Rodrigo Abonia

List of Publications by Year
in descending order

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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	Synthetic approaches for BF2-containing adducts of outstanding biological potential. A review. Arabian Journal of Chemistry, 2022, 15, 103528.	4.9	11
2	Synthesis and antifungal activity of nitrophenyl-pyrazole substituted Schiff bases. Journal of Molecular Structure, 2022, 1253, 132289.	3.6	4
3	Crystalline Derivatives of Dipyrazolo-1,5-diazocine and Dipyrazolopyrimidine: A Case of Unexpected Synthesis and Isostructural Polymorphism. Crystals, 2022, 12, 714.	2.2	1
4	Three-component one-pot synthesis of new spiro[indoline-pyrrolidine] derivatives mediated by 1,3-dipolar reaction and DFT analysis. Monatshefte FÃ¼r Chemie, 2021, 152, 497-506.	1.8	1
5	Design, synthesis, and molecular docking study of novel quinolineâ€based bisâ€chalcones as potential antitumor agents. Archiv Der Pharmazie, 2021, 354, e2100094.	4.1	8
6	3â€²-Methyl-2-oxo-1â€²,5â€²-diphenyl-1â€²,7â€²-dihydrospiro[indoline-3,4â€²-pyrazolo[3,4-b]pyridine]-6â€²-carboxylic Acid. MolBank, 2021, 2021, M1214.	0.5	0
7	Synthetic Approaches Toward Diversely Substituted 1,2,2-triarylethanones. Current Organic Chemistry, 2021, 25, 1353-1393.	1.6	2
8	Synthesis, Structural Characterization, and In Vitro and In Silico Antifungal Evaluation of Azo-Azomethine Pyrazoles (PhN2(PhOH)CHN(C3N2(CH3)3)PhR, R = H or NO2). Molecules, 2021, 26, 7435.	3.8	6
9	Synthesis, photophysical properties and theoretical studies of new bis-quinolin curcuminoid BF2-complexes and their decomplexed derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118065.	3.9	7
10	A Flexible Strategy for Modular Synthesis of Curcuminoidâ€BF 2 /Curcuminoid Pairs and Their Comparative Antiproliferative Activity in Human Cancer Cell Lines. ChemMedChem, 2020, 15, 354-362.	3.2	6
11	Design of new quinolin-2-one-pyrimidine hybrids as sphingosine kinases inhibitors. Bioorganic Chemistry, 2020, 94, 103414.	4.1	19
12	Synthesis, biological evaluation, and in silico studies of novel chalcone- and pyrazoline-based 1,3,5-triazines as potential anticancer agents. RSC Advances, 2020, 10, 34114-34129.	3.6	11
13	Synthesis of New Oxindoles and Determination of Their Antibacterial Properties. Heteroatom Chemistry, 2020, 2020, 1-9.	0.7	5
14	Synthesis of Biologically Active Molecules through Multicomponent Reactions. Molecules, 2020, 25, 505.	3.8	121
15	Catalyst-free three-component synthesis of new pyrrolidine derivatives via 1,3-dipolar cycloaddition. Chemistry of Heterocyclic Compounds, 2019, 55, 352-358.	1.2	2
16	New chalcone-sulfonamide hybrids exhibiting anticancer and antituberculosis activity. European Journal of Medicinal Chemistry, 2019, 176, 50-60.	5.5	56
17	Catalyst-free assembly of giant tris(heteroaryl)methanes: synthesis of novel pharmacophoric triads and model sterically crowded tris(heteroaryl/aryl)methyl cation salts. Beilstein Journal of Organic Chemistry, 2019, 15, 642-654.	2.2	9
18	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
19	Ionic liquid-mediated synthesis and functionalization of heterocyclic compounds. Advances in Heterocyclic Chemistry, 2019, 128, 333-431.	1.7	5
20	Anti-inflammatory activity of triazine derivatives: A systematic review. European Journal of Medicinal Chemistry, 2019, 162, 435-447.	5.5	53
21	Catalyst-, solvent- and desiccant-free three-component synthesis of novel C-2,N-3 disubstituted thiazolidin-4-ones. Arabian Journal of Chemistry, 2019, 12, 122-133.	4.9	6
22	Application of a catalyst-free Domino Mannich/Friedel-Crafts alkylation reaction for the synthesis of novel tetrahydroquinolines of potential antitumor activity. Tetrahedron, 2018, 74, 932-947.	1.9	30
23	Synthesis, structural characterization and theoretical studies of a new Schiff base 4-(((3-(tert-Butyl)-(1-phenyl)pyrazol-5-yl) imino)methyl)phenol. Journal of Molecular Structure, 2018, 1152, 163-176.	3.6	19
24	(E)-3-[3-(2-Butoxyquinolin-3-yl)acryloyl]-2-hydroxy-4H-chromen-4-one. MolBank, 2018, 2018, 1001.	0.5	2
25	In Silico and in Vitro-Guided Identification of Inhibitors of Alkylquinolone-Dependent Quorum Sensing in Pseudomonas aeruginosa. Molecules, 2018, 23, 257.	3.8	47
26	Design of Two Alternative Routes for the Synthesis of Naftifine and Analogues as Potential Antifungal Agents. Molecules, 2018, 23, 520.	3.8	10
27	Synthesis of New 1,3,5-Triazine-Based 2-Pyrazolines as Potential Anticancer Agents. Molecules, 2018, 23, 1956.	3.8	37
28	A facile synthesis of stable Î²-amino- N -/ O -hemiacetals through a catalyst-free three-component Mannich-type reaction. Tetrahedron Letters, 2017, 58, 1490-1494.	1.4	10
29	Synthesis of novel quinolineâ€“based 4,5â€“dihydroâ€“1 H â€“pyrazoles as potential anticancer, antifungal, antibacterial and antiprotozoal agents. European Journal of Medicinal Chemistry, 2017, 131, 237-254.	5.5	99
30	A Schmidt rearrangement-mediated synthesis of novel tetrahydro-benzo[1,4]diazepin-5-ones as potential anticancer and antiprotozoal agents. European Journal of Medicinal Chemistry, 2017, 141, 567-583.	5.5	13
31	Presence of Ï€â€¦Ï€ and C Hâ€¦Ï€ interactions in the new Schiff base 2-{(E)-[(3- tert -butyl-1-phenyl-1 H) Tj ETQq1 1 0.784314 rgBT /O Structure, 2017, 1150, 366-373.	3.6	11
32	Microwave-Assisted Synthesis of Diversely Substituted Quinoline-Based Dihydropyridopyrimidine and Dihydropyrazolopyridine Hybrids. ACS Combinatorial Science, 2017, 19, 555-563.	3.8	25
33	The new 3-(tert -butyl)-1-(2-nitrophenyl)-1 H -pyrazol-5-amine: Experimental and computational studies. Journal of Molecular Structure, 2017, 1148, 557-567.	3.6	10
34	Design, synthesis and crystallographic study of novel indole-based cyano derivatives as key building blocks for heteropolycyclic compounds of major complexity. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 1040-1049.	0.5	1
35	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. Molecules, 2017, 22, 1476.	3.8	18
36	Synthesis and Antifungal <i>in Vitro</i> Evaluation of Pyrazolo[3,4-<i>b</i>]pyridines Derivatives Obtained by Aza-Dielsâ€“Alder Reaction and Microwave Irradiation. Chemical and Pharmaceutical Bulletin, 2017, 65, 143-150.	1.3	34

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37	Hybrid Molecules Containing a 7-Chloro-4-aminoquinoline Nucleus and a Substituted 2-Pyrazoline with Antiproliferative and Antifungal Activity. Molecules, 2016, 21, 969.	3.8	18
38	Microwave-Assisted Synthesis of Novel Pyrazolo[3,4-g][1,8]naphthyridin-5-amine with Potential Antifungal and Antitumor Activity. Molecules, 2015, 20, 8499-8520.	3.8	18
39	Synthesis of novel thiazole-based 8,9-dihydro-7H-pyrimido[4,5-b][1,4]diazepines as potential antitumor and antifungal agents. European Journal of Medicinal Chemistry, 2015, 92, 866-875.	5.5	29
40	An efficient synthesis of new caffeine-based chalcones, pyrazolines and pyrazolo[3,4-b][1,4]diazepines as potential antimalarial, antitrypanosomal and antileishmanial agents. European Journal of Medicinal Chemistry, 2015, 93, 401-413.	5.5	82
41	The Aryne aza-Dielsâ€“Alder Reaction: Flexible Syntheses of Isoquinolines. Organic Letters, 2015, 17, 3374-3377.	4.6	75
42	Pseudo-Multicomponent Reactions of Arynes with N-Aryl Imines. Journal of Organic Chemistry, 2015, 80, 9767-9773.	3.2	29
43	3-(Diphenylamino)isobenzofuran-1(3H)-one. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o490-o490.	0.2	2
44	Microwave-assisted and iodine mediated synthesis of 5-n-alkyl-cycloalkane[d]-pyrazolo[3,4-b]pyridines from 5-aminopyrazoles and cyclic ketones. Tetrahedron Letters, 2014, 55, 1998-2002.	1.4	11
45	Microwave induced three-component synthesis and antimycobacterial activity of benzopyrazolo[3,4-b]quinolindiones. European Journal of Medicinal Chemistry, 2014, 74, 216-224.	5.5	30
46	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. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 617-621.	0.5	1
47	Efficient Synthesis of Novel 3â€Arylâ€5â€(4â€chloroâ€2â€morpholinothiazolâ€5â€yl)â€4,5â€dihydroâ€1Hâ€pyrazoles and Their Antifungal Activity Alone and in Combination with Commercial Antifungal Agents. Archiv Der Pharmazie, 2014, 347, 566-575.	4.1	5
48	Novel quinolineâ€“imidazolium adducts via the reaction of 2-oxoquinoline-3-carbaldehyde and quinoline-3-carbaldehydes with 1-butyl-3-methylimidazolium chloride [BMIM][Cl]. Tetrahedron Letters, 2014, 55, 4395-4399.	1.4	16
49	Synthesis and in Vitro Antitumor Activity of a Novel Series of 2-Pyrazoline Derivatives Bearing the 4-Aryloxy-7-chloroquinoline Fragment. Molecules, 2014, 19, 18656-18675.	3.8	38
50	Highly Efficient and Diastereoselective Synthesis of New Pyrazolylpyrrolizine and Pyrazolylpyrrolidine Derivates by a Three-Component Domino Process. Molecules, 2014, 19, 4284-4300.	3.8	6
51	Crystal structure of (Â±)-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
52	Solvent-Free and Self-Catalyzed Three-Component Synthesis of Diversely Substituted Pyrazolo[1,4]thiazepinones of Potential Antitumor Activity. Current Organic Synthesis, 2014, 11, 773-786.	1.3	5
53	Synthesis of novel analogs of 2-pyrazoline obtained from [(7-chloroquinolin-4-yl)amino]chalcones and hydrazine as potentialÂantitumor and antimalarial agents. European Journal of Medicinal Chemistry, 2013, 67, 252-262.	5.5	104
54	Microwave-assisted synthesis of pyrimido[4,5-b][1,6]naphthyridin-4(3H)-ones with potential antitumor activity. European Journal of Medicinal Chemistry, 2013, 60, 1-9.	5.5	47

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55	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
56	Efficient Catalyst-Free Four-Component Synthesis of Novel Î³-Aminoethers Mediated by a Mannich Type Reaction. ACS Combinatorial Science, 2013, 15, 2-9.	3.8	28
57	Dibenzylammonium hydrogen maleate and a redetermination at 120â€…K of bis(dibenzylamino)methane. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 798-802.	0.4	0
58	A chain of Ï€-stacked molecules in 4-(2-chlorophenyl)pyrrolo[1,2-a]quinoxaline and a hydrogen-bonded sheet in (4RS)-4-(1,3-1,3-benzodioxol-6-yl)-4,5-dihydropyrrolo[1,2-a]quinoxaline. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 544-548.	0.4	6
59	(Â±)-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
60	A Straightforward and Efficient Method for the Synthesis of Diversely Substituted Î²-Aminoketones and Î³-Aminoalcohols from 3-(N,N-Dimethylamino)propiophenones as Starting Materials. Journal of the Brazilian Chemical Society, 2013, , .	0.6	2
61	Synthesis of 3-aryl-1,2,4-benzotriazines via intramolecular cyclization of solid-supported o-hydrazidoanilines. Molecular Diversity, 2012, 16, 839-846.	3.9	5
62	Synthesis of novel quinoline-2-one based chalcones of potential anti-tumor activity. European Journal of Medicinal Chemistry, 2012, 57, 29-40.	5.5	113
63	Antimycobacterial Activity of Pyrimido[4,5â€b]diazepine Derivatives. Archiv Der Pharmazie, 2012, 345, 739-744.	4.1	5
64	Microwave-assisted synthesis of fused pyrazolo[3,4-b]pyrazines by the reaction of ortho-aminonitrosopyrazoles and cyclic Î²-diketones. Tetrahedron Letters, 2012, 53, 3181-3187.	1.4	26
65	Catalyst free three-component synthesis of (Â±)-pyrazolylpyrrolopyrroles by 1,3-dipolar cycloaddition reaction. Tetrahedron Letters, 2011, 52, 5471-5473.	1.4	7
66	Synthesis of novel 1,2,5-trisubstituted benzimidazoles as potential antitumor agents. European Journal of Medicinal Chemistry, 2011, 46, 4062-4070.	5.5	82
67	Efficient microwave-assisted synthesis and antitumor activity of novel 4,4â€²-methylenebis[2-(3-aryl-4,5-dihydro-1H-pyrazol-5-yl)phenols]. European Journal of Medicinal Chemistry, 2011, 46, 2436-2440.	5.5	23
68	Synthesis, structural elucidation and catalytic activity toward a model Mizorokiâ€“Heck Câ€“C coupling reaction of the pyrazolic TrÃ¶gerâ€™s base Pd4Cl8(PzTB)2 complex. Journal of Organometallic Chemistry, 2011, 696, 1834-1839.	1.8	10
69	An efficient synthesis of pyrazolo[3,4-b]pyridine-4-spiroindolinones by a three-component reaction of 5-aminopyrazoles, isatin, and cyclic Î²-diketones. Tetrahedron Letters, 2011, 52, 2664-2666.	1.4	94
70	Design and synthesis of novel benzopyrazolodiazepinones via intra-molecular alkylation of Î±-alkylcarbonyl radicals mediated by dilauroylperoxide. Tetrahedron Letters, 2011, 52, 3998-4000.	1.4	6
71	A Simple Oneâ€Pot Synthesis of New Imidazolâ€2â€ylâ€1Hâ€quinolinâ€2â€ones from the Direct Reaction of 2â€Chloroquinolinâ€3â€carbaldehyde with Aromatic oâ€Diamines. European Journal of Organic Chemistry, 2010, 2010, 317-325.	2.4	18
72	An Efficient Synthesis of 7â€(Arylmethyl)â€3â€tertâ€butylâ€1â€phenylâ€6,7â€dihydroâ€1H,4Hâ€pyrazolo[3,4â€d][1,3]oxazines. European Journal of Organic Chemistry, 2010, 2010, 6454-6463.	2.4	28

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73	Microwave-assisted synthesis of pyrazolo[3,4-b]pyridine-spirocycloalkanediones by three-component reaction of 5-aminopyrazole derivatives, paraformaldehyde and cyclic Î²-diketones. Tetrahedron Letters, 2010, 51, 4717-4719.	1.4	45
74	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. Bioorganic and Medicinal Chemistry, 2010, 18, 4965-4974.	3.0	179
75	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. European Journal of Medicinal Chemistry, 2010, 45, 2841-2846.	5.5	25
76	N-(3-tert-Butyl-1-phenyl-1H-pyrazol-5-yl)-N-(4-methoxybenzyl)acetamide: a hydrogen-bonded chain of centrosymmetric rings. Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, o64-o66.	0.4	2
77	Hydrogen-bonding patterns in three substitutedN-benzyl-N-(3-tert-butyl-1-phenyl-1H-pyrazol-5-yl)acetamides. Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, o168-o173.	0.4	1
78	Seven 5-benzylamino-3-tert-butyl-1-phenyl-1H-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
79	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. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, o423-o430.	0.4	3
80	3-[(E)-(3-tert-Butyl-1-phenyl-1H-pyrazol-5-yl)iminomethyl]quinolin-2(1H)-one: chains built by Ï€-stacking of hydrogen-bondedR22(8) dimers. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, o495-o497.	0.4	1
81	Unexpected intramolecular cyclization of some 2â€²-aminochalcones to indolin-3-ones mediated by AmberlystÂ®-15. Tetrahedron Letters, 2008, 49, 5028-5031.	1.4	16
82	Synthesis of novel 5-amino-1-aroylpyrazoles. Tetrahedron Letters, 2008, 49, 5943-5945.	1.4	21
83	A Simple Twoâ€Step Sequence for the Synthesis of Novel 4â€Arylâ€4,5â€dihydroâ€6Hâ€[1,3]dioxolo[4,5â€h]pyrrolo[1,2â€a][1]benzazepinâ€6â€one from 6â€Aminoâ€3,4â€methylenedioxyacetophenone. European Journal of Organic Chemistry, 2008, 2008, 4684-4689.	2.4	17
84	Microwave induced synthesis of novel 8,9-dihydro-7H-pyrimido[4,5-b][1,4]diazepines as potential antitumor agents. European Journal of Medicinal Chemistry, 2008, 43, 1955-1962.	5.5	45
85	Synthesis of new indeno[1,2-e]pyrimido[4,5-b][1,4]diazepine-5,11-diones as potential antitumor agents. Bioorganic and Medicinal Chemistry, 2008, 16, 8492-8500.	3.0	39
86	Microwave-assisted synthesis of pyrazolo[3,4-d]pyrimidines from 2-amino-4,6-dichloropyrimidine-5-carbaldehyde under solvent-free conditions. Tetrahedron Letters, 2008, 49, 3257-3259.	1.4	45
87	Regioselective synthesis of novel substituted pyrazolo[1,5-a]pyrimidines under solvent-free conditions. Tetrahedron Letters, 2008, 49, 6254-6256.	1.4	60
88	An Amberlyst-15Â® Mediated Synthesis of New Functionalized Dioxoloquinolinone Derivatives. Open Organic Chemistry Journal, 2008, 2, 26-34.	0.9	11
89	Regioselective synthesis of fused benzopyrazolo[3,4-b]quinolines under solvent-free conditions. Tetrahedron Letters, 2007, 48, 1987-1990.	1.4	66
90	Regioselective synthesis of novel polyfunctionally substituted pyrazolo[1,5-a]pyrimidines under solvent-free conditions. Tetrahedron Letters, 2007, 48, 6352-6355.	1.4	50

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91	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. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o29-o32.	0.4	2
92	Synthesis of novel hydropyrazolopyridine derivatives in solvent-free conditions via benzotriazole methodology. Tetrahedron, 2004, 60, 8839-8843.	1.9	19
93	An unexpected chemical behavior of 5-N-(benzotriazol-1-ylmethyl)amino-3-tert-butyl-1-phenylpyrazole. Tetrahedron Letters, 2002, 43, 5617-5620.	1.4	15
94	Synthesis of pyrazole and pyrimidine TrÃ¶ger's-base analogues. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1588-1591.	1.3	14
95	Synthesis and structural analysis of 5â€cyanodihydropyrazolo[3,4â€b]pyridines. Journal of Heterocyclic Chemistry, 2001, 38, 53-60.	2.6	62
96	A versatile synthesis of 4,5â€dihydropyrrolo[1,2â€a]quinoxalines. Journal of Heterocyclic Chemistry, 2001, 38, 671-674.	2.6	28