

# Paulo Roberto Ribeiro Costa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2174877/publications.pdf>

Version: 2024-02-01

162  
papers

2,343  
citations

236925

25  
h-index

345221

36  
g-index

189  
all docs

189  
docs citations

189  
times ranked

2349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and characterization of coumestans as novel HCV NS5B polymerase inhibitors. <i>Nucleic Acids Research</i> , 2008, 36, 1482-1496.	14.5	96
2	Synthesis and preliminary pharmacological evaluation of new ( $\hat{A}\pm$ ) 1,4-naphthoquinones structurally related to lapachol. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 2731-2738.	3.0	76
3	Synthesis and preliminary pharmacological evaluation of coumestans with different patterns of oxygenation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 283-286.	2.2	68
4	LQB-118, an orally active pterocarpanquinone, induces selective oxidative stress and apoptosis in <i>Leishmania amazonensis</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 789-799.	3.0	57
5	Syn-Selective Michael Addition of Nitromethane Derivatives to Enoates Derived from (R)-(+)-Glyceraldehyde Acetonide. <i>Journal of Organic Chemistry</i> , 1997, 62, 4002-4006.	3.2	49
6	Palladium-Catalyzed Tandem Heck-Lactonization fromo-Iodophenols and Enoates: Synthesis of Coumarins and the Study of the Mechanism by Electrospray Ionization Mass Spectrometry. <i>Journal of Organic Chemistry</i> , 2010, 75, 7085-7091.	3.2	48
7	Structure-activity relationship of wedelolactone analogues: Structural requirements for inhibition of Na <sup>+</sup> ,K <sup>+</sup> -ATPase and binding to the central benzodiazepine receptor. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 7962-7966.	3.0	47
8	Comparison of the cytotoxic effect of lapachol, $\hat{I}\pm$ -lapachone and pentacyclic 1,4-naphthoquinones on human leukemic cells. <i>Investigational New Drugs</i> , 2010, 28, 139-144.	2.6	47
9	Antitumoral, antileishmanial and antimalarial activity of pentacyclic 1,4-naphthoquinone derivatives. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 176-182.	0.6	46
10	Efficient synthesis of cytotoxic quinones: 2-acetyl-4-hydroxy-9-hydroxy-1,4-naphtho[2,3-b]furan-4,9-dione ( <b>6</b> ) and ( $\hat{A}\pm$ )-2-(1-hydroxyethyl)-4-hydroxy-9-hydroxy-1,4-naphtho[2,3-b]furan-4,9-dione ( <b>7</b> ). <i>Journal of Heterocyclic Chemistry</i> , 1984, 21, 621-622.	2.6	45
11	Synthesis and pharmacological evaluation of prenylated and benzylated pterocarpanquinones against snake venom. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 431-435.	2.2	42
12	Pterocarpanquinones, aza-pterocarpanquinone and derivatives: Synthesis, antineoplastic activity on human malignant cell lines and antileishmanial activity on <i>Leishmania amazonensis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6885-6891.	3.0	42
13	New pterocarpanquinones: Synthesis, antineoplastic activity on cultured human malignant cell lines and TNF- $\hat{I}\pm$ modulation in human PBMC cells. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 1610-1616.	3.0	41
14	Interaction between bioactive compound 11a-N-tosyl-5-deoxy-pterocarpan (LQB-223) and Calf thymus DNA: Spectroscopic approach, electrophoresis and theoretical studies. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 223-233.	7.5	36
15	Effectiveness of the local or oral delivery of the novel naphthopterocarpanquinone LQB-118 against cutaneous leishmaniasis. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 1555-1559.	3.0	35
16	Asymmetric Michael addition of chiral imines to phenylvinylsulfone: Preparation of key chiral building blocks for the synthesis of <i>Aspidosperma</i> and <i>Hunteria</i> alkaloids.. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 199-202.	1.8	31
17	Safrol e eugenol: estudo da reatividade qumica e uso em sntese de produtos naturais biologicamente ativos e seus derivados. <i>Quimica Nova</i> , 2000, 23, 357-369.	0.3	31
18	LQB-118, a pterocarpanquinone structurally related to lapachol [2-hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthoquinone]: a novel class of agent with high apoptotic effect in chronic myeloid leukemia cells. <i>Investigational New Drugs</i> , 2011, 29, 1143-1155.	2.6	31

#	ARTICLE	IF	CITATIONS
19	$\hat{\pm}$ -Phenyl-N-tert-butyl nitron (PBN) derivatives: Synthesis and protective action against microvascular damages induced by ischemia/reperfusion. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3572-3578.	3.0	30
20	Diastereoselective Michael Addition of Nitromethane to Enoates Derived From (R)-Glyceraldehyde Acetonide. <i>Synthesis</i> , 1994, 1994, 474-476.	2.3	29
21	( $\hat{\pm}$ )-3,4-Dihydroxy-8,9-methylenedioxypterocarpan and derivatives: Cytotoxic effect on human leukemia cell lines. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 920-925.	5.5	29
22	Switching Diastereoselectivity in Catalytic Enantioselective (3+2) Cycloadditions of Azomethine Ylides Promoted by Metal Salts and Privileged Segphos-Derived Ligands. <i>Journal of Organic Chemistry</i> , 2019, 84, 10593-10605.	3.2	29
23	Binap-silver salts as chiral catalysts for the enantioselective 1,3-dipolar cycloaddition of azomethine ylides and alkenes. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 1596-1606.	1.8	28
24	Expeditious, stereocontrolled syntheses of racemic and natural brasilenol through intramolecular asymmetry transfer. Absolute stereochemistry of brasilenol. <i>Journal of Organic Chemistry</i> , 1987, 52, 1169-1170.	3.2	25
25	Ability of a synthetic coumestan to antagonize Bothrops snake venom activities. <i>Toxicon</i> , 2010, 55, 488-496.	1.6	25
26	Asymmetric Friedel-Crafts reaction mediated by new chiral auxiliaries derived from (1S)-( $\hat{\alpha}$ )- $\hat{1}^2$ -pinene: Enantioselective synthesis of ( $\hat{\alpha}$ )-8-Norethyl, $\hat{1}^{\hat{2}}$ -normethyl Etodolac. <i>Tetrahedron Letters</i> , 1997, 38, 7021-7024.	1.4	23
27	Selective conjugate addition of nitromethane to enoates derived from d-mannitol and l-tartaric acid. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1025-1031.	1.8	23
28	New carbohydrate-based chiral auxiliaries in Diels-Alder reaction. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 2671-2680.	1.8	22
29	2-Methoxy-3,8,9-trihydroxy coumestan: a new synthetic inhibitor of Na <sup>+</sup> ,K <sup>+</sup> -ATPase with an original mechanism of action. <i>Biochemical Pharmacology</i> , 2003, 66, 2169-2176.	4.4	22
30	Evaluation of Coumarin and Neoflavone Derivatives as HCV NS5B Polymerase Inhibitors. <i>Chemical Biology and Drug Design</i> , 2013, 81, 607-614.	3.2	22
31	Preclinical Studies Evaluating Subacute Toxicity and Therapeutic Efficacy of LQB-118 in Experimental Visceral Leishmaniasis. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3794-3801.	3.2	22
32	Bifunctional primary amine 2-aminobenzimidazole organocatalyst anchored to trans-cyclohexane-1,2-diamine in enantioselective conjugate additions of aldehydes. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 118-122.	1.8	22
33	Synthesis of $\hat{1}^2$ -amino arylketones through the addition of ArLi derivatives to $\hat{1}^2$ -aminoesters. <i>Tetrahedron Letters</i> , 2001, 42, 3525-3527.	1.4	21
34	A new type of pterocarpanquinone that affects <i>Toxoplasma gondii</i> tachyzoites in vitro. <i>Veterinary Parasitology</i> , 2012, 186, 261-269.	1.8	21
35	Antileishmanial Activity of Ezetimibe: Inhibition of Sterol Biosynthesis, <i>In Vitro</i> Synergy with Azoles, and Efficacy in Experimental Cutaneous Leishmaniasis. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6844-6852.	3.2	21
36	A Convenient Synthesis of ( $\hat{\pm}$ )-4-Prenylpterocarpan. <i>Synthesis</i> , 1992, 1992, 914-916.	2.3	20

#	ARTICLE	IF	CITATIONS
37	Palladium-catalyzed oxyarylation of olefins using silver carbonate as the base. Probing the mechanism by electrospray ionization mass spectrometry. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2062-2067.	1.8	20
38	<i>N</i> -tert-Butanesulfinyl imines in the asymmetric synthesis of nitrogen-containing heterocycles. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 1096-1140.	2.2	20
39	Pterocarpanquinone LQB-118 Induces Apoptosis in <i>Leishmania (Viannia) braziliensis</i> and Controls Lesions in Infected Hamsters. <i>PLoS ONE</i> , 2014, 9, e109672.	2.5	20
40	Trans-2-Arylcyclohexanols: Use as auxiliaries in the mukaiyama aldol-type condensation between silyl enol esters and aldehydes. <i>Tetrahedron Letters</i> , 1992, 33, 4921-4922.	1.4	19
41	Formal synthesis of ( $\hat{\alpha}$ )-Vallesamidine A 2,2,3-trialkylindoline alkaloid. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 1499-1500.	1.8	19
42	Iodination of phenols in water using easy to handle amine-iodine complexes. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1916-1920.	0.6	19
43	Asymmetric Transfer Hydrogenation of Arylidene-Substituted Chromanones and Tetralones Catalyzed by Noyori's $\text{Ru(II)}$ Complexes: One-Pot Reduction of $\text{C}=\text{C}$ and $\text{C}=\text{O}$ bonds. <i>Journal of Organic Chemistry</i> , 2021, 86, 4849-4858.	3.2	19
44	<i>N</i> -tert-Butyl and <i>N</i> -methyl nitrones derived from aromatic aldehydes inhibit macromolecular permeability increase induced by ischemia/reperfusion in hamsters. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3995-3998.	3.0	18
45	Synthesis of Dimethoxyfuranonaftoquinones. <i>Synthetic Communications</i> , 1988, 18, 1731-1742.	2.1	17
46	Total synthesis of pterocarpan: ( $\hat{\alpha}$ )-neorautenane. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995, 949-951.	0.9	17
47	Synthesis and structural determination of new chiral auxiliaries derived from ( $\hat{\alpha}$ )- $\hat{\beta}$ -pinene. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 579-583.	1.8	17
48	A tandem palladium-catalyzed Heck-lactonization through the reaction of ortho-iodophenols with $\hat{\beta}$ -substituted acrylates: synthesis of 4,6-substituted coumarins. <i>Tetrahedron Letters</i> , 2008, 49, 3322-3325.	1.4	17
49	Synthesis of Chromen[4,3- <i>b</i> ]pyrrolidines by Intramolecular 1,3-Dipolar Cycloadditions of Azomethine Ylides: An Experimental and Computational Assessment of the Origin of Stereocontrol. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4689-4698.	2.4	17
50	Enantioselective Synthesis, DFT Calculations, and Preliminary Antineoplastic Activity of Dibenzo 1-Azaspiro[4.5]decanes on Drug-Resistant Leukemias. <i>Journal of Organic Chemistry</i> , 2019, 84, 2219-2233.	3.2	17
51	Theoretical and Experimental Studies of New Modified Isoflavonoids as Potential Inhibitors of Topoisomerase I from <i>Plasmodium falciparum</i> . <i>PLoS ONE</i> , 2014, 9, e91191.	2.5	17
52	New chiral auxiliaries derived from $\hat{\beta}$ -pinene: Their use in the asymmetric reduction of $\hat{\beta}$ -keto-esters. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 353-356.	1.8	16
53	Enantioselective synthesis of (R)-(+)- $\hat{\beta}$ -piperonyl- $\hat{\beta}$ -butyrolactone. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 1219-1220.	1.8	16
54	Stereocontrolled elaboration of quaternary carbon centers involving the asymmetric michael-type alkylation of chiral imines: an efficient enantioselective access to (+)-vincamine. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1963-1966.	1.8	16

#	ARTICLE	IF	CITATIONS
55	DBU as a catalyst for the synthesis of amides via aminolysis of methyl esters. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 2186-2190.	0.6	16
56	The pterocarpanquinone LQB 118 induces apoptosis in tumor cells through the intrinsic pathway and the endoplasmic reticulum stress pathway. <i>Anti-Cancer Drugs</i> , 2013, 24, 73-83.	1.4	16
57	Asymmetric hydrogenation and transfer hydrogenation in the enantioselective synthesis of flavonoids. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1165-1194.	4.5	16
58	Synthesis of chiral pyrrolidine and pyrrole derivatives through the chemoselective Dieckmann reaction of $\alpha,\beta$ -aminodiesteres. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 4239-4243.	1.8	15
59	A practical and efficient preparation of ( $\alpha^*$ )-(4a <i>S</i> ,5 <i>R</i> )-4,4a,5,6,7,8-hexahydro-4a,5-dimethyl-2(3 <i>H</i> )-naphthalenone: a key intermediate in the synthesis of ( $\alpha^*$ )-dehydrofukinone. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 579-584.	1.8	15
60	Characterization of a new synthetic isoflavonoid with inverse agonist activity at the central benzodiazepine receptor. <i>European Journal of Pharmacology</i> , 2004, 495, 87-96.	3.5	15
61	Stereoselective preparation of pyrrolidin-2-ones from a Z-enoate derived from d-(+)-mannitol. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2313-2314.	1.8	15
62	The pterocarpanquinone LQB-118 inhibits tumor cell proliferation by downregulation of c-Myc and cyclins D1 and B1 mRNA and upregulation of p21 cell cycle inhibitor expression. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3115-3122.	3.0	15
63	Synthesis and biological evaluation of $\alpha$ -aryl- $\beta$ -tetralone derivatives as hepatitis C virus inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2015, 93, 51-54.	5.5	15
64	Carbohydrates and Terpenes as Chiral Auxiliaries: the Stereoselective Synthesis of (+) or (-)- $\beta$ -Piperonyl- $\beta$ -Butirolactone. <i>Journal of the Brazilian Chemical Society</i> , 1996, 7, 67-73.	0.6	15
65	Asymmetric Friedel - Crafts Reaction: An Application to the Synthesis of an Etodolac Analogue. <i>Synthetic Communications</i> , 1996, 26, 3671-3676.	2.1	14
66	The regio- and stereoselective oxyamination of pinenes and camphene. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 3845-3848.	1.8	14
67	Synthesis of 5-deoxypterocarpens, pterocarpens, and coumestans by intramolecular Heck reaction. <i>Tetrahedron Letters</i> , 2009, 50, 3753-3755.	1.4	14
68	Selective synthesis of brasilenol, a novel sesquiterpene from the sea hare <i>Aplysia brasiliensis</i> and the red alga <i>Laurencia obtusa</i> . <i>Journal of Organic Chemistry</i> , 1986, 51, 4250-4253.	3.2	13
69	Regioselective Lithiation of Resorcinol Derivatives: Synthesis of Mono O-MOM- and O-Benzylresorcinols Prenylated at C-2 or C-4 Positions. <i>Synthesis</i> , 1999, 1999, 1017-1021.	2.3	13
70	4-Chromenesulphones: synthesis and transformation to isoflavonoid models. <i>Tetrahedron Letters</i> , 2002, 43, 6893-6895.	1.4	13
71	Microwave-Promoted Palladium-Catalysed Oxyarylation of Dihydronaphthalene and Chromenes by <i>o</i> -iodophenols and Its Acetates. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3313-3316.	2.4	13
72	Lapachol and synthetic derivatives: in vitro and in vivo activities against Bothrops snake venoms. <i>PLoS ONE</i> , 2019, 14, e0211229.	2.5	13

#	ARTICLE	IF	CITATIONS
73	The Therapeutical Potential of a Novel Pterocarpanquinone LQB-118 to Target Inhibitor of Apoptosis Proteins in Acute Myeloid Leukemia Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 341-351.	1.7	13
74	Enantioselective synthesis of substituted octalones. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 1433-1434.	1.8	12
75	The first synthesis of (+)-3,4-dihydroxy-8,9-methylenedioxypterocarpan, an antitumoral agent and its coumestan derivative. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 979-981.	0.6	12
76	Syn or anti Selective Michael addition of allyl phenyl sulphone and phenyl prenyl sulphone to enoates derived from D-mannitol. <i>Tetrahedron Letters</i> , 1998, 39, 5305-5308.	1.4	11
77	Formal enantioselective synthesis of (+)-vincamine. The first enantioselective route to (+)-3,14-epivincamine and its enantiomer. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 297-306.	1.8	11
78	11a-N-Tosyl-5-deoxy-pterocarpan (LQB-223), a promising prototype for targeting MDR leukemia cell lines. <i>European Journal of Medicinal Chemistry</i> , 2014, 78, 190-197.	5.5	11
79	The pterocarpanquinone LQB-118 induces apoptosis in acute myeloid leukemia cells of distinct molecular subtypes and targets FoxO3a and FoxM1 transcription factors. <i>International Journal of Oncology</i> , 2014, 45, 1949-1958.	3.3	11
80	Ligand-Free Palladium-Catalyzed Oxyarylation of Dihydronaphthalenes and Chromenequinone with o-Iodophenols and 3-Iodolawsone in PEG-400: An Efficient Synthesis of 5-Carbapterocarpanes and Pterocarpanquinones. <i>Synthesis</i> , 2015, 47, 3505-3512.	2.3	11
81	Synthesis of N-methylarylnitrones derived from alkyloxybenzaldehydes and antineoplastic effect on human cancer cell lines. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2053-2061.	3.0	11
82	2,3:4,5-Di-O-isopropylidene- $\beta$ -D-Fructopyranose as Chiral Auxiliary in Asymmetric $\alpha$ -Alkylation Of Ester Enolates. <i>Journal of Carbohydrate Chemistry</i> , 1996, 15, 691-699.	1.1	10
83	Insights into the mechanism of Na <sup>+</sup> ,K <sup>+</sup> -ATPase inhibition by 2-methoxy-3,8,9-trihydroxy coumestan. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8801-8805.	3.0	10
84	Further evidence that naphthoquinone inhibits <i>Toxoplasma gondii</i> growth in vitro. <i>Parasitology International</i> , 2015, 64, 622-631.	1.3	10
85	Non-competitive inhibitor of nucleoside hydrolase from <i>Leishmania donovani</i> identified by fragment-based drug discovery. <i>RSC Advances</i> , 2016, 6, 87738-87744.	3.6	10
86	Eugenol and safrole as starting materials for the synthesis of 3-alkyl muconic acid mono and dimethyl esters and 4,4-dialkyl butenolides. <i>Tetrahedron Letters</i> , 1985, 26, 4155-4158.	1.4	9
87	The 1,4-addition of organometallic reagents to enoates derived from pinanediol. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2513-2517.	1.8	9
88	Synergistic interaction between ouabain and 8-methoxy-3,9-dihydroxy coumestan, a non-steroidal synthetic inhibitor of Na <sup>+</sup> ,K <sup>+</sup> -ATPase. <i>Life Sciences</i> , 2007, 81, 1199-1204.	4.3	9
89	Synthesis of 5-Carbapterocarpanes by $\alpha$ -Arylation of Tetralones Followed by One-Pot Demethylation/Cyclization with BBr <sub>3</sub> . <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1314-1320.	2.4	9
90	The orally active pterocarpanquinone LQB-118 exhibits cytotoxicity in prostate cancer cell and tumor models through cellular redox stress. <i>Prostate</i> , 2018, 78, 140-151.	2.3	9

#	ARTICLE	IF	CITATIONS
91	11a-N-tosyl-5-carbapterocarpanes: Synthesis, antineoplastic evaluation and in silico prediction of ADMETox properties. <i>Bioorganic Chemistry</i> , 2018, 80, 585-590.	4.1	9
92	Enantioselective electrophilic fluorination of $\hat{1}\pm$ -aryl-tetralones using a preparation of N-fluoroammonium salts of cinchonine. <i>Journal of Fluorine Chemistry</i> , 2019, 217, 72-79.	1.7	9
93	Monocyclic Nitro-heteroaryl Nitrones with Dual Mechanism of Activation: Synthesis and Antileishmanial Activity. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1405-1412.	2.8	9
94	Vanillin (1) As Starting Material for the Synthesis of Isomeric Phthalides. <i>Synthetic Communications</i> , 1988, 18, 1723-1730.	2.1	8
95	Orthobromodiphenylmethane Derivatives as Starting Materials for the Total Synthesis of Anthraquinones. <i>Synthetic Communications</i> , 1996, 26, 4507-4518.	2.1	8
96	Crude D-(-)-Glyceraldehyde Obtained from D-Mannitol Diacetone by Oxidative Cleavage with Sodium Periodate: Its Reactions with Nucleophilic Species. <i>Synthetic Communications</i> , 2004, 34, 589-598.	2.1	8
97	BINAP-AgSbF <sub>6</sub> vs. BINAP-AgClO <sub>4</sub> Complexes as Catalysts for the Enantioselective 1,3-Dipolar Cycloaddition of Azomethine Ylides and Alkenes. <i>Synlett</i> , 2010, 2010, 962-966.	1.8	8
98	5-Carba-pterocarpanes: A new scaffold with anti-HCV activity. <i>European Journal of Medicinal Chemistry</i> , 2016, 112, 33-38.	5.5	8
99	Palladium-Catalyzed Oxyarylation, Azaarylation and $\alpha$ -Arylation Reactions in the Synthesis of Bioactive Isoflavonoid Analogues. <i>Current Organic Synthesis</i> , 2015, 12, 772-794.	1.3	8
100	Substâncias enantiomericamente puras (SEP): a questão dos fármacos quirais. <i>Química Nova</i> , 1997, 20, 647-656.	0.3	7
101	The Use of Chiral Auxiliaries Prepared from (-)- $\hat{1}$ -Pinene in Stereoselective Reduction of $\hat{1}$ -Ketobutyrate. <i>Synthetic Communications</i> , 2000, 30, 455-468.	2.1	7
102	Stereoselective synthesis and preliminary evaluation of new d-3-heteroarylcarbonylalanines as ligands of the NMDA receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 4399-4403.	2.2	7
103	Stereoselective Conjugate Addition of Benzyl Phenylsulfonyl Carbanions to Enoates Derived from Mannitol. <i>Journal of Organic Chemistry</i> , 2004, 69, 4013-4018.	3.2	7
104	In vitro and in vivo antineoplastic and immunological effects of pterocarpanquinone LQB-118. <i>Investigational New Drugs</i> , 2016, 34, 541-551.	2.6	7
105	Anti-inflammatory properties of pterocarpanquinone LQB-118 in mice. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4415-4423.	3.0	7
106	NF $\kappa$ B Pathway and microRNA-9 and -21 are Involved in Sensitivity to the Pterocarpanquinone LQB-118 in Different CML Cell Lines. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015, 15, 345-352.	1.7	7
107	Regioselective lithiations of a pterocarpan skeleton: the first synthesis of ( $\hat{1}$ )-4-dehydrocabenegrin A-I. <i>Tetrahedron Letters</i> , 2001, 42, 4111-4113.	1.4	6
108	Stereoselective Mannich reaction of camphor titanium enolate. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1157-1159.	1.8	6



#	ARTICLE	IF	CITATIONS
109	Reactive Oxygen Species Release, Alkylating Ability, and DNA Interactions of a Pterocarpanquinone: A Test Case for Electrochemistry. <i>ChemElectroChem</i> , 2016, 3, 2252-2263.	3.4	6
110	Second-generation pterocarpanquinones: synthesis and antileishmanial activity. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2018, 24, 35.	1.4	6
111	Synthesis of new 1-aryl-1-tetralones and 1-fluoro-1-aryl-1-tetralones, preliminary antiproliferative evaluation on drug resistant cell lines and in silico prediction of ADMETox properties. <i>Bioorganic Chemistry</i> , 2021, 110, 104790.	4.1	6
112	Synthesis of new chiral auxiliaries from carbohydrates for Et <sub>2</sub> AlCl-promoted Diels-Alder reactions. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 266-273.	0.6	5
113	Synthesis of Coumarins and Neoflavones through Zinc Chloride Catalyzed Hydroarylation of Acetylenic Esters with Phenols. <i>Synthesis</i> , 2011, 2011, 3692-3696.	2.3	5
114	Copper- versus palladium-catalyzed aromatization of 2-(methoxycarbonyl) tetralones: synthesis of methyl 1-hydroxy-2-naphthoates. <i>Tetrahedron</i> , 2016, 72, 1897-1902.	1.9	5
115	Theoretical studies and NMR assay of coumarins and neoflavanones derivatives as potential inhibitors of acetylcholinesterase. <i>Computational Biology and Chemistry</i> , 2020, 87, 107293.	2.3	5
116	Solvent effects in the reaction of safrole with bromine.. <i>Tetrahedron Letters</i> , 1975, 16, 4535-4538.	1.4	4
117	A Convenient Method for the Preparation of 6,7-Methyl-Enedioxy-3-Alkyl-2-Hydroxy-1,4-Naphthoquinones from Natural Safrole and Carboxylic Acids. <i>Synthetic Communications</i> , 1983, 13, 691-699.	2.1	4
118	Piperonal as Starting Material for the Regiospecific and Stereoselective Synthesis of E and Z Isomers of 3-Methyl-2-hexenedioic acid-1-methyl ester. <i>Synthetic Communications</i> , 1991, 21, 703-712.	2.1	4
119	The aldol addition reaction between 3-oxygenated carboxylic esters derived from 2,6-dimethylphenol and piperonal. <i>Tetrahedron Letters</i> , 1994, 35, 1325-1328.	1.4	4
120	First stereoselective synthesis and assignment of the absolute configuration of the nebracetam eutomer and derivatives. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1161-1165.	1.8	4
121	Synthesis of 11a-N-Arylsulfonyl-5-carbapterocarpanes (Tetrahydro-5H-benzo[a]carbazoles) by Azaarylation of Dihydronaphthalenes with o-Iodo-N-(Arylsulfonyl)anilines in Poly(ethylene glycol). <i>Synthesis</i> , 2015, 47, 3013-3019.	2.3	4
122	11a-N-Tosyl-5-deoxy-pterocarpan, LQB-223, a novel compound with potent antineoplastic activity toward breast cancer cells with different phenotypes. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016, 142, 2119-2130.	2.5	4
123	The syn-selective conjugate addition of amines to enoates derived from d-mannitol. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 773-776.	1.8	4
124	Preparative chiral separation and absolute configuration of the synthetic pterocarpanquinone LQB-118. <i>Chirality</i> , 2017, 29, 167-171.	2.6	4
125	The pterocarpanquinone LQB-118 compound induces apoptosis of cytarabine-resistant acute myeloid leukemia cells. <i>International Journal of Oncology</i> , 2021, 58, .	3.3	4
126	Enantioselective Synthesis of Isoflavanones and Pterocarpanes through a Ru <sup>II</sup> -Catalyzed ATH-DKR of Isoflavones. <i>ChemCatChem</i> , 2021, 13, 5097-5108.	3.7	4



#	ARTICLE	IF	CITATIONS
127	On the asymmetric induction involving lithium enolates of 1-menthylpropionate. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 1873-1874.	1.8	3
128	The reaction of safrole derivatives with aluminum chloride: improved procedures for the preparation of catechols or their mono-O-Methylated Derivatives and a mechanistic interpretation. <i>Journal of the Brazilian Chemical Society</i> , 2001, 12, 346-353.	0.6	3
129	Inhibition of the $\beta_1$ Isoform of the Na, K-ATPase by 8-methoxycoumestrol Without Positive Inotropic Effect in Human Myocardium-Novel Aspects of Cardiac Glycoside Pharmacology. <i>Journal of Cardiovascular Pharmacology</i> , 2009, 54, 10-15.	1.9	3
130	Solvent-Free Synthesis of Salen Ligands and Pd(II) and Cu(II) Salen Complexes: Their Use in the Oxidation of $\beta$ -Tetralones to $\beta$ -Naphthols. <i>Synthesis</i> , 2017, 49, 3998-4006.	2.3	3
131	Synthesis of pterocarpanes through palladium-catalyzed oxyarylation of alkoxy-2H-chromenes with o-iodophenols. <i>Tetrahedron</i> , 2020, 76, 131638.	1.9	3
132	New 5-carba-pterocarpanes: Synthesis and preliminary antiproliferative activity on a panel of human cancer cells. <i>Bioorganic Chemistry</i> , 2021, 107, 104584.	4.1	3
133	LQB118 compound inhibits migration and induces cell death in glioblastoma cells. <i>Oncology Reports</i> , 2020, 43, 346-357.	2.6	3
134	Synthesis of 6, 7-Methylenedioxyapachol. <i>Synthetic Communications</i> , 1991, 21, 713-719.	2.1	2
135	Variable Chemo-selective Electrophilic Attack on Silylated Aromatic Aldehydes. <i>Synlett</i> , 1996, 1996, 783-784.	1.8	2
136	IMPROVED METHOD FOR THE ESTERIFICATION OF SUGAR ACETALS WITH DICYCLOHEXYLCARBODIIMIDE. <i>Organic Preparations and Procedures International</i> , 1999, 31, 689-692.	1.3	2
137	Purification of a synthetic pterocarpanquinone by countercurrent chromatography. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 1114-1118.	0.6	2
138	Suzuki-Miyaura Coupling between 3-Iodolawsone and Arylboronic Acids. Synthesis of Lapachol Analogues with Antineoplastic and Antileishmanial Activities. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	2
139	The Potent Trypanocidal Effect of LQB303, a Novel Redox-Active Phenyl-Tert-Butyl-Nitrone Derivate That Causes Mitochondrial Collapse in <i>Trypanosoma cruzi</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 617504.	3.5	2
140	Synthesis and Biological Evaluation of Cyclic Analogues from Nitrone LQB-278: A New Potential Antileukemia Compound. <i>Anticancer Research</i> , 2021, 41, 4929-4936.	1.1	2
141	Insights into the Biological Evaluation of Pterocarpanquinones and Carbapterocarpanes with Anti-tumor Activity against MDR Leukemias. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 29-37.	1.7	2
142	Effects of anti-Leishmania compounds in the behavior of the sand fly vector <i>Lutzomyia longipalpis</i> . <i>Pest Management Science</i> , 2022, 78, 2792-2805.	3.4	2
143	One Pot Large Scale Procedure for the Production of 2-Ethyl- and 2-Butyl-2-carboethoxycyclopentanone from Ethyl Adipate.. <i>Synthetic Communications</i> , 1997, 27, 4361-4366.	2.1	1
144	NaBH <sub>4</sub> -MnCl <sub>2</sub> , FOR IMPROVED REDUCTION OF $\beta$ -KETO ESTERS ATTACHED TO A CHIRAL AUXILIARY. COMPARISON WITH Zn(BH <sub>4</sub> ) <sub>2</sub> . <i>Organic Preparations and Procedures International</i> , 2002, 34, 502-507.	1.3	1

#	ARTICLE	IF	CITATIONS
145	Configuration assignment of stereogenic centers in a $\beta$ -pinene derivative by $^1\text{H}$ NMR and molecular modeling. <i>Journal of Molecular Structure</i> , 2006, 783, 157-160.	3.6	1
146	Reação entre fenilnitrometanos e enoato derivado do D-manitol na presença de TBAF ou DBU: adição conjugada sin-seletiva e reação de NEF consecutiva. <i>Química Nova</i> , 2008, 31, 832-836.	0.3	1
147	Mutagenic and Cytotoxicity LQB 123 Profile: Safety and Tripanocidal Effect of a Phenyl-t-Butylnitrone Derivative. <i>BioMed Research International</i> , 2017, 2017, 1-8.	1.9	1
148	The LQB-223 Compound Modulates Antiapoptotic Proteins and Impairs Breast Cancer Cell Growth and Migration. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5063.	4.1	1
149	Medicinal Electrochemistry of Halogenated and Nitrated Pterocarpanquinones. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
150	The pterocarpanquinone LQB 118 inhibits inflammation triggered by zymosan in vivo and in vitro. <i>International Immunopharmacology</i> , 2020, 83, 106399.	3.8	1
151	Abstract A51: Antineoplastic activity of novel synthetic compound pterocarpanquinone LQB-118 in lung cancer cells. <i>Clinical Cancer Research</i> , 2015, 21, A51-A51.	7.0	1
152	Natural products as starting point for the discovery of new bioactive compounds: Drug candidates with antiophidic, anticancer and antiparasitic properties. <i>Revista Virtual De Química</i> , 2009, 1, .	0.4	1
153	Crude D-(+)-Glyceraldehyde Obtained from D-Mannitol-Diacetonide by Oxidative Cleavage with Sodium Periodate: Its Reactions with Nucleophilic Species.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
154	A new and concise strategy to the enantioselective synthesis of (S)-2-amino-4-oxo-4-(pyridine-2-yl)butanoic acid from aspartic acid. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 777-781.	0.6	0
155	Palladium-Catalyzed Arylation of Enoates with Iodobenzene: Stereoselective Synthesis of Trisubstituted Olefins. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	0
156	Palladium-Catalyzed $\alpha$ -Arylation of Dimethyl Malonate and Ethyl Cyanoacetate with o-Alkoxybromobenzenes for the Synthesis of Phenylacetic Acid, Esters and Phenylacetoneitriles. <i>SynOpen</i> , 2017, 01, 0091-0096.	1.7	0
157	New Palladacycle-Derived Acylhydrazones as Pre-catalysts in Mizunuma-Heck Coupling and Oxyarylations. <i>Anais Da Academia Brasileira De Ciências</i> , 2018, 90, 1273-1278.	0.8	0
158	Palladium catalyzed Heck-lactonization from orthiodophenols and enoates: Synthesis of coumarins and the study of the mechanism by electrospray ionization mass spectrometry. , 0, , .		0
159	Coumarins and Neoflavones: Synthesis and HCV NS5B Polymerase Inhibition. , 0, , .		0
160	Synthesis of (-),6,6-(Ethylenedioxy)-1,10-Dimethyl-1(9)-Octal-2-one. <i>Journal of the Brazilian Chemical Society</i> , 1996, 7, 269-271.	0.6	0
161	Abstract A49: Efficiency of 11a-N-tosyl-5-deoxy-pterocarpan (LQB-223) in a panel of myeloid leukemia cell lines with different chemoresistance backgrounds. , 2015, , .		0
162	The Isoflavonoid (+)- $\alpha$ -EPTC Regulates Cell Cycle Progression and Mitotic Spindle Assembly in a Prostate Cancer Cell Line. <i>Chemistry and Biodiversity</i> , 2022, , .	2.1	0