## Ronaldo Aloise Pilli

List of Publications by Year in descending order

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116 papers 3,729 citations

32 h-index 54 g-index

141 all docs

141 docs citations

times ranked

141

3484 citing authors

#	Article	IF	CITATIONS
1	Recent progress in the chemistry of the Stemona alkaloids. Natural Product Reports, 2000, 17, 117-127.	10.3	281
2	The chemistry of Stemona alkaloids: An update. Natural Product Reports, 2010, 27, 1908.	10.3	231
3	Synthesis and differential antiproliferative activity of Biginelli compounds against cancer cell lines: Monastrol, oxo-monastrol and oxygenated analogues. Bioorganic Chemistry, 2006, 34, 173-182.	4.1	169
4	Cytotoxic activity of (S)-goniothalamin and analogues against human cancer cells. Bioorganic and Medicinal Chemistry, 2006, 14, 622-631.	3.0	128
5	The Mechanism of the Stille Reaction Investigated by Electrospray Ionization Mass Spectrometry. Journal of Organic Chemistry, 2007, 72, 5809-5812.	3.2	106
6	(R)-Goniothalamin: total syntheses and cytotoxic activity against cancer cell lines. Bioorganic and Medicinal Chemistry, 2005, 13, 2927-2933.	3.0	100
7	One-Pot Preparation of Quinolizidin-2-one and Indolizidin-7-one Ring Systems. Concise Total Syntheses of (.+)-Myrtine, (.+)-Lasubine II, and (-)-Indolizidine 223AB. Journal of Organic Chemistry, 1995, 60, 717-722.	3.2	86
8	Enantioselective Total Syntheses of (+)-Arborescidine A, (â^3)-Arborescidine B, and (â^3)-Arborescidine C. Journal of Organic Chemistry, 2004, 69, 1283-1289.	3.2	84
9	Fifteen years of biological and synthetic studies of decarestrictine family. Tetrahedron, 2008, 64, 2279-2300.	1.9	83
10	Novel Supramolecular Palladium Catalyst for the Asymmetric Reduction of Imines in Aqueous Media. Organic Letters, 2009, 11, 3238-3241.	4.6	71
11	Fast Screening of Low Molecular Weight Compounds by Thin-Layer Chromatography and "On-Spot― MALDI-TOF Mass Spectrometry. Analytical Chemistry, 2004, 76, 2144-2147.	6.5	69
12	Probing the Mechanism of the Petasis Olefination Reaction by Atmospheric Pressure Chemical Ionization Mass and Tandem Mass Spectrometry. Organic Letters, 2003, 5, 1391-1394.	4.6	64
13	Visible-Light-Activated Catalytic Enantioselective $\hat{l}^2$ -Alkylation of $\hat{l}\pm,\hat{l}^2$ -Unsaturated 2-Acyl Imidazoles Using Hantzsch Esters as Radical Reservoirs. Journal of Organic Chemistry, 2018, 83, 10922-10932.	3.2	60
14	Enhanced trans diastereoselection in the allylation of cyclic chiral N-acyliminium ions. Synthesis of hydroxylated indolizidines. Tetrahedron Letters, 2001, 42, 5605-5608.	1.4	58
15	Effect of goniothalamin on the development of Ehrlich solid tumor in mice. Bioorganic and Medicinal Chemistry, 2010, 18, 6742-6747.	3.0	57
16	Synthesis of 1-ferrocenyl-2-aryl(heteroaryl)acetylenes and 2-ferrocenylindole derivatives via the Sonogashira–Heck–Cassar reaction. Tetrahedron, 2002, 58, 4487-4492.	1.9	53
17	Enantioselective total syntheses of ropivacaine and its analogues. Tetrahedron Letters, 2008, 49, 5098-5100.	1.4	52
18	The Stemona Alkaloids. The Alkaloids Chemistry and Biology, 2005, 62, 77-173.	2.0	51

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19	Total syntheses of (R)-argentilactone and (R)-goniothalamin via catalytic enantioselective allylation of aldehydes. Tetrahedron Letters, 2003, 44, 8721-8724.	1.4	47
20	Total Synthesis of 10-Deoxymethynolide, the Aglycon of the Macrolide Antibiotic 10-Deoxymethymycin. Journal of Organic Chemistry, 1998, 63, 7811-7819.	3.2	46
21	Cytotoxicity of goniothalamin enantiomers in renal cancer cells: Involvement of nitric oxide, apoptosis and autophagy. Chemico-Biological Interactions, 2008, 176, 143-150.	4.0	45
22	Addition of a Chiral Boron Enolate to CyclicN-Acyliminium Ions. Stereocontrolled Synthesis of the Pyrrolizidine Ring System. Journal of Organic Chemistry, 1996, 61, 3187-3190.	3.2	44
23	Total synthesis of (â^')-decarestrictine D through a stereoselective intramolecular Nozaki-Hiyama-Kishi reaction. Tetrahedron Letters, 1998, 39, 4421-4424.	1.4	41
24	The addition of 2-tert-butyldimethylsilyloxyfuran to cyclic N-acyliminium ions containing cyclohexyl-based chiral auxiliaries. Tetrahedron Letters, 2000, 41, 9709-9712.	1.4	41
25	First Total Synthesis of Aspinolide B, a New Pentaketide Produced by Aspergillus ochraceus. Journal of Organic Chemistry, 2000, 65, 5910-5916.	3.2	39
26	Intrinsic Gas-Phase Electrophilic Reactivity of CyclicN-Alkyl- andN-Acyliminium Ions. Journal of Organic Chemistry, 2001, 66, 3854-3864.	3.2	39
27	One-pot synthesis of organophosphate monoesters from alcohols. Tetrahedron Letters, 2013, 54, 1690-1692.	1.4	39
28	Synthesis of methoxylated goniothalamin, aza-goniothalamin and $\hat{l}^3$ -pyrones and their in vitro evaluation against human cancer cells. Bioorganic and Medicinal Chemistry, 2012, 20, 3635-3651.	3.0	38
29	Addition of silylated carbon nucleophiles to iminium and cyclic N-acyliminium ions promoted by InCl3. Tetrahedron Letters, 2000, 41, 9939-9942.	1.4	36
30	Creation of quaternary stereocenters by the addition of allyltributyltin to chiral cyclic N-acyliminium ions. Tetrahedron: Asymmetry, 2000, 11, 753-764.	1.8	36
31	Total synthesis of (±)-homopumiliotoxin 223G. Tetrahedron Letters, 2001, 42, 6999-7001.	1.4	36
32	Antiproliferative activity of arborescidine alkaloids and derivatives. European Journal of Medicinal Chemistry, 2009, 44, 3810-3815.	5.5	35
33	The antinociceptive activity of harmicine on chemical-induced neurogenic and inflammatory pain models in mice. Pharmacology Biochemistry and Behavior, 2012, 102, 133-138.	2.9	34
34	Total Synthesis and Structural Elucidation of $(\hat{a}^{-})$ -Delactonmycin. Angewandte Chemie - International Edition, 2003, 42, 3017-3020.	13.8	33
35	Total synthesis of (+)-herbarumin I via intermolecular Nozaki–Hiyama–Kishi reaction. Tetrahedron Letters, 2002, 43, 2819-2821.	1.4	30
36	Mannich-Type Reactions in the Gas-Phase:Â The Addition of Enol Silanes to CyclicN-Acyliminium Ions. Journal of Organic Chemistry, 2002, 67, 4652-4658.	3.2	29

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37	Design and Synthesis of Nâ€Acylated Azaâ€Goniothalamin Derivatives and Evaluation of Their in vitro and in vivo Antitumor Activity. ChemMedChem, 2014, 9, 2725-2743.	3.2	29
38	Knocking Down Low Molecular Weight Protein Tyrosine Phosphatase (LMW-PTP) Reverts Chemoresistance through Inactivation of Src and Bcr-Abl Proteins. PLoS ONE, 2012, 7, e44312.	2.5	29
39	Stereoselective Synthesis of Functionalized trans-2,5-Disubstituted Tetrahydrofurans. Organic Letters, 2000, 2, 53-56.	4.6	28
40	Enantioselective syntheses of (R)- and (S)-argentilactone and their cytotoxic activities against cancer cell lines. Bioorganic and Medicinal Chemistry, 2004, 12, 5437-5442.	3.0	28
41	Addition of activated olefins to cyclic N-acyliminium ions in ionic liquids. Tetrahedron Letters, 2006, 47, 1669-1672.	1.4	27
42	Total Synthesis and Tentative Structural Elucidation of Cryptomoscatone E3: Interplay of Experimental and Computational Studies. Journal of Organic Chemistry, 2015, 80, 12027-12037.	3.2	27
43	Diastereoselection of the addition of silyloxyfurans to five-, six- and seven-membered N-acyliminium ions. Tetrahedron Letters, 2001, 42, 6995-6997.	1.4	26
44	A novel asymmetric reduction of dihydro- $\hat{l}^2$ -carboline derivatives using calix[6]arene/chiral amine as a host complex. Tetrahedron: Asymmetry, 2003, 14, 2515-2519.	1,8	26
45	Anti-inflammatory therapies in TRAMP mice: delay in PCa progression. Endocrine-Related Cancer, 2016, 23, 235-250.	3.1	26
46	Coibacins A and B: Total Synthesis and Stereochemical Revision. Journal of Organic Chemistry, 2014, 79, 630-642.	3.2	25
47	Addition of carbon nucleophiles to cyclic N-acyliminium and oxocarbenium ions under solvent-free conditions. Tetrahedron Letters, 2006, 47, 7853-7856.	1.4	24
48	Hybrid 3,4-dihydropyrimidin-2-(thi)ones as dual-functional bioactive molecules: fluorescent probes and cytotoxic agents to cancer cells. New Journal of Chemistry, 2020, 44, 12440-12451.	2.8	24
49	Enantioselective approach to the asymmetric synthesis of (6R)-hydroxymethyl-5,6-dihydro-2H-pyran-2-one. A formal synthesis of (R)-argentilactone and total synthesis of (R)-goniothalamin. Arkivoc, 2003, 2003, 118-126.	0.5	24
50	Diastereoselective synthesis of 2,5-disubstituted tetrahydrofuran derivatives. Tetrahedron: Asymmetry, 2000, 11, 3675-3686.	1.8	23
51	Asymmetric reduction of prochiral ketones using in situ generated oxazaborolidine derived from (1S,2S,3R,4R)-3-amino-7,7-dimethoxynorbornan-2-ol. An efficient synthesis of enantiopure (R)-tomoxetine. Tetrahedron Letters, 2005, 46, 495-498.	1.4	23
52	A Concise Route to the Azaspirodecane Moiety of Halichlorine and Structurally Related Alkaloids. Organic Letters, 2005, 7, 1617-1619.	4.6	23
53	Antifungal Activity of Goniothalamin Enantiomers. Letters in Drug Design and Discovery, 2008, 5, 74-78.	0.7	23
54	Anti-inflammatory and antinociceptive effects of racemic goniothalamin, a styryl lactone. Life Sciences, 2015, 139, 83-90.	4.3	23

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55	The stereochemistry of the addition of titanium enolates of N-propionyl-oxazolidin-2-ones to 5- and 6-membered N-acyliminium ions. Tetrahedron Letters, 1999, 40, 2891-2894.	1.4	22
56	Stereoselective alkylation of N-Boc-2-pyrrolidinones and N-Boc-2-piperidinones. Synthesis and characterization of disubstituted lactams. Tetrahedron, 1999, 55, 13321-13332.	1.9	22
57	The stereoselective addition of titanium(IV) enolates of 1,3-oxazolidin-2-one and 1,3-thiazolidine-2-thione to cyclic N-acyliminium ion. The total synthesis of (+)-isoretronecanol. Tetrahedron Letters, 2005, 46, 2691-2693.	1.4	22
58	Trypanocidal activity ofÂ5,6-dihydropyran-2-ones againstÂfree trypomastigotes forms ofÂTrypanosomaÂcruzi. European Journal of Medicinal Chemistry, 2006, 41, 1210-1213.	5.5	22
59	Anti-inflammatory natural product goniothalamin reduces colitis-associated and sporadic colorectal tumorigenesis. Carcinogenesis, 2017, 38, 51-63.	2.8	22
60	Stereoselective total synthesis of (.+)-invictolide. An efficient preparation of a trisubstituted .deltalactone from aldol precursors. Journal of Organic Chemistry, 1993, 58, 338-342.	3.2	21
61	Catalytic Asymmetric Synthesis and Stereochemical Revision of (+)-Cryptoconcatone H. Journal of Organic Chemistry, 2017, 82, 9191-9197.	3.2	21
62	Design, synthesis and in vitro evaluation against human cancer cells of 5-methyl-5-styryl-2,5-dihydrofuran-2-ones, a new series of goniothalamin analogues. Bioorganic and Medicinal Chemistry, 2013, 21, 5107-5117.	3.0	20
63	Gastroprotective effects of goniothalamin against ethanol and indomethacin-induced gastric lesions in rats: Role of prostaglandins, nitric oxide and sulfhydryl compounds. Chemico-Biological Interactions, 2014, 224, 206-212.	4.0	20
64	Total synthesis of cryptomoscatones D1 and D2: stereochemical assignment of cryptomoscatone D1. Tetrahedron, 2014, 70, 6467-6473.	1.9	20
65	Goniothalamin prevents the development of chemically induced and spontaneous colitis in rodents and induces apoptosis in the HT-29 human colon tumor cell line. Toxicology and Applied Pharmacology, 2016, 300, 1-12.	2.8	20
66	A new goniothalamin N-acylated aza-derivative strongly downregulates mediators of signaling transduction associated with pancreatic cancer aggressiveness. European Journal of Medicinal Chemistry, 2014, 87, 745-758.	5.5	19
67	Addition of carbon nucleophiles to cyclic N-acyliminium ions in SDS/water. Tetrahedron Letters, 2004, 45, 2821-2823.	1.4	18
68	Diastereoselective addition of nitro compounds to $\hat{l}_{\pm},\hat{l}^2$ -unsaturated $\hat{l}^3$ -butyrolactones. Tetrahedron Letters, 2006, 47, 185-188.	1.4	18
69	Adsorption kinetic and properties of self-assembled monolayer based on mono(6-deoxy-6-mercapto)- $\hat{l}^2$ -cyclodextrin molecules. Journal of Electroanalytical Chemistry, 2007, 601, 181-193.	3.8	18
70	NMR studies of inclusion complexation of the pyrrolizidine alkaloid retronecine and p-sulfonic acid calix[6] arene. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 149-155.	1.6	18
71	Synthesis of novel perillyl–dihydropyrimidinone hybrids designed for antiproliferative activity. MedChemComm, 2018, 9, 1553-1564.	3.4	18
72	Modular Synthesis of Di- and Trisubstituted Imidazoles from Ketones and Aldehydes: A Route to Kinase Inhibitors. Journal of Organic Chemistry, 2019, 84, 14187-14201.	3.2	18

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73	Integrated Batch and Continuous Flow Process for the Synthesis of Goniothalamin. ACS Omega, 2020, 5, 18472-18483.	3.5	18
74	Antiproliferative Flavanoid Dimers Isolated from Brazilian Red Propolis. Journal of Natural Products, 2020, 83, 1784-1793.	3.0	18
75	Regio- and diastereoselective synthesis of 5-trans-substituted and 5,5-disubstituted 2-pyrrolidinones derived from (S)-malic acid. Tetrahedron: Asymmetry, 2002, 13, 1973-1980.	1.8	17
76	Zinc Triflate as Lewis Acid in Nucleophilic Addition to CyclicN-Acyliminium Ions. Synlett, 2005, 2005, 2297-2300.	1.8	17
77	Enhancing the Anticancer Activity and Selectivity of Goniothalamin Using pH-Sensitive Acetalated Dextran (Ac-Dex) Nanoparticles: A Promising Platform for Delivery of Natural Compounds. ACS Biomaterials Science and Engineering, 2020, 6, 2929-2942.	5.2	17
78	Asymmetric total synthesis and antiproliferative activity of goniothalamin oxide isomers. Bioorganic Chemistry, 2009, 37, 52-56.	4.1	16
79	Cascade cyclization triggered by imine formation. Formal synthesis of the alkaloid $(\hat{A}\pm)$ -stemoamide and its 9a-epimer. Tetrahedron Letters, 2015, 56, 6664-6668.	1.4	16
80	(+)-Altholactone exhibits broad spectrum immune modulating activity by inhibiting the activation of pro-inflammatory cytokines in RAW 264.7 cell lines. Bioorganic and Medicinal Chemistry, 2013, 21, 4358-4364.	3.0	15
81	Enantioselective Total Synthesis of (+)-Lyngbyabellin M. Marine Drugs, 2015, 13, 3309-3324.	4.6	15
82	Catalytic Enantioselective Allylations of Acetylenic Aldehydes via 2-Propanol-Mediated Reductive Coupling. Organic Letters, 2018, 20, 4144-4147.	4.6	15
83	Crystal structures of the apo form and a complex of human LMW-PTP with a phosphonic acid provide new evidence of a secondary site potentially related to the anchorage of natural substrates.  Bioorganic and Medicinal Chemistry, 2015, 23, 4462-4471.	3.0	14
84	Near-Infrared Fluorescent Micelles from Poly(norbornene) Brush Triblock Copolymers for Nanotheranostics. Biomacromolecules, 2021, 22, 5290-5306.	5.4	14
85	The stereochemistry of the Nozaki-Hiyama-Kishi reaction and the construction of 10-membered lactones. The enantioselective total synthesis of (-)-decarestrictine D. Journal of the Brazilian Chemical Society, 2001, 12, 373-385.	0.6	13
86	A short synthesis of (1S,8aR)-1-aminomethyl indolizidine. The heterocyclic core of stelletamides. Tetrahedron Letters, 2001, 42, 7003-7005.	1.4	13
87	Stereoselectivity in the intramolecular Nozakiâ€"Hiyamaâ€"Kishi reaction: influence of the substitution pattern and protecting groups in the construction of 10-membered lactones. Tetrahedron Letters, 2002, 43, 2815-2818.	1.4	13
88	Transient intermediates of the Tebbe reagent intercepted and characterized by atmospheric pressure chemical ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 2626-2629.	1.5	13
89	The stereochemistry of the addition of chlorotitanium enolates of N-acyl oxazolidin-2-ones to 5- and 6- membered N-acyliminium ions. Journal of the Brazilian Chemical Society, 2001, 12, 634-651.	0.6	12
90	Addition of carbon nucleophiles to substituted N-acyliminium ions. A stereoselective route to trans-fused decahydroquinoline systems. Tetrahedron Letters, 2000, 41, 7843-7846.	1.4	11

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91	Total synthesis and structural elucidation of natural products: (–)-Delactonmycin, (+)-plumerinine, and (–)-parvistemoamide. Pure and Applied Chemistry, 2005, 77, 1153-1160.	1.9	11
92	Preferential Mitochondrial Localization of a Goniothalamin Fluorescent Derivative. ACS Omega, 2017, 2, 3774-3784.	3.5	11
93	Steroidal hormone and morphological responses in the prostate anterior lobe in different cancer grades after Celecoxib and Goniothalamin treatments in TRAMP mice. Cell Biology International, 2018, 42, 1006-1020.	3.0	11
94	Total Synthesis and Structural Validation of Phosdiecin A via Asymmetric Alcohol-Mediated Carbonyl Reductive Coupling. Journal of the American Chemical Society, 2019, 141, 13778-13782.	13.7	11
95	Studies towards the construction of alkylidene quinolizidines: the total synthesis of homopumiliotoxin 223G. Journal of the Brazilian Chemical Society, 2003, 14, 982-993.	0.6	10
96	(â^')â€Tarchonanthuslactone: Design of New Analogues, Evaluation of their Antiproliferative Activity on Cancer Cell Lines, and Preliminary Mechanistic Studies. ChemMedChem, 2015, 10, 1687-1699.	3.2	10
97	Is RK-682 a promiscuous enzyme inhibitor? Synthesis and inÂvitro evaluation of protein tyrosine phosphatase inhibition of racemic RK-682 and analogues. European Journal of Medicinal Chemistry, 2015, 97, 42-54.	5.5	10
98	Goniothalamin and Celecoxib Effects During Aging: Targeting Proâ€Inflammatory Mediators in Chemoprevention of Prostatic Disorders. Prostate, 2017, 77, 838-848.	2.3	10
99	Goniothalamin-Related Styryl Lactones: Isolation, Synthesis, Biological Activity and Mode of Action. Current Medicinal Chemistry, 2020, 26, 7372-7451.	2.4	10
100	The phosphate ester group in secondary metabolites. Natural Product Reports, 2022, 39, 1066-1107.	10.3	9
101	Degradation of $\hat{A}^2$ -O-4 lignin model and related compounds by the ascomyceteChrysonilia sitophila (TFB) Tj ETQq1	1 <u>1 0</u> .7843	3
102	Total synthesis and stereochemical assignment of cryptolatifolione. RSC Advances, 2015, 5, 53471-53476.	3.6	8
103	Palladium-Catalyzed Formation of Substituted Tetrahydropyrans: Mechanistic Insights and Structural Revision of Natural Products. Synthesis, 2019, 51, 1545-1560.	2.3	8
104	Total Synthesis and Structural Elucidation of (â^')-Delactonmycin. Angewandte Chemie, 2003, 115, 3125-3128.	2.0	7
105	Formal Syntheses of (±)â€Tuberostemospiroline and (±)â€Stemonaâ€lactam R and Total Synthesis of (±)â€Stemoamide. European Journal of Organic Chemistry, 2022, 2022, .	2.4	5
106	Organic Synthesis: New Vistas in the Brazilian Landscape. Anais Da Academia Brasileira De Ciencias, 2018, 90, 895-941.	0.8	4
107	Synthesis of Nitrogenâ€Containing Goniothalamin Analogues with Higher Cytotoxic Activity and Selectivity against Cancer Cells. ChemMedChem, 2019, 14, 1403-1417.	3.2	3
108	Total Synthesis of (+)-Raputindole A: An Iridium-Catalyzed Cyclization Approach. Organic Letters, 2020, 22, 6262-6266.	4.6	3

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109	(â^')-Tarchonanthuslactone Exerts a Blood Glucose-Increasing Effect in Experimental Type 2 Diabetes Mellitus. Molecules, 2015, 20, 5038-5049.	3.8	2
110	Hybrids of 4-hydroxy derivatives of goniothalamin and piplartine bearing a diester or a 1,2,3-triazole linker as antiproliferative agents. Bioorganic Chemistry, 2021, 116, 105292.	4.1	2
111	Regio- and Diastereoselective Synthesis of 5-trans-Substituted and 5,5-Disubstituted 2-Pyrrolidinones Derived from (S)-Malic Acid ChemInform, 2003, 34, no.	0.0	O
112	A Novel Asymmetric Reduction of Dihydro-β-carboline Derivatives Using Calix[6]arene/Chiral Amine as a Host Complex ChemInform, 2003, 34, no.	0.0	0
113	Addition of Carbon Nucleophiles to Cyclic N-Acyliminium Ions in SDS/Water ChemInform, 2004, 35, no.	0.0	0
114	Asymmetric Reduction of Prochiral Ketones Using in situ Generated Oxazaborolidine Derived from (1S,2S,3R,4R)-3-Amino-7,7-dimethoxynorbornan-2-ol. An Efficient Synthesis of Enantiopure (R)-Tomoxetine ChemInform, 2005, 36, no.	0.0	0
115	Total Synthesis and Structural Elucidation of Natural Products: (-)-Delactonmycin, (+)-Plumerinine, and (-)-Parvistemoamide. ChemInform, 2005, 36, no.	0.0	O
116	Zinc Triflate as Lewis Acid in Nucleophilic Addition to Cyclic N-Acyliminium Ions ChemInform, 2006, 37, no.	0.0	0