

# Braulio Insuasty

## List of Publications by Year in descending order

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80  
papers

2,346  
citations

201674

27  
h-index

223800

46  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2760  
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 and antifungal activity of (Z)-5-arylidenerhodanines. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 484-494.	3.0	175
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	A regioselective three-component one-step cyclocondensation to 6-cyano-5,8-dihydropyrido[2,3-d]pyrimidin-4(3H)-ones. Using microwaves under solvent-free conditions. <i>Tetrahedron Letters</i> , 2001, 42, 5625-5627.	1.4	69
10	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
11	New chalcone-sulfonamide hybrids exhibiting anticancer and antituberculosis activity. <i>European Journal of Medicinal Chemistry</i> , 2019, 176, 50-60.	5.5	56
12	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
13	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
14	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
15	A novel product from the reaction of 6-aminopyrimidines and 3-formylchromone. <i>Tetrahedron Letters</i> , 2002, 43, 9061-9063.	1.4	45
16	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
17	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
18	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

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19	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
20	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
21	Synthesis of New 1,3,5-Triazine-Based 2-Pyrazolines as Potential Anticancer Agents. <i>Molecules</i> , 2018, 23, 1956.	3.8	37
22	Synthesis and Antifungal <i>in Vitro</i> 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
23	Antimicrobial Activity of Quinoline-Based Hydroxyimidazolium Hybrids. <i>Antibiotics</i> , 2019, 8, 239.	3.7	34
24	2-(1,1-dicyanomethylene)rhodanine: A novel, efficient electron acceptor. <i>Dyes and Pigments</i> , 2011, 88, 385-390.	3.7	31
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	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
27	Efficient Catalyst-Free Four-Component Synthesis of Novel $\beta$ -Aminoethers Mediated by a Mannich Type Reaction. <i>ACS Combinatorial Science</i> , 2013, 15, 2-9.	3.8	28
28	Organic dyes containing 2-(1,1-dicyanomethylene)rhodanine as an efficient electron acceptor and anchoring unit for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2014, 107, 9-14.	3.7	28
29	Microwave-assisted synthesis of fused pyrazolo[3,4-b]pyrazines by the reaction of ortho-aminonitrosopyrazoles and cyclic $\beta$ -diketones. <i>Tetrahedron Letters</i> , 2012, 53, 3181-3187.	1.4	26
30	An Efficient Synthesis of 7-(Arylmethyl)-3-tert-butyl-1-phenyl-6,7-dihydro-1,4-pyrazolo[3,4-b]pyridine[1,3]oxazines. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6454-6463.		
31	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
32	Microwave-Assisted Synthesis of Diversely Substituted Quinoline-Based Dihydropyridopyrimidine and Dihydropyrazolopyridine Hybrids. <i>ACS Combinatorial Science</i> , 2017, 19, 555-563.	3.8	25
33	New aspects on the selective synthesis of 7-arylpyrido[2,3-d]pyrimidines. <i>Tetrahedron</i> , 2002, 58, 4873-4877.	1.9	23
34	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
35	Synthesis, structures, electrochemical studies and antioxidant activity of 5-aryl-4-oxo-3,4,5,8-tetrahydropyrido[2,3-d]pyrimidine-7-carboxylic acids. <i>Journal of Molecular Structure</i> , 2016, 1120, 294-301.	3.6	22
36	Synthesis of novel 5-amino-1-arylpyrazoles. <i>Tetrahedron Letters</i> , 2008, 49, 5943-5945.	1.4	21

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37	Three practical approaches for the synthesis of novel 4,7-dihetarylpyrazolo[1,5-a][1,3,5]triazines. <i>Tetrahedron</i> , 2012, 68, 9384-9390.	1.9	21
38	New thiazolylâ€pyrazoline derivatives bearing nitrogen mustard as potential antimicrobial and antiprotozoal agents. <i>Archiv Der Pharmazie</i> , 2020, 353, e1900351.	4.1	21
39	Antioxidant activity and free radical-scavenging capacity of a selection of wild-growing Colombian plants. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 2399-2406.	3.5	19
40	Synthesis of 1â€Substituted 3â€Arylâ€5â€Aryl(hetaryl)â€2â€pyrazolines and Study of Their Antitumor Activity. <i>Archiv Der Pharmazie</i> , 2012, 345, 275-286.	4.1	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	Novel quinolineâ€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
45	Synthesis of novel light harvesters based on perylene imides linked to triphenylamines for Dyes Sensitized Solar Cells. <i>Dyes and Pigments</i> , 2018, 153, 182-188.	3.7	15
46	Azatruxeneâ€Based, Dumbbellâ€Shaped, Donorâ€â€Bridgeâ€Donor Holeâ€Transporting Materials for Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2020, 26, 11039-11047.	3.3	15
47	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
48	Synthesis of new bisâ€3,5â€diphenylpyrazolines derivatives linked with alkyl chains. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 1521-1524.	2.6	11
49	Onâ€Line Activity Screening for Radical Scavengers from <i>Baccharis chilco</i> . <i>Chemistry and Biodiversity</i> , 2013, 10, 189-197.	2.1	11
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	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
52	The reaction of 2,4,5,6â€tetraaminopyrimidine with chalcones. <i>Journal of Heterocyclic Chemistry</i> , 2000, 37, 193-194.	2.6	10
53	A facile synthesis of stable Î²-amino-N-/O-hemiacetals through a catalyst-free three-component Mannich-type reaction. <i>Tetrahedron Letters</i> , 2017, 58, 1490-1494.	1.4	10
54	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

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55	Anticancer activity of pyrimidodiazepines based on 2-chloro-4-anilinoquinazoline: synthesis, DNA binding and molecular docking. <i>RSC Advances</i> , 2021, 11, 23310-23329.	3.6	10
56	Annelation of pyrrolo[1,2-a]pyrimidine and pyrido[1,2-a]pyrimidine systems to a pyrazolopyridine framework by a cascade of two cyclization reactions. <i>Tetrahedron Letters</i> , 2015, 56, 2917-2921.	1.4	9
57	Catalyst-free assembly of giant tris(heteroaryl)methanes: synthesis of novel pharmacophoric triads and model sterically crowded tris(heteroaryl)aryl methyl cation salts. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 642-654.	2.2	9
58	Synthesis of 4-arylamino-2,3,6,7-tetrahydro-1H-pyrimido[4,5-b][1,4]diazepin-6-ones from 4,5-diamino-1H-pyrimidin-6-ones and 1-arylamino-3-(dimethylamino)propanones. <i>Journal of Heterocyclic Chemistry</i> , 1998, 35, 1397-1399.	1.6	8
59	Design, synthesis, and molecular docking study of novel quinoline-based bis-chalcones as potential antitumor agents. <i>Archiv Der Pharmazie</i> , 2021, 354, e2100094.	4.1	8
60	Microwave-assisted synthesis of new regioisomeric 6,7-dihydroindeno[1,2-a]pyrimido[4,5-b][1,4]diazepin-5(5aH)-ones. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 1659-1663.	2.6	7
61	Catalyst free three-component synthesis of ( $\Delta^{\pm}$ )-pyrazolopyrrolopyrroles by 1,3-dipolar cycloaddition reaction. <i>Tetrahedron Letters</i> , 2011, 52, 5471-5473.	1.4	7
62	Microwave assisted synthesis of a series of charge-transfer photosensitizers having quinoxaline-2(1H)-one as anchoring group onto TiO <sub>2</sub> surface. <i>Journal of Molecular Structure</i> , 2017, 1133, 384-391.	3.6	7
63	Selenophene-Based Hole-Transporting Materials for Perovskite Solar Cells. <i>ChemPlusChem</i> , 2021, 86, 1006-1013.	2.8	7
64	Highly Efficient and Diastereoselective Synthesis of New Pyrazolopyrrolizine and Pyrazolopyrrolidine Derivates by a Three-Component Domino Process. <i>Molecules</i> , 2014, 19, 4284-4300.	3.8	6
65	5-(Indol-2-yl)pyrazolo[3,4-b]pyridines as a New Family of TASK-3 Channel Blockers: A Pharmacophore-Based Regioselective Synthesis. <i>Molecules</i> , 2021, 26, 3897.	3.8	6
66	Antimycobacterial Activity of Pyrimido[4,5-b]diazepine Derivatives. <i>Archiv Der Pharmazie</i> , 2012, 345, 739-744.	4.1	5
67	Efficient Synthesis of Novel 3-Arylamino-4-chloro-2-morpholinothiazolo[5-a]pyrazolo[4,5-b]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
68	Reduced 3,4-bipyrazoles from a simple pyrazole precursor: synthetic sequence, molecular structures and supramolecular assembly. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 784-790.	0.5	5
69	Design and Synthesis of New 6-Nitro and 6-Amino-3,3a,4,5-Tetrahydro-2H-Benzo[g]indazole Derivatives: Antiproliferative and Antibacterial Activity. <i>Molecules</i> , 2019, 24, 4236.	3.8	5
70	Synthesis of New Oxindoles and Determination of Their Antibacterial Properties. <i>Heteroatom Chemistry</i> , 2020, 2020, 1-9.	0.7	5
71	Synthesis and Structure Elucidation of New Regioisomeric 2-Alkylamino-3,9-dihydropyrimido[4,5-b][1,4]diazepin-4(7H)-ones. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 196-202.	1.7	4
72	3,3'-bis-[(1R,3S)-2-Oxocyclohexane-1,3-diyl]bis[(3R,3'-S)-3-hydroxyindolin-2-one] dihydrate: organic layers of R <sub>2</sub> S <sub>2</sub> (8), R <sub>2</sub> S <sub>2</sub> (16) and R <sub>6</sub> S <sub>6</sub> (40) rings linked by tetrameric water aggregates. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1081-1084.	0.4	3

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73	6-(4-Amino-1-methyl-2-(methylthio)-6-oxo-1,6-dihydro-pyrimidin-5-yl)-3,6-dimethyl-2-(methylthio)-6,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5(1H)-one. MolBank, 2015, 2015, M842.	0.5	2
74	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
75	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
76	New organic photosensitizers based on triphenylamine and hydantoin as anchoring group onto TiO2 Surface. Journal of Molecular Structure, 2022, 1251, 132072.	3.6	2
77	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
78	(9E)-9-Benzylidene-2-methylsulfanyl-5-phenyl-6,7,8,9-tetrahydropyrimido[4,5-b]quinolin-4(3H)-one: a hydrogen-bonded R22(8) dimer. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 1524-1526.	0.4	0
79	(E)-3-{4-[(7-Chloroquinolin-4-yl)oxy]-3-methoxyphenyl}-1-(4-methylphenyl)prop-2-en-1-one: a ladder-like structure resulting solely from Î€Î€Î€ stacking interactions. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 677-680.	0.5	0
80	3-â€²-Methyl-2-oxo-1-â€²,5-â€²-diphenyl-1-â€²,7-â€²-dihydrospiro[indoline-3,4-â€²-pyrazolo[3,4-b]pyridine]-6-â€²-carboxylic Acid. MolBank, 2021, 2021, M1214.	0.3	0