

Braulio Insuasty

List of Publications by Year in descending order

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80
papers

2,346
citations

201674

27
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223800

46
g-index

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all docs

84
docs citations

84
times ranked

2760
citing authors

#	ARTICLE	IF	CITATIONS
1	New organic photosensitizers based on triphenylamine and hydantoin as anchoring group onto TiO ₂ Surface. <i>Journal of Molecular Structure</i> , 2022, 1251, 132072.	3.6	2
2	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
3	Three-component one-pot synthesis of new spiro[indoline-pyrrolidine] derivatives mediated by 1,3-dipolar reaction and DFT analysis. <i>Monatshefte für Chemie</i> , 2021, 152, 497-506.	1.8	1
4	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
5	3-Methyl-2-oxo-1,5-diphenyl-7-dihydrospiro[indoline-3,4-pyrazolo[3,4-b]pyridine]-6-carboxylic Acid ₀ . <i>MolBank</i> , 2021, 2021, M1214.	0.5	0
6	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
7	Selenophene-Based Hole-Transporting Materials for Perovskite Solar Cells. <i>ChemPlusChem</i> , 2021, 86, 1006-1013.	2.8	7
8	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
9	New thiazolopyrazoline derivatives bearing nitrogen mustard as potential antimicrobial and antiprotozoal agents. <i>Archiv Der Pharmazie</i> , 2020, 353, e1900351.	4.1	21
10	Azatruxene-Based, Dumbbell-Shaped, Donor-Bridge-Donor Hole-Transporting Materials for Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2020, 26, 11039-11047.	3.3	15
11	Synthesis of New Oxindoles and Determination of Their Antibacterial Properties. <i>Heteroatom Chemistry</i> , 2020, 2020, 1-9.	0.7	5
12	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
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	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
15	Antimicrobial Activity of Quinoline-Based Hydroxyimidazolium Hybrids. <i>Antibiotics</i> , 2019, 8, 239.	3.7	34
16	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
17	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
18	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

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19	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
20	Synthesis of New 1,3,5-Triazine-Based 2-Pyrazolines as Potential Anticancer Agents. <i>Molecules</i> , 2018, 23, 1956.	3.8	37
21	A facile synthesis of stable β -amino-N-/O-hemiacetals through a catalyst-free three-component Mannich-type reaction. <i>Tetrahedron Letters</i> , 2017, 58, 1490-1494.	1.4	10
22	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
23	Microwave assisted synthesis of a series of charge-transfer photosensitizers having quinoxaline-2(1H)-one as anchoring group onto TiO ₂ surface. <i>Journal of Molecular Structure</i> , 2017, 1133, 384-391.	3.6	7
24	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
25	Microwave-Assisted Synthesis of Diversely Substituted Quinoline-Based Dihydropyridopyrimidine and Dihydropyrazolopyridine Hybrids. <i>ACS Combinatorial Science</i> , 2017, 19, 555-563.	3.8	25
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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-2-one. <i>MolBank</i> , 2015, 2015, M842.	0.5	2
35	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
36	(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 π - π stacking interactions. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 677-680.	0.5	0

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37	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
38	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
39	Synthesis and Structure Elucidation of New Regioisomeric 2-alkylamino-6-aryl-8,9-dihydropyrimido[4,5-b][1,4]diazepin-4(7H)-ones. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 196-202.	4.7	4
40	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
41	Efficient Synthesis of Novel 3-aryl-4-(4-chloro-2-morpholinothiazol-5-yl)-4,5-dihydro-1H-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
42	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
43	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
44	Highly Efficient and Diastereoselective Synthesis of New Pyrazolylpyrrolizine and Pyrazolylpyrrolidine Derivates by a Three-Component Domino Process. <i>Molecules</i> , 2014, 19, 4284-4300.	3.8	6
45	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
46	(9E)-9-Benzylidene-2-methylsulfanyl-5-phenyl-6,7,8,9-tetrahydropyrimido[4,5-b]quinolin-4(3H)-one: a hydrogen-bonded R ₂₂ (8) dimer. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1524-1526.	0.4	0
47	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
48	Efficient Catalyst-Free Four-Component Synthesis of Novel Î³-Aminoethers Mediated by a Mannich Type Reaction. <i>ACS Combinatorial Science</i> , 2013, 15, 2-9.	3.8	28
49	Online Activity Screening for Radical Scavengers from <i>Baccharis chilco</i> . <i>Chemistry and Biodiversity</i> , 2013, 10, 189-197.	2.1	11
50	3,3-â€²-[(1 <i>RS</i>),3 <i>SR</i>]-2-Oxocyclohexane-1,3-diyl]bis[(3 <i>RS</i>),3-â€² <i>SR</i>]-3-hydroxyindolin-2-one] dihydrate: organic layers of <i>R</i> ₂ (8), <i>R</i> ₂ (16) and <i>R</i> ₆ (40) rings linked by tetrameric water aggregates. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1081-1084.	0.4	3
51	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. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	2
52	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
53	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
54	Synthesis of 1-substituted 3-aryl-5-aryl(hetaryl)-2-pyrazolines and Study of Their Antitumor Activity. <i>Archiv Der Pharmazie</i> , 2012, 345, 275-286.	4.1	18

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55	Antimycobacterial Activity of Pyrimido[4,5-b]diazepine Derivatives. <i>Archiv Der Pharmazie</i> , 2012, 345, 739-744.	4.1	5
56	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
57	Catalyst free three-component synthesis of (±)-pyrazolopyrrolopyrroles by 1,3-dipolar cycloaddition reaction. <i>Tetrahedron Letters</i> , 2011, 52, 5471-5473.	1.4	7
58	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
59	2-(1,1-dicyanomethylene)rhodanine: A novel, efficient electron acceptor. <i>Dyes and Pigments</i> , 2011, 88, 385-390.	3.7	31
60	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
61	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
62	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
63	An Efficient Synthesis of 7-(Arylmethyl)-3-tert-butyl-1-phenyl-6,7-dihydro-1H-pyrazolo[3,4-b]pyridine-4-spiroindolinones. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6454-6463.		
64	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
65	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
66	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
67	Synthesis of novel 5-amino-1-arylpyrazoles. <i>Tetrahedron Letters</i> , 2008, 49, 5943-5945.	1.4	21
68	Synthesis of new bis(3,5-diphenyl)pyrazolines derivatives linked with alkyl chains. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 1521-1524.	2.6	11
69	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
70	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
71	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
72	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

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73	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
74	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
75	Synthesis and antifungal activity of (Z)-5-arylidenerhodanines. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 484-494.	3.0	175
76	New aspects on the selective synthesis of 7-arylpyrido[2,3-d]pyrimidines. <i>Tetrahedron</i> , 2002, 58, 4873-4877.	1.9	23
77	A novel product from the reaction of 6-aminopyrimidines and 3-formylchromone. <i>Tetrahedron Letters</i> , 2002, 43, 9061-9063.	1.4	45
78	A regiospecific 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
79	The reaction of 2,4,5,6-tetraaminopyrimidine with chalcones. <i>Journal of Heterocyclic Chemistry</i> , 2000, 37, 193-194.	2.6	10
80	Synthesis of 4-aryl-2,3,6,7-tetrahydro-1 <i>H</i> -pyrimido[4,5- <i>b</i>][1,4]diazepin-6-ones from 4,5-diamino-1 <i>H</i> -pyrimidin-6-ones and 1-aryl-3-(dimethylamino)-1-propanones. <i>Journal of Heterocyclic Chemistry</i> , 1998, 35, 1397-1399.		