1197-1207	1.8	4
53	Synthesis and characterization of pure and Mn-substituted YAl <sub>1.15</sub> (CO <sub>3</sub> ) <sub>y</sub> O <sub>3</sub> + A variation from the classical hexagonal AlO <sub>3</sub> <i>Journal of Physics and Chemistry of Solids</i> , <b>2019</b> , 124, 199-204	3.9	3
52	Metal complex derivatives of bis(pyrazol-1-yl)methane ligands: synthesis, characterization and anti-Trypanosoma cruzi activity. <i>Transition Metal Chemistry</i> , <b>2019</b> , 44, 135-144	2.1	7
51	A series of (E)-5-(arylideneamino)-1-tert-butyl-1H-pyrrole-3-carbonitriles and their reduction products to secondary amines: syntheses and X-ray structural studies. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2018</b> , 74, 82-93	0.8	6
50	Study of applicability in an aqueous paint of the blue pigment YIn <sub>0.95</sub> Mn <sub>0.05</sub> O <sub>3</sub> . <i>Dyes and Pigments</i> , <b>2018</b> , 156, 17-25	4.6	3
49	Synthesis and in vitro Antifungal Evaluation of Novel N-Substituted 4-Aryl-2-methylimidazoles. <i>ChemistrySelect</i> , <b>2018</b> , 3, 5220-5227	1.8	15
48	Water Dissociation of a Dinuclear Bis(3,5-dimethylpyrazolyl)methane Copper(II) Complex: X-ray Diffraction Structure, Magnetic Properties, and Characteristic Absorption of the (Cu <sub>2</sub> Cl <sub>2</sub> ) <sub>2</sub> Core. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 3644-3651	2.3	5
47	Ultra-trace (parts per million-ppm) W <sup>6+</sup> dopant ions induced anatase to rutile transition (ART) of phase pure anatase TiO <sub>2</sub> nanoparticles for highly efficient visible light-active photocatalytic degradation of organic pollutants. <i>Applied Surface Science</i> , <b>2018</b> , 456, 676-693	6.7	11
46	Structural characterization of a fluorescein hydrazone molecular switch with application towards logic gates. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 18050-18058	3.6	8
45	Polymers of ε-Caprolactone Using New Copper(II) and Zinc(II) Complexes as Initiators: Synthesis, Characterization and X-Ray Crystal Structures. <i>Polymers</i> , <b>2018</b> , 10,	4.5	12
44	Observation of an infrequent enantiomer/conformer substitutional disorder in ethyl 13-ethyl-4-oxo-8,13-dihydro-4H-benzo[5,6]azepino[3,2,1-ij]quinoline-5-carboxylate heptane hemisolvate. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2018</b> , 74, 1569-1575	0.8	2
43	Study of La <sub>4</sub> BaCu <sub>5</sub> -xCo <sub>x</sub> O <sub>13</sub> + series as potential cathode materials for intermediate-temperature solid oxide fuel cell. <i>Solid State Ionics</i> , <b>2018</b> , 326, 116-123	3.3	7
42	Studies via X-ray analysis on intermolecular interactions and energy frameworks based on the effects of substituents of three 4-aryl-2-methyl-1H-imidazoles of different electronic nature and their in vitro antifungal evaluation. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2018</b> , 74, 1447-1458	0.8	1

41	General Method for the Synthesis of (-)-Conduritol C and Analogs from Chiral Cyclohexadienediol Scaffolds. <i>Molecules</i> , <b>2018</b> , 23,	4.8	6
40	Voltammetric determination of amaranth and tartrazine with a new double-stranded copper(I) helicate-single-walled carbon nanotube modified screen printed electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 822, 95-104	4.1	17
39	Study of the Effect of Metal Complexes on Morphology and Viability of Embryonated <i>Toxocara canis</i> Eggs. <i>Vector-Borne and Zoonotic Diseases</i> , <b>2018</b> , 18, 548-553	2.4	2
38	Synthesis and characterization of a new copper(II) polymer containing a thiocyanate bridge and its application in dopamine detection. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 459, 95-102	2.7	14
37	Crystal structure and absolute configuration of (4,5,6)-4,5,6-trihydroxy-3-methyl-cyclo-hex-2-enone (gabosine H). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2017</b> , 73, 606-609	0.7	
36	Total Synthesis of Gabosine H and Two Non-natural Gabosines. <i>Synthesis</i> , <b>2017</b> , 49, 565-570	2.9	5
35	Three tetracyclic dibenzoazepine derivatives exhibiting different molecular conformations, different patterns of intermolecular hydrogen bonding and different modes of supramolecular aggregation. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2017</b> , 73, 28-35	0.8	
34	Copper(II) Complexes with Tridentate Bis(pyrazolylmethyl)pyridine Ligands: Synthesis, X-ray Crystal Structures and $\epsilon$ -Caprolactone Polymerization. <i>ChemistrySelect</i> , <b>2017</b> , 2, 9815-9821	1.8	7
33	Synthesis and characterization of copper(II) complexes containing acetate and N,N-donor ligands, and their electrochemical behavior in dopamine detection. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 805, 60-67	4.1	11
32	One-Step Synthesis of Fully Functionalized Pyrazolo[3,4-b]pyridines via Isobenzofuranone Ring Opening. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 12674-12681	4.2	26
31	Synthesis and characterization of BaGa <sub>2</sub> O <sub>4</sub> and Ba <sub>3</sub> Co <sub>2</sub> O <sub>6</sub> (CO <sub>3</sub> ) <sub>0.6</sub> compounds in the search of alternative materials for Proton Ceramic Fuel Cell (PCFC). <i>Solid State Sciences</i> , <b>2017</b> , 71, 61-68	3.4	7
30	Coordination Polymers Containing 1,3-Phenylenebis-((1H-1,2,4-triazol-1-yl)methanone) Ligand: Synthesis and $\epsilon$ -Caprolactone Polymerization Behavior. <i>Molecules</i> , <b>2017</b> , 22,	4.8	4
29	Synthesis, crystal structure, catalytic and anti-Trypanosoma cruzi activity of a new chromium(III) complex containing bis(3,5-dimethylpyrazol-1-yl)methane. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1146, 365-372	3.4	13
28	Crystal structure and absolute configuration of (3a,3'a,7a,7'a)-2,2,2',2'-tetra-methyl-3a,6,7,7a,3'a,6',7',7'a-octa-hydro-4,4'-bi[1,3-benzodioxol-yl], obtained from a Pd-catalyzed homocoupling reaction. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2017</b> , 73, 81-84	0.7	
27	Crystal structure of ethyl (-)-2-cyano-3-(thio-phen-2-yl)acrylate: two conformers forming a discrete disorder. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2017</b> , 73, 1287-1289	0.7	2
26	Crystal structure of 1,3-bis-(1H-benzotriazol-1-yl-meth-yl)benzene. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2016</b> , 72, 815-8	0.7	2
25	Crystal structure of 5-butyl-amino-3-methyl-1-(pyridin-2-yl)-1-pyrazole-4-carbaldehyde obtained from a microwave-assisted reaction using caesium carbonate as catalyst. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2016</b> , 72, 1672-1674	0.7	
24	Grinding and Milling: Two Efficient Methodologies in the Solvent-Free Phosphomolybdic Acid-Catalyzed and Mechanochemical Synthesis of cis-4-Amido-N-yl-2-methyl-tetrahydroquinolines. <i>Journal of the Brazilian Chemical Society</i> , <b>2016</b> ,	1.5	2

23	Raman spectra study on Cu <sub>2</sub> MnGeS <sub>4</sub> magnetic quaternary semiconductor with orthorhombic wurtz-stannite crystal structure. <i>Physica Status Solidi (B): Basic Research</i> , <b>2016</b> , 253, 335-339	1.3	4
22	Synthesis and preliminary study of La <sub>4</sub> BaCu <sub>5</sub> O <sub>13</sub> and La <sub>6.4</sub> Sr <sub>1.6</sub> Cu <sub>8</sub> O <sub>20</sub> ordered perovskites as SOFC/PCFC electrode materials. <i>Solid State Ionics</i> , <b>2016</b> , 288, 68-75	3.3	11
21	Crystal structures of five new substituted tetrahydro-1-benzazepines with potential antiparasitic activity. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2016</b> , 72, 363-72	0.8	2
20	Novel chemoenzymatic synthesis of an enantiopure allo-inosamine hexaacetate from benzyl azide. <i>Tetrahedron Letters</i> , <b>2016</b> , 57, 2484-2487	2	8
19	Influence of the synthesis route on the formation of 12R/10H-polytypes and their magnetic properties within the Ba(Ce,Mn)O <sub>3</sub> family. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 829-835	3.6	8
18	Protective coatings for AISI 430 stainless steel at high temperatures using perovskite oxides La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3</sub> on spinel type oxide NiFe <sub>2</sub> O <sub>4</sub> . <i>Ceramics International</i> , <b>2015</b> , 41, 14561-14573	5.1	7
17	Raman spectra of Cu <sub>2</sub> BiICIV X <sub>4</sub> VI magnetic quaternary semiconductor compounds with tetragonal stannite type structure. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 205701	2.5	17
16	Raman spectrum of Cu <sub>2</sub> CdSnSe <sub>4</sub> stannite structure semiconductor compound. <i>Superlattices and Microstructures</i> , <b>2015</b> , 88, 99-103	2.8	7
15	Crystal structure and absolute configuration of (3aS,4S,5R,7aR)-2,2,7-trimethyl-3a,4,5,7a-tetra-hydro-1,3-benzodioxole-4,5-diol. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , <b>2015</b> , 71, 1013-6	0.7	3
14	Lattice parameters values and phase diagram for the Cu <sub>2</sub> Zn <sub>1-x</sub> MnzGeSe <sub>4</sub> alloy system. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 614, 253-257	5.7	1
13	Structure and magnetic properties of Ba <sub>5</sub> Ce <sub>1.25</sub> Mn <sub>3.75</sub> O <sub>15</sub> , a new 10H-polytype in the Ba <sub>5</sub> Ce <sub>x</sub> Mn <sub>3-x</sub> O <sub>15</sub> system. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 198, 186-191	3.3	5
12	Synthesis and X-ray powder diffraction data of 7-fluoro-2-exo-(2-methylpropen-1-yl)-2,3,4,5-tetrahydro-1,4-epoxybenzo[b]azepine. <i>Powder Diffraction</i> , <b>2013</b> , 28, 49-52	1.8	2
11	Synthesis and X-ray powder diffraction data of cis-4-(4-methoxyphenyl)-3-methyl-6-nitro-2-phenyl-1,2,3,4-tetrahydroquinoline. <i>Powder Diffraction</i> , <b>2013</b> , 28, 307-311	1.8	1
10	A NaY zeolite synthesized from Colombian industrial coal by-products: Potential catalytic applications. <i>Catalysis Today</i> , <b>2012</b> , 190, 61-67	5.3	18
9	Synthesis and X-ray powder diffraction data of N-benzyl-6-chloro-4-(4-methoxyphenyl)-3-methyl-1,2,3,4-tetrahydroquinoline. <i>Powder Diffraction</i> , <b>2012</b> , 27, 269-272	1.8	1
8	Phonons and Crystalline Structure of Hg <sub>1-x</sub> CdxSe Alloys (0 Materials Research Society Symposia Proceedings, <b>2012</b> , 1372, 1		
7	Structural and microstructural characterization of tin(II) oxide useful as anode material in lithium rechargeable batteries obtained from a different synthesis route at room temperature. <i>Materials Research</i> , <b>2011</b> , 14, 172-177	1.5	7
6	Synthesis and X-ray diffraction data of 6,8-dimethyl-cis-2-vinyl-2,3,4,5-tetrahydro-1H-benzo[b]azepin-4-ol and 8-chloro-9-methyl-cis-2-(prop-1-en-2-yl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-4-ol. <i>Powder Diffraction</i> , <b>2011</b> , 26, 316-319	1.8	1

5	Synthesis and X-ray diffraction data of 7-methyl-cis-2-(1Haphthyl)-2,3,4,5-tetrahydro-1H-benzo[b]azepin-4-ol. <i>Powder Diffraction</i> , <b>2011</b> , 26, S55-S57	1.8	
4	X-ray diffraction, Raman spectrum and magnetic susceptibility of the magnetic semiconductor Cu <sub>2</sub> FeSnS <sub>4</sub> . <i>Solid State Communications</i> , <b>2011</b> , 151, 947-951	1.6	46
3	Magnetic properties for the Cu <sub>2</sub> MnSnSe <sub>4</sub> and Cu <sub>2</sub> FeSnSe <sub>4</sub> compounds. <i>Journal of Physics and Chemistry of Solids</i> , <b>2010</b> , 71, 993-998	3.9	18
2	Magnetic properties for the Mn <sub>2</sub> GeTe <sub>4</sub> compound. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 295-299	2.8	4
1	Lattice parameter values and phase transitions for the Cu <sub>2</sub> Cd <sub>1-x</sub> MnzSnSe <sub>4</sub> and Cu <sub>2</sub> Cd <sub>1-x</sub> FezSnSe <sub>4</sub> alloys. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 486, 212-218	5.7	9