

Juan Carlos Castillo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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> , 2022, 1252, 132098.	1.8	2
2	Synthesis of 2,7-diarylpyrazolo [1,5-a] pyrimidine derivatives with antitumor activity. Theoretical identification of targets. <i>European Journal of Medicinal Chemistry Reports</i> , 2022, 4, 100028.	0.6	5
3	Solvent-Free Microwave-Assisted Multicomponent Synthesis of 4-Hydroxy-2-oxo-1,2,3,4-tetrahydroquinoline-3-carboxylic Acid-Based Hydroxalacites as Bifunctional Catalysts. <i>ChemistrySelect</i> , 2022, 7, .	0.7	6
4	Synthesis, Spectroscopic Analysis, and In Vitro Anticancer Evaluation of 2-(Phenylsulfonyl)-2H-1,2,3-triazole. <i>MolBank</i> , 2022, 2022, M1387.	0.2	2
5	Obtaining (5-formylfuran-2-yl)methyl 4-chlorobenzoate through an esterification of 5-hydroxymethylfurfural: Interesting achiral molecule crystallizing in a Sohncke P212121 space group. <i>Journal of Molecular Structure</i> , 2022, 1268, 133713.	1.8	4
6	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> , 2021, 1226, 129317.	1.8	14
7	3-(tert-Butyl)-N-(4-methoxybenzyl)-1-methyl-1H-pyrazol-5-amine. <i>MolBank</i> , 2021, 2021, M1196.	0.2	2
8	Synthesis, Characterization, and DFT Studies of N-(3,5-Bis(trifluoromethyl)benzyl)stearamide. <i>MolBank</i> , 2021, 2021, M1215.	0.2	2
9	Ambient-Temperature Synthesis of (E)-N-(3-(tert-Butyl)-1-methyl-1H-pyrazol-5-yl)-1-(pyridin-2-yl)methanimine. <i>MolBank</i> , 2021, 2021, M1250.	0.2	1
10	2-Oxo-2H-chromen-7-yl 4-chlorobenzoate. <i>MolBank</i> , 2021, 2021, M1279.	0.2	6
11	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> , 2021, 1244, 130944.	1.8	13
12	Water-Compatible Synthesis of 1,2,3-Triazoles under Ultrasonic Conditions by a Cu(I) Complex-Mediated Click Reaction. <i>ACS Omega</i> , 2020, 5, 30148-30159.	1.6	28
13	Obtaining Protoanemonin through Selective Oxidation of D-Fructose and 5-(Hydroxymethyl)furfural in a Self-Catalysed Reaction. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 2184-2190.	1.3	4
14	Solventless Amide Synthesis Catalyzed by Biogenic CaCO ₃ Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13139-13146.	3.2	6
15	Periselectivity in the aza-Diels-Alder Cycloaddition between $\hat{\pm}$ -Oxoketenes and N-(5-Pyrazolyl)imines: A Combined Experimental and Theoretical Study. <i>Journal of Organic Chemistry</i> , 2020, 85, 7368-7377.	1.7	5
16	Cyanide chemosensors based on 3-dicyanovinylpyrazolo[1,5-a]pyrimidines: Effects of peripheral 4-anisyl group substitution on the photophysical properties. <i>Talanta</i> , 2020, 215, 120905.	2.9	40
17	Synthesis of <i>N</i> -substituted 3-(2-aryl-2-oxoethyl)-3-hydroxyindolin-2-ones and their conversion to <i>N</i> -substituted (<i>E</i>)-3-(2-aryl-2-oxoethylidene)indolin-2-ones: synthetic sequence, spectroscopic characterization and structures of four 3-hydroxy compounds and five oxoethylidene products. <i>Acta Crystallographica Section C. Structural Chemistry</i> , 2020, 76, 433-445.	0.2	2
18	Synthesis of Biologically Active Molecules through Multicomponent Reactions. <i>Molecules</i> , 2020, 25, 505.	1.7	121

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19	Synthesis of Pyrrolo[2,3- <i>c</i>]isoquinolines via the Cycloaddition of Benzyne with Arylideneaminopyrroles: Photophysical and Crystallographic Study. <i>ACS Omega</i> , 2019, 4, 17326-17339.	1.6	10
20	Catalyst- and solvent-free synthesis of 2-fluoro- <i>N</i> -(3-methylsulfanyl-1 <i>H</i> -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> , 2019, 75, 359-371.	0.2	10
21	Integrated pyrazolo[1,5- <i>a</i>]pyrimidine-hemicyanine system as a colorimetric and fluorometric chemosensor for cyanide recognition in water. <i>Talanta</i> , 2019, 196, 395-401.	2.9	49
22	Catalyst-, solvent- and desiccant-free three-component synthesis of novel C-2,N-3 disubstituted thiazolidin-4-ones. <i>Arabian Journal of Chemistry</i> , 2019, 12, 122-133.	2.3	6
23	A series of <i>E</i> -5-(arylideneamino)-1- <i>tert</i> -butyl-1 <i>H</i> -pyrrole-3-carbonitriles and their reduction products to secondary amines: syntheses and X-ray structural studies. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 82-93.	0.2	6
24	Application of a catalyst-free Domino Mannich/Friedel-Crafts alkylation reaction for the synthesis of novel tetrahydroquinolines of potential antitumor activity. <i>Tetrahedron</i> , 2018, 74, 932-947.	1.0	30
25	A Straightforward Synthesis of 4,7-Disubstituted 1,4-Oxazepanes via a Bronsted Acid-Catalyzed Intramolecular Etherification Reaction. <i>Current Organic Synthesis</i> , 2018, 15, 370-379.	0.7	1
26	Recent contributions to the Diversity-Oriented Synthesis (DOS) mediated by iminium ions through multicomponent Mannich-type reactions. <i>Arkivoc</i> , 2018, 2018, 170-191.	0.3	2
27	3-Formylpyrazolo[1,5- <i>a</i>]pyrimidines as Key Intermediates for the Preparation of Functional Fluorophores. <i>Journal of Organic Chemistry</i> , 2018, 83, 10887-10897.	1.7	54
28	Design of Two Alternative Routes for the Synthesis of Naftifine and Analogues as Potential Antifungal Agents. <i>Molecules</i> , 2018, 23, 520.	1.7	10
29	Synthesis and <i>in vitro</i> Antifungal Evaluation of Novel <i>N</i> -Substituted 4-Aryl-2-methylimidazoles. <i>ChemistrySelect</i> , 2018, 3, 5220-5227.	0.7	27
30	A facile synthesis of stable \hat{I}^2 -amino- <i>N</i> - <i>O</i> -hemiacetals through a catalyst-free three-component Mannich-type reaction. <i>Tetrahedron Letters</i> , 2017, 58, 1490-1494.	0.7	10
31	Simple access toward 3-halo- and 3-nitro-pyrazolo[1,5- <i>a</i>]pyrimidines through a one-pot sequence. <i>RSC Advances</i> , 2017, 7, 28483-28488.	1.7	43
32	One-Step Synthesis of Fully Functionalized Pyrazolo[3,4- <i>b</i>]pyridines via Isobenzofuranone Ring Opening. <i>Journal of Organic Chemistry</i> , 2017, 82, 12674-12681.	1.7	34
33	(5-Chloroquinolin-8-yl)-2-fluorobenzoate. The Halogen Bond as a Structure Director. <i>MolBank</i> , 2017, 2017, M934.	0.2	1
34	Time-Efficient Synthesis of Pyrido[2,3- <i>d</i>]pyrimidinones via Oxoketenes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1994-1999.	1.2	12
35	6-(Aryldiazanyl)pyrazolo[1,5- <i>a</i>]pyrimidines as Strategic Intermediates for the Synthesis of Pyrazolo[5,1- <i>b</i>]purines. <i>Journal of Organic Chemistry</i> , 2016, 81, 12364-12373.	1.7	38
36	Cs ₂ CO ₃ -Promoted Direct <i>N</i> -Alkylation: Highly Chemoselective Synthesis of <i>N</i> -Alkylated Benzylamines and Anilines. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3824-3835.	1.2	59

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37	3-tert-Butyl-4-(4-chlorophenyl)-1-phenyl-1H-pyrazolo[3,4-e][1,4]thiazepin-7(4H,6H,8H)-one. IUCrData, 2016, 1, .	0.1	0
38	Crystal structure of 2-fluoro-N-(1,3-thiazol-2-yl)benzamide. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o882-o883.	0.2	2
39	Antibacterial in vitro assays of new α -aminoethers and derivatives against Gram-negative and Gram-positive pathogenic bacteria. African Journal of Microbiology Research, 2015, 9, 2111-2118.	0.4	0
40	The Aryne aza-Diels-Alder Reaction: Flexible Syntheses of Isoquinolines. Organic Letters, 2015, 17, 3374-3377.	2.4	75
41	Pseudo-Multicomponent Reactions of Arynes with N-Aryl Imines. Journal of Organic Chemistry, 2015, 80, 9767-9773.	1.7	29
42	3-(Diphenylamino)isobenzofuran-1(3H)-one. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o490-o490.	0.2	2
43	Divergent Chemo-, Regio-, and Diastereoselective Normal Electron-Demand Povarov-Type Reactions with α -Oxo-ketene Dienophiles. Organic Letters, 2014, 16, 4126-4129.	2.4	43
44	Crystal structure of (Δ ±)-3-[(benzo[d][1,3]dioxol-5-yl)methyl]-2-(3,4,5-trimethoxyphenyl)-1,3-thiazolidin-4-one. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1235-o1236.	0.2	1
45	Practical and Efficient Organocatalytic Enantioselective α -Hydroxyamination Reactions of α -Ketoamides. ChemCatChem, 2013, 5, 1192-1199.	1.8	12
46	Dibenzylammonium hydrogen maleate and a redetermination at 120 K of bis(dibenzylamino)methane. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 798-802.	0.4	0
47	A chain of π -stacked molecules in 4-(2-chlorophenyl)pyrrolo[1,2- <i>a</i>]quinoxaline and a hydrogen-bonded sheet in (4 <i>RS</i>)-4-(1,3- <i>b</i> -benzodioxol-6-yl)-4,5-dihydropyrrolo[1,2- <i>a</i>]quinoxaline. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 544-548.	0.4	6
48	Enhanced violation of a Leggett-Garg inequality under nonequilibrium thermal conditions. Physical Review A, 2013, 88, .	1.0	9
49	(Δ ±)-3-(5-Amino-3-methyl-1-phenyl-1H-pyrazol-4-yl)-2-benzofuran-1(3H)-one. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1181-o1182.	0.2	1
50	Synthesis of novel quinoline-2-one based chalcones of potential anti-tumor activity. European Journal of Medicinal Chemistry, 2012, 57, 29-40.	2.6	113
51	Microwave-Assisted Domino Benzannulation of α -Oxo Ketenes: Preparation of 1,3-dihydro-2 <i>H</i> -1,5-benzodiazepin-2-ones. European Journal of Organic Chemistry, 2012, 2012, 2338-2345.	1.2	29
52	A Simple One-Pot Synthesis of New Imidazoloquinolin-2-ones from the Direct Reaction of 2-Chloroquinolin-3-carbaldehyde with Aromatic Diamines. European Journal of Organic Chemistry, 2010, 2010, 317-325.	1.2	18
53	An Efficient Synthesis of 7-(Arylmethyl)-3-tert-butyl-1-phenyl-6,7-dihydro-1 <i>H</i> -4 <i>H</i> -pyrazolo[3,4- <i>d</i>][1,3]oxazines. European Journal of Organic Chemistry, 2010, 2010, 6454-6463.		
54	<i>N</i> -(3-tert-Butyl-1-phenyl-1 <i>H</i> -pyrazol-5-yl)- <i>N</i> -(4-methoxybenzyl)acetamide: a hydrogen-bonded chain of centrosymmetric rings. Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, o64-o66.	0.4	2

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55	Pseudomerohedral twinning, pseudosymmetry and complex hydrogen-bonded sheets in 2-methoxy-4-(pyrrolo[1,2-a]quinoxalin-4-yl)phenol. Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, o385-o388.	0.4	2
56	Seven 5-benzylamino-3- <i>tert</i> -butyl-1-phenyl-1 <i>H</i> -pyrazoles: unexpected isomorphisms, and hydrogen-bonded supramolecular structures in zero, one and two dimensions. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, o303-o310.	0.4	9
57	Eight 7-benzyl-3- <i>tert</i> -butyl-1-phenylpyrazolo[3,4- <i>d</i>]oxazines, encompassing structures containing no intermolecular hydrogen bonds, and hydrogen-bonded structures in one, two or three dimensions. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, o423-o430.	0.4	3
58	3-[(E)-(3- <i>tert</i> -Butyl-1-phenyl-1 <i>H</i> -pyrazol-5-yl)iminomethyl]quinolin-2(1 <i>H</i>)-one: chains built by π -stacking of hydrogen-bonded R ₂ (8) dimers. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, o495-o497.	0.4	1
59	Unexpected intramolecular cyclization of some 2-aminochalcones to indolin-3-ones mediated by Amberlyst®-15. Tetrahedron Letters, 2008, 49, 5028-5031.	0.7	16