

# Rodrigo Abonia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8739416/publications.pdf>

Version: 2024-02-01

96  
papers

2,452  
citations

186265

28  
h-index

223800

46  
g-index

99  
all docs

99  
docs citations

99  
times ranked

2733  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of novel pyrazolic analogues of chalcones and their 3-aryl-4-(3-aryl-4,5-dihydro-1H-pyrazol-5-yl)-1-phenyl-1H-pyrazole derivatives as potential antitumor agents. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 4965-4974.	3.0	179
2	Synthesis of Biologically Active Molecules through Multicomponent Reactions. <i>Molecules</i> , 2020, 25, 505.	3.8	121
3	Synthesis of novel quinoline-2-one based chalcones of potential anti-tumor activity. <i>European Journal of Medicinal Chemistry</i> , 2012, 57, 29-40.	5.5	113
4	Synthesis of novel analogs of 2-pyrazoline obtained from [(7-chloroquinolin-4-yl)amino]chalcones and hydrazine as potential antitumor and antimalarial agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 252-262.	5.5	104
5	Synthesis of novel quinoline-based 4,5-dihydro-1H-pyrazoles as potential anticancer, antifungal, antibacterial and antiprotozoal agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 131, 237-254.	5.5	99
6	An efficient synthesis of pyrazolo[3,4-b]pyridine-4-spiroindolinones by a three-component reaction of 5-aminopyrazoles, isatin, and cyclic 1,2-diketones. <i>Tetrahedron Letters</i> , 2011, 52, 2664-2666.	1.4	94
7	Synthesis of novel 1,2,5-trisubstituted benzimidazoles as potential antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4062-4070.	5.5	82
8	An efficient synthesis of new caffeine-based chalcones, pyrazolines and pyrazolo[3,4-b][1,4]diazepines as potential antimalarial, antitrypanosomal and antileishmanial agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 93, 401-413.	5.5	82
9	The Aryne aza-Diels-Alder Reaction: Flexible Syntheses of Isoquinolines. <i>Organic Letters</i> , 2015, 17, 3374-3377.	4.6	75
10	Regioselective synthesis of fused benzopyrazolo[3,4-b]quinolines under solvent-free conditions. <i>Tetrahedron Letters</i> , 2007, 48, 1987-1990.	1.4	66
11	Synthesis and structural analysis of 5-cyanodihydropyrazolo[3,4-b]pyridines. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 53-60.	2.6	62
12	Regioselective synthesis of novel substituted pyrazolo[1,5-a]pyrimidines under solvent-free conditions. <i>Tetrahedron Letters</i> , 2008, 49, 6254-6256.	1.4	60
13	New chalcone-sulfonamide hybrids exhibiting anticancer and antituberculosis activity. <i>European Journal of Medicinal Chemistry</i> , 2019, 176, 50-60.	5.5	56
14	Anti-inflammatory activity of triazine derivatives: A systematic review. <i>European Journal of Medicinal Chemistry</i> , 2019, 162, 435-447.	5.5	53
15	Regioselective synthesis of novel polyfunctionally substituted pyrazolo[1,5-a]pyrimidines under solvent-free conditions. <i>Tetrahedron Letters</i> , 2007, 48, 6352-6355.	1.4	50
16	Microwave-assisted synthesis of pyrimido[4,5-b][1,6]naphthyridin-4(3H)-ones with potential antitumor activity. <i>European Journal of Medicinal Chemistry</i> , 2013, 60, 1-9.	5.5	47
17	In Silico and in Vitro-Guided Identification of Inhibitors of Alkylquinolone-Dependent Quorum Sensing in <i>Pseudomonas aeruginosa</i> . <i>Molecules</i> , 2018, 23, 257.	3.8	47
18	Microwave induced synthesis of novel 8,9-dihydro-7H-pyrimido[4,5-b][1,4]diazepines as potential antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1955-1962.	5.5	45

#	ARTICLE	IF	CITATIONS
19	Microwave-assisted synthesis of pyrazolo[3,4-d]pyrimidines from 2-amino-4,6-dichloropyrimidine-5-carbaldehyde under solvent-free conditions. <i>Tetrahedron Letters</i> , 2008, 49, 3257-3259.	1.4	45
20	Microwave-assisted synthesis of pyrazolo[3,4-b]pyridine-spirocycloalkanediones by three-component reaction of 5-aminopyrazole derivatives, paraformaldehyde and cyclic 1,2-diketones. <i>Tetrahedron Letters</i> , 2010, 51, 4717-4719.	1.4	45
21	Synthesis of new indeno[1,2-e]pyrimido[4,5-b][1,4]diazepine-5,11-diones as potential antitumor agents. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8492-8500.	3.0	39
22	Synthesis and in Vitro Antitumor Activity of a Novel Series of 2-Pyrazoline Derivatives Bearing the 4-Aryloxy-7-chloroquinoline Fragment. <i>Molecules</i> , 2014, 19, 18656-18675.	3.8	38
23	Synthesis of New 1,3,5-Triazine-Based 2-Pyrazolines as Potential Anticancer Agents. <i>Molecules</i> , 2018, 23, 1956.	3.8	37
24	Synthesis and Antifungal & in Vitro Evaluation of Pyrazolo[3,4-b]pyridines Derivatives Obtained by Aza-Diels-Alder Reaction and Microwave Irradiation. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 143-150.	1.3	34
25	Microwave induced three-component synthesis and antimycobacterial activity of benzopyrazolo[3,4-b]quinolindiones. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 216-224.	5.5	30
26	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.	1.9	30
27	Synthesis of novel thiazole-based 8,9-dihydro-7H-pyrimido[4,5-b][1,4]diazepines as potential antitumor and antifungal agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 866-875.	5.5	29
28	Pseudo-Multicomponent Reactions of Arynes with N-Aryl Imines. <i>Journal of Organic Chemistry</i> , 2015, 80, 9767-9773.	3.2	29
29	A versatile synthesis of 4,5-dihydropyrrolo[1,2-a]quinoxalines. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 671-674.	2.6	28
30	Efficient Catalyst-Free Four-Component Synthesis of Novel 1,4-Dihydro-2H-pyridopyrimidines Mediated by a Mannich Type Reaction. <i>ACS Combinatorial Science</i> , 2013, 15, 2-9.	3.8	28
31	Microwave-assisted synthesis of fused pyrazolo[3,4-b]pyrazines by the reaction of ortho-aminonitrosopyrazoles and cyclic 1,2-diketones. <i>Tetrahedron Letters</i> , 2012, 53, 3181-3187.	1.4	26
32	An Efficient Synthesis of 7-(Arylmethyl)-2-tert-butyl-1-phenyl-6,7-dihydro-1H-pyrazolo[3,4-b]pyridines. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6454-6463.	1.4	26
33	Synthesis of novel 6,6a,7,8-tetrahydro-5H-naphtho[1,2-e]pyrimido[4,5-b][1,4]diazepines under microwave irradiation as potential anti-tumor agents. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2841-2846.	5.5	25
34	Microwave-Assisted Synthesis of Diversely Substituted Quinoline-Based Dihydropyridopyrimidine and Dihydropyrazolopyridine Hybrids. <i>ACS Combinatorial Science</i> , 2017, 19, 555-563.	3.8	25
35	Efficient microwave-assisted synthesis and antitumor activity of novel 4,4'-methylenebis[2-(3-aryl-4,5-dihydro-1H-pyrazol-5-yl)phenols]. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2436-2440.	5.5	23
36	Synthesis of novel 5-amino-1-arylpyrazoles. <i>Tetrahedron Letters</i> , 2008, 49, 5943-5945.	1.4	21

#	ARTICLE	IF	CITATIONS
37	Synthesis of novel hydropyrazolopyridine derivatives in solvent-free conditions via benzotriazole methodology. <i>Tetrahedron</i> , 2004, 60, 8839-8843.	1.9	19
38	Synthesis, structural characterization and theoretical studies of a new Schiff base 4-(((3-(tert-Butyl)-(1-phenyl)pyrazol-5-yl) imino)methyl)phenol. <i>Journal of Molecular Structure</i> , 2018, 1152, 163-176.	3.6	19
39	Design of new quinolin-2-one-pyrimidine hybrids as sphingosine kinases inhibitors. <i>Bioorganic Chemistry</i> , 2020, 94, 103414.	4.1	19
40	A Simple One-Pot Synthesis of New Imidazole-2-ylidene-quinolin-2-ones from the Direct Reaction of 2-Chloroquinolin-3-carbaldehyde with Aromatic Diamines. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 317-325.	2.4	18
41	Microwave-Assisted Synthesis of Novel Pyrazolo[3,4-g][1,8]naphthyridin-5-amine with Potential Antifungal and Antitumor Activity. <i>Molecules</i> , 2015, 20, 8499-8520.	3.8	18
42	Hybrid Molecules Containing a 7-Chloro-4-aminoquinoline Nucleus and a Substituted 2-Pyrazoline with Antiproliferative and Antifungal Activity. <i>Molecules</i> , 2016, 21, 969.	3.8	18
43	Synthesis and DFT Calculations of Novel Vanillin-Chalcones and Their 3-Aryl-5-(4-(2-(dimethylamino)-ethoxy)-3-methoxyphenyl)-4,5-dihydro-1H-pyrazole-1-carbaldehyde Derivatives as Antifungal Agents. <i>Molecules</i> , 2017, 22, 1476.	3.8	18
44	A Simple Two-Step Sequence for the Synthesis of Novel 4-Aryl-4,5-dihydro-1,3-dioxolo[4,5-h]pyrrolo[1,2-a][1]benzazepin-6-ones from 6-Amino-3,4-methylenedioxyacetophenone. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4684-4689.	2.4	17
45	Unexpected intramolecular cyclization of some 2-aminochalcones to indolin-3-ones mediated by Amberlyst®-15. <i>Tetrahedron Letters</i> , 2008, 49, 5028-5031.	1.4	16
46	Novel quinoline-imidazolium adducts via the reaction of 2-oxoquinoline-3-carbaldehyde and quinoline-3-carbaldehydes with 1-butyl-3-methylimidazolium chloride [BMIM][Cl]. <i>Tetrahedron Letters</i> , 2014, 55, 4395-4399.	1.4	16
47	An unexpected chemical behavior of 5-N-(benzotriazol-1-ylmethyl)amino-3-tert-butyl-1-phenylpyrazole. <i>Tetrahedron Letters</i> , 2002, 43, 5617-5620.	1.4	15
48	Synthesis of pyrazole and pyrimidine Tröger's-base analogues. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, 1588-1591.	1.3	14
49	A Schmidt rearrangement-mediated synthesis of novel tetrahydro-benzo[1,4]diazepin-5-ones as potential anticancer and antiprotozoal agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 141, 567-583.	5.5	13
50	Microwave-assisted and iodine mediated synthesis of 5-n-alkyl-cycloalkane[d]-pyrazolo[3,4-b]pyridines from 5-aminopyrazoles and cyclic ketones. <i>Tetrahedron Letters</i> , 2014, 55, 1998-2002.	1.4	11
51	Presence of $\pi$ - $\pi$ and C-H $\cdots$ $\pi$ interactions in the new Schiff base 2-((E)-(3-tert-butyl-1-phenyl-1H)-1H)-1H-1,2,4-triazol-5-ylidene-1-phenylethan-1-one. <i>Journal of Molecular Structure</i> , 2017, 1150, 366-373.	3.6	11
52	Synthesis, biological evaluation, and <i>in silico</i> studies of novel chalcone- and pyrazoline-based 1,3,5-triazines as potential anticancer agents. <i>RSC Advances</i> , 2020, 10, 34114-34129.	3.6	11
53	An Amberlyst-15® Mediated Synthesis of New Functionalized Dioxoloquinolinone Derivatives. <i>Open Organic Chemistry Journal</i> , 2008, 2, 26-34.	0.9	11
54	Synthetic approaches for BF <sub>2</sub> -containing adducts of outstanding biological potential. A review. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103528.	4.9	11

#	ARTICLE	IF	CITATIONS
55	Synthesis, structural elucidation and catalytic activity toward a model Mizoroki–Heck C–C coupling reaction of the pyrazolic Tröger’s base PdCl <sub>2</sub> (PzTB) <sub>2</sub> complex. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1834-1839.	1.8	10
56	A facile synthesis of stable $\beta$ -amino- N -/ O -hemiacetals through a catalyst-free three-component Mannich-type reaction. <i>Tetrahedron Letters</i> , 2017, 58, 1490-1494.	1.4	10
57	The new 3-( tert -butyl)-1-(2-nitrophenyl)-1 H -pyrazol-5-amine: Experimental and computational studies. <i>Journal of Molecular Structure</i> , 2017, 1148, 557-567.	3.6	10
58	Design of Two Alternative Routes for the Synthesis of Naftifine and Analogues as Potential Antifungal Agents. <i>Molecules</i> , 2018, 23, 520.	3.8	10
59	Synthesis, structural characterization, and theoretical studies of new pyrazole (E)-2-[[5-(tert-butyl)-1H-pyrazol-3-yl]imino]methyl}phenol and		

#	ARTICLE	IF	CITATIONS
73	Efficient Synthesis of Novel 3-Aryl-4-chloro-5-morpholinothiazolo[5,4-c]pyrazoles and Their Antifungal Activity Alone and in Combination with Commercial Antifungal Agents. <i>Archiv Der Pharmazie</i> , 2014, 347, 566-575.	4.1	5
74	Ionic liquid-mediated synthesis and functionalization of heterocyclic compounds. <i>Advances in Heterocyclic Chemistry</i> , 2019, 128, 333-431.	1.7	5
75	Synthesis of New Oxindoles and Determination of Their Antibacterial Properties. <i>Heteroatom Chemistry</i> , 2020, 2020, 1-9.	0.7	5
76	Solvent-Free and Self-Catalyzed Three-Component Synthesis of Diversely Substituted Pyrazolo[1,4]thiazepinones of Potential Antitumor Activity. <i>Current Organic Synthesis</i> , 2014, 11, 773-786.	1.3	5
77	Synthesis and antifungal activity of nitrophenyl-pyrazole substituted Schiff bases. <i>Journal of Molecular Structure</i> , 2022, 1253, 132289.	3.6	4
78	Eight 7-benzyl-3-tert-butyl-1-phenylpyrazolo[3,4-d]oxazines, encompassing structures containing no intermolecular hydrogen bonds, and hydrogen-bonded structures in one, two or three dimensions. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, o423-o430.	0.4	3
79	Hydrogen-bonded chains in 3-tert-butyl-5-[(4-methoxybenzyl)amino]-1-phenyl-1H-pyrazole and tetramolecular hydrogen-bonded aggregates in 5-[(benzotriazol-1-ylmethyl)(4-methoxybenzyl)amino]-3-tert-butyl-1-phenyl-1H-pyrazole. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007, 63, o29-o32.	0.4	2
80	N-(3-tert-Butyl-1-phenyl-1H-pyrazol-5-yl)-(4-methoxybenzyl)acetamide: a hydrogen-bonded chain of centrosymmetric rings. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o64-o66.	0.4	2
81	3-(Diphenylamino)isobenzofuran-1(3H)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o490-o490.	0.2	2
82	(E)-3-[3-(2-Butoxyquinolin-3-yl)acryloyl]-2-hydroxy-4H-chromen-4-one. <i>MolBank</i> , 2018, 2018, 1001.	0.5	2
83	Catalyst-free three-component synthesis of new pyrrolidine derivatives via 1,3-dipolar cycloaddition. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 352-358.	1.2	2
84	Synthetic Approaches Toward Diversely Substituted 1,2,2-triarylethanones. <i>Current Organic Chemistry</i> , 2021, 25, 1353-1393.	1.6	2
85	A Straightforward and Efficient Method for the Synthesis of Diversely Substituted $\hat{2}$ -Aminoketones and $\hat{3}$ -Aminoalcohols from 3-(N,N-Dimethylamino)propiophenones as Starting Materials. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	2
86	3-[(E)-(3-tert-Butyl-1-phenyl-1H-pyrazol-5-yl)iminomethyl]quinolin-2(1H)-one: chains built by $\hat{I}$ -stacking of hydrogen-bonded R <sup>22</sup> (8) dimers. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, o495-o497.	0.4	1
87	Hydrogen-bonding patterns in three substituted N-benzyl-N-(3-tert-butyl-1-phenyl-1H-pyrazol-5-yl)acetamides. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o168-o173.	0.4	1
88	( $\hat{A}$ ±)-3-(5-Amino-3-methyl-1-phenyl-1H-pyrazol-4-yl)-2-benzofuran-1(3H)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1181-o1182.	0.2	1
89	Octyl 1-(5-tert-butyl-1H-pyrazol-3-yl)-2-(4-chlorophenyl)-1H-benzimidazole-5-carboxylate: complex sheets built from Nâ€”H...N, Câ€”H...N and Câ€”H...O hydrogen bonds. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 617-621.	0.5	1
90	Design, synthesis and crystallographic study of novel indole-based cyano derivatives as key building blocks for heteropolycyclic compounds of major complexity. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 1040-1049.	0.5	1

#	ARTICLE	IF	CITATIONS
91	Three-component one-pot synthesis of new spiro[indoline-pyrrolidine] derivatives mediated by 1,3-dipolar reaction and DFT analysis. Monatshefte für Chemie, 2021, 152, 497-506.	1.8	1
92	Crystal structure of (±)-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
93	Crystalline Derivatives of Dipyrazolo-1,5-diazocine and Dipyrazolopyrimidine: A Case of Unexpected Synthesis and Isostructural Polymorphism. Crystals, 2022, 12, 714.	2.2	1
94	Hydrogen-bonded sheet structures in methyl 4-(4-chloroanilino)-3-nitrobenzoate and methyl 1-benzyl-2-(4-chlorophenyl)-1H-benzimidazole-5-carboxylate. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 77-81.	0.4	0
95	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
96	3-Methyl-2-oxo-1,5-diphenyl-1,7-dihydrospiro[indoline-3,4-pyrazolo[3,4-b]pyridine]-6-carboxylic Acid. MolBank, 2021, 2021, M1214.	0.5	0