

Fernando B Da Costa

List of Publications by Year in descending order

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114
papers

3,383
citations

136740

32
h-index

182168

51
g-index

119
all docs

119
docs citations

119
times ranked

3935
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolomics as a tool to discriminate species of the Ananas genus and assist in taxonomic identification. <i>Biochemical Systematics and Ecology</i> , 2022, 100, 104380.	0.6	3
2	LC-MS metabolic profiling comparison of domesticated crops and wild edible species from the family Asteraceae growing in a region of São Paulo state, Brazil. <i>Phytochemistry Letters</i> , 2021, 42, 45-51.	0.6	4
3	Effect of the Andean Geography and Climate on the Specialized Metabolism of Its Vegetation: The Subtribe Espeletiinae (Asteraceae) as a Case Example. <i>Metabolites</i> , 2021, 11, 220.	1.3	4
4	The Sistemax Web Portal of Natural Products: An Update. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 2516-2522.	2.5	17
5	Metabolomics as a marketing tool for geographical indication products: a literature review. <i>European Food Research and Technology</i> , 2021, 247, 2143-2159.	1.6	22
6	Metabolomic studies of <i>Aldama</i> spp and other Asteraceae species to identify dual inhibitors of cyclooxygenase-1 and 5-lipoxygenase. <i>Phytochemistry Letters</i> , 2021, 44, 210-215.	0.6	2
7	Phenolic Profiling of Medicinal Species of <i>Chuquiraga</i> , Asteraceae, by HPLC Fingerprinting. <i>Revista Brasileira De Farmacognosia</i> , 2021, 31, 689-697.	0.6	1
8	Metabolomics and chemophenetics support the new taxonomy circumscription of two South America genera (Barnadesioideae, Asteraceae). <i>Phytochemistry Letters</i> , 2020, 40, 89-95.	0.6	6
9	Pyrrrolizidine alkaloids and other constituents from <i>Emilia fosbergii</i> Nicolson. <i>Biochemical Systematics and Ecology</i> , 2020, 92, 104110.	0.6	1
10	Metabolomic and Gene Expression Studies Reveal the Diversity, Distribution and Spatial Regulation of the Specialized Metabolism of <i>Yacón</i> (<i>Smallanthus sonchifolius</i> , Asteraceae). <i>International Journal of Molecular Sciences</i> , 2020, 21, 4555.	1.8	13
11	Essential oils from <i>Tithonia diversifolia</i> display potent anti-oedematogenic effects and inhibit acid production by cariogenic bacteria. <i>Journal of Essential Oil Research</i> , 2019, 31, 43-52.	1.3	7
12	Metabolomic and gene expression approaches reveal the developmental and environmental regulation of the secondary metabolism of <i>yacón</i> (<i>Smallanthus sonchifolius</i> , Asteraceae). <i>Scientific Reports</i> , 2019, 9, 13178.	1.6	38
13	Metabolomic profiling of <i>Zanthoxylum</i> species: Identification of anti-cholinesterase alkaloids candidates. <i>Phytochemistry</i> , 2019, 168, 112128.	1.4	24
14	Caffeic acid ester derivatives and flavonoids of genus <i>Arnaldoa</i> (Asteraceae, Barnadesioideae). <i>Biochemical Systematics and Ecology</i> , 2019, 86, 103911.	0.6	9
15	Untargeted LC-MS metabolomic studies of Asteraceae species to discover inhibitors of <i>Leishmania</i> major dihydroorotate dehydrogenase. <i>Metabolomics</i> , 2019, 15, 59.	1.4	11
16	Mechanisms of storage and detoxification of Al in two tropical mistletoes. <i>Environmental and Experimental Botany</i> , 2018, 150, 37-45.	2.0	8
17	Influence of abiotic environmental factors on the main constituents of the volatile oils of <i>Tithonia diversifolia</i> . <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 135-144.	0.6	18
18	Fingerprinting metabolomics in tropical mistletoes: A case study with facultative aluminum-accumulating species. <i>Phytochemistry Letters</i> , 2018, 25, 90-94.	0.6	10

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19	Chemistry of the subtribe Espeletiinae (Asteraceae) and its correlation with phylogenetic data: an in silico chemosystematic approach. <i>Botanical Journal of the Linnean Society</i> , 2018, 186, 18-46.	0.8	19
20	Metabolomic analysis applied to chemosystematics and evolution of megadiverse Brazilian Vernoniaeae (Asteraceae). <i>Phytochemistry</i> , 2018, 150, 93-105.	1.4	16
21	Chemistry and medicinal uses of the subfamily Barnadesioideae (Asteraceae). <i>Phytochemistry Reviews</i> , 2018, 17, 471-489.	3.1	10
22	Budlein A, a Sesquiterpene Lactone From <i>Viguiera robusta</i> , Alleviates Pain and Inflammation in a Model of Acute Gout Arthritis in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 1076.	1.6	24
23	Combined OPLS-DA and decision tree as a strategy to identify antimicrobial biomarkers of volatile oils analyzed by gas chromatography-mass spectrometry. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 647-653.	0.6	24
24	SistemX, an Online Web-Based Cheminformatics Tool for Data Management of Secondary Metabolites. <i>Molecules</i> , 2018, 23, 103.	1.7	41
25	Natural products as inhibitors of <i>Leishmania major</i> dihydroorotate dehydrogenase. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 852-866.	2.6	20
26	Aluminium detoxification in facultative (<i>Passovia ovata</i> (Pohl ex DC.) Kujit and Struthanthus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 472 58-63.	1.4	6
27	Caffeic acid derivatives and further compounds from <i>Espeletia barclayana</i> Cuatrec. (Asteraceae,) Tj ETQq1 1 0.784314 rgBT /Overlock 0.6	0.6	8
28	Biogeography shaped the metabolome of the genus <i>Espeletia</i> : a phytochemical perspective on an Andean adaptive radiation. <i>Scientific Reports</i> , 2017, 7, 8835.	1.6	44
29	<i>Vochysia tucanorum</i> Mart.: an aluminum-accumulating species evidencing calcifuge behavior. <i>Plant and Soil</i> , 2017, 419, 377-389.	1.8	20
30	The Sesquiterpene Lactone, Budlein A, Inhibits Antigen-Induced Arthritis in Mice: Role of NF- κ B and Cytokines. <i>Inflammation</i> , 2017, 40, 2020-2032.	1.7	13
31	Absolute configuration assignment of caffeic acid ester derivatives from <i>Tithonia diversifolia</i> by vibrational circular dichroism: the pitfalls of deuteration. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 1823-1828.	1.8	11
32	Investigation of the Anti- <i>Leishmania (Leishmania) infantum</i> Activity of Some Natural Sesquiterpene Lactones. <i>Molecules</i> , 2017, 22, 685.	1.7	22
33	Effects of budlein A on human neutrophils and lymphocytes. <i>Journal of Applied Oral Science</i> , 2016, 24, 271-277.	0.7	3
34	ent-Pimarane and ent-Kaurane Diterpenes from <i>Aldama discolor</i> (Asteraceae) and Their Antiprotozoal Activity. <i>Molecules</i> , 2016, 21, 1237.	1.7	20
35	Chemical characterization of two morphologically related <i>Espeletia</i> (Asteraceae) species and chemometric analysis based on essential oil components. <i>Revista Brasileira De Farmacognosia</i> , 2016, 26, 694-700.	0.6	12
36	Characterization and evolution of secondary metabolites in Brazilian Vernoniaeae (Asteraceae) assessed by LC-MS fingerprinting. <i>Botanical Journal of the Linnean Society</i> , 2016, 182, 594-611.	0.8	17

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37	Histolocalization of chemotaxonomic markers in Brazilian Vernoniae (Asteraceae). Botanical Journal of the Linnean Society, 2016, 182, 581-593.	0.8	9
38	Biosynthesis of (â~)- ent -kaurenoic acid in Smallanthus sonchifolius and its effect against microbial biofilms. Phytochemistry Letters, 2016, 18, 162-167.	0.6	4
39	Effect of the environment on the secondary metabolic profile of Tithonia diversifolia: a model for environmental metabolomics of plants. Scientific Reports, 2016, 6, 29265.	1.6	286
40	Brasiliensic and isobrasiliensic acids: isolation from Calophyllum brasiliense Cambess. and anti-Helicobacter pylori activity. Natural Product Research, 2016, 30, 2720-2725.	1.0	12
41	Sesquiterpene Lactones: More Than Protective Plant Compounds With High Toxicity. Critical Reviews in Plant Sciences, 2016, 35, 18-37.	2.7	84
42	A Metabolomic Approach to Target Compounds from the Asteraceae Family for Dual COX and LOX Inhibition. Metabolites, 2015, 5, 404-430.	1.3	54
43	Non-destructive model to estimate the leaf area of multiple Vochysiaceae species. Revista Brasileira De Botanica, 2015, 38, 903-909.	0.5	2
44	Anti-inflammatory sesquiterpene lactones from Tithonia diversifolia trigger different effects on human neutrophils. Revista Brasileira De Farmacognosia, 2015, 25, 111-116.	0.6	23
45	Prediction of Anti-inflammatory Plants and Discovery of Their Biomarkers by Machine Learning Algorithms and Metabolomic Studies. Planta Medica, 2015, 81, 450-458.	0.7	43
46	Outstanding Anti-inflammatory Potential of Selected Asteraceae Species through the Potent Dual Inhibition of Cyclooxygenase-1 and 5-Lipoxygenase. Planta Medica, 2015, 81, 1296-1307.	0.7	30
47	Study of Chromatographic Retention of Natural Terpenoids by Chemoinformatic Tools. Journal of Chemical Information and Modeling, 2015, 55, 26-38.	2.5	17
48	A systematic investigation of the fragmentation pattern of two furanoheliangolide C stereoisomers using electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 723-730.	0.7	13
49	In Silico Prediction and Experimental Evaluation of Furanoheliangolide Sesquiterpene Lactones as Potent Agents against Trypanosoma brucei rhodesiense. Antimicrobial Agents and Chemotherapy, 2014, 58, 325-332.	1.4	45
50	Structurally modified natural sesquiterpene lactones constitute effective and less toxic schistosomicidal compounds. Organic and Biomolecular Chemistry, 2014, 12, 7957-7964.	1.5	11
51	In Vitro Leishmanicidal Activities of Sesquiterpene Lactones from Tithonia diversifolia against Leishmania braziliensis Promastigotes and Amastigotes. Molecules, 2014, 19, 6070-6079.	1.7	32
52	A biosynthetic pathway of sesquiterpene lactones in Smallanthus sonchifolius and their localization in leaf tissues by MALDI imaging. Chemical Communications, 2013, 49, 9989.	2.2	19
53	Repeated-dose toxicological studies of Tithonia diversifolia (Hemsl.) A. gray and identification of the toxic compounds. Journal of Ethnopharmacology, 2013, 147, 389-394.	2.0	33
54	Therapeutic potential of biodegradable microparticles containing Punica granatum L. (pomegranate) in murine model of asthma. Inflammation Research, 2013, 62, 971-980.	1.6	31

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55	Sesquiterpene lactones, chlorogenic acids and flavonoids from leaves of <i>Vernonia polyanthes</i> Less (Asteraceae). <i>Biochemical Systematics and Ecology</i> , 2013, 51, 94-97.	0.6	24
56	Biomimetic synthesis of diversifolin. <i>Tetrahedron Letters</i> , 2013, 54, 625-627.	0.7	3
57	Bioactive compounds in <i>Bidens pilosa</i> L. populations: a key step in the standardization of phytopharmaceutical preparations. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 28-35.	0.6	38
58	Topical anti-inflammatory activity of yacon leaf extracts. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 497-505.	0.6	34
59	Unusual biotransformation products of the sesquiterpene lactone budlein A by <i>Aspergillus</i> species. <i>Phytochemistry</i> , 2013, 96, 92-100.	1.4	12
60	Natural sesquiterpene lactones as inhibitors of Myb-dependent gene expression: Structure-activity relationships. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 313-320.	2.6	51
61	Glandular trichomes on aerial and underground organs in <i>Chrysolaena</i> species (Vernonieae) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Functional Ecology of Plants, 2012, 207, 878-887.	0.6	45
62	Microbial transformation of the sesquiterpene lactone tagitinin C by the fungus <i>Aspergillus terreus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 1719-1724.	1.4	14
63	Ethnobotany, Chemistry, and Biological Activities of the Genus <i>Tithonia</i> (Asteraceae). <i>Chemistry and Biodiversity</i> , 2012, 9, 210-235.	1.0	77
64	Renal toxicity caused by oral use of medicinal plants: The yacon example. <i>Journal of Ethnopharmacology</i> , 2011, 133, 434-441.	2.0	42
65	Chlorogenic acids from <i>Tithonia diversifolia</i> demonstrate better anti-inflammatory effect than indomethacin and its sesquiterpene lactones. <i>Journal of Ethnopharmacology</i> , 2011, 136, 355-362.	2.0	73
66	An unusual dimeric guaianolide with antiprotozoal activity and further sesquiterpene lactones from <i>Eupatorium perfoliatum</i> . <i>Phytochemistry</i> , 2011, 72, 635-644.	1.4	54
67	Antimicrobial Activity of Diterpenes from <i>Viguiera arenaria</i> against Endodontic Bacteria. <i>Molecules</i> , 2011, 16, 543-551.	1.7	46
68	Role of the carboxylic group in the antispasmodic and vasorelaxant action displayed by kaurenoic acid. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 56, 1407-1413.	1.2	20
69	Pharmacological comparison of the vasorelaxant action displayed by kaurenoic acid and pimaradienoic acid. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 997-1004.	1.2	26
70	Anti-inflammatory, analgesic and anti-oedematous effects of <i>Lafoensia pacari</i> extract and ellagic acid. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1265-1273.	1.2	69
71	Pimaradienoic acid inhibits vascular contraction and induces hypotension in normotensive rats. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 60, 453-459.	1.2	17
72	Eudesmanolides and Methyl Ester Derivatives from <i>Dimerostemma arnottii</i> . <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.2	0

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73	Comparative effects of lantadene A and its reduced metabolite on mitochondrial bioenergetics. <i>Toxicol</i> , 2010, 55, 1331-1337.	0.8	9
74	Development of enteric coated tablets from spray dried extract of feverfew (<i>Tanacetum parthenium</i> L.) <i>J Pharm Biopharm</i> , 2007, 10, 125-133.	1.25	13
75	Budlein A from <i>Viguiera robusta</i> inhibits leukocyte-endothelial cell interactions, adhesion molecule expression and inflammatory mediators release. <i>Phytomedicine</i> , 2009, 16, 904-915.	2.3	22
76	Antimicrobial ent-pimarane diterpenes from <i>Viguiera arenaria</i> against Gram-positive bacteria. <i>FÄ-toterapÄ-Äç</i> , 2009, 80, 432-436.	1.1	46
77	Mechanisms underlying the vasorelaxant action of the pimarane ent-8(14),15-pimaradien-3 ² -ol in the isolated rat aorta. <i>European Journal of Pharmacology</i> , 2009, 616, 183-191.	1.7	16
78	Pimarane-type Diterpenes: Antimicrobial Activity against Oral Pathogens. <i>Molecules</i> , 2009, 14, 191-199.	1.7	82
79	Trypanocidal activity of pimarane diterpenes from <i>Viguiera arenaria</i> (Asteraceae). <i>Phytotherapy Research</i> , 2008, 22, 1413-1415.	2.8	32
80	Constituents of glandular trichomes of <i>Tithonia diversifolia</i> : Relationships to herbivory and antifeedant activity. <i>Phytochemistry</i> , 2008, 69, 2052-2060.	1.4	88
81	Multilabeled Classification Approach To Find a Plant Source for Terpenoids. <i>Journal of Chemical Information and Modeling</i> , 2008, 48, 56-67.	2.5	12
82	Antimicrobial Activity of Kaurane Diterpenes against Oral Pathogens. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2008, 63, 326-330.	0.6	50
83	Further Sesquiterpene Lactones from <i>Viguiera robusta</i> and the Potential Anti-Inflammatory Activity of a Heliangolide: Inhibition of Human Neutrophil Elastase Release. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2008, 63, 533-538.	0.6	19
84	A proposal for the quality control of <i>Tanacetum parthenium</i> (feverfew) and its hydroalcoholic extract. <i>Revista Brasileira De Farmacognosia</i> , 2008, 18, .	0.6	13
85	Diterpenes: A Therapeutic Promise for Cardiovascular Diseases. <i>Recent Patents on Cardiovascular Drug Discovery</i> , 2008, 3, 1-8.	1.5	36
86	Antispasmodic and relaxant effects of the hidroalcoholic extract of <i>Pimpinella anisum</i> (Apiaceae) on rat anococcygeus smooth muscle. <i>Journal of Ethnopharmacology</i> , 2007, 110, 23-29.	2.0	58
87	Anti-inflammatory activity of <i>Dasyphyllum brasiliensis</i> (Asteraceae) on acute peritonitis induced by β -glucan from <i>Histoplasma capsulatum</i> . <i>Journal of Ethnopharmacology</i> , 2007, 112, 192-198.	2.0	5
88	Sesquiterpene Lactones-Based Classification of the Family Asteraceae Using Neural Networks and k-Nearest Neighbors. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 9-19.	2.5	30
89	Detection of flavonoids in glandular trichomes of <i>Chromolaena</i> species (Eupatorieae, Asteraceae) by reversed-phase high-performance liquid chromatography. <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , 2007, 43, 315-321.	0.5	7
90	ElucidatÄo estrutural de substÄncias orgÄnicas com auxÄlio de computador: evoluÄÄes recentes. <i>Quimica Nova</i> , 2007, 30, 1347-1356.	0.3	4

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91	A Novel Dimeric Melampolide and Further Terpenoids from <i>Smallanthus sonchifolius</i> (Asteraceae) and the Inhibition of the Transcription Factor NF- κ B. <i>Natural Product Communications</i> , 2007, 2, 1934578X0700200.	0.2	10
92	Anti-inflammatory and analgesic effects of the sesquiterpene lactone budlein A in mice: Inhibition of cytokine production-dependent mechanism. <i>European Journal of Pharmacology</i> , 2007, 562, 155-163.	1.7	103
93	Kaurane and pimarane-type diterpenes from the <i>Viguiera</i> species inhibit vascular smooth muscle contractility. <i>Life Sciences</i> , 2006, 79, 925-933.	2.0	47
94	Melampolides from <i>Ichthyothere terminalis</i> (Asteraceae, Heliantheae). <i>Biochemical Systematics and Ecology</i> , 2006, 34, 757-759.	0.6	6
95	Sesquiterpene Lactones from <i>Dimerostemma</i> Species (Asteraceae) and in vitro Potential Anti-Inflammatory Activities. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 647-652.	0.6	13
96	Sesquiterpene lactone-based classification of three Asteraceae tribes: a study based on self-organizing neural networks applied to chemosystematics. <i>Phytochemistry</i> , 2005, 66, 345-353.	1.4	58
97	Optimisation of a human neutrophil elastase assay and investigation of the effect of sesquiterpene lactones. <i>Biologicals</i> , 2005, 33, 175-184.	0.5	11
98	Quantitative determination of enhydrin in leaf rinse extracts and in glandular trichomes of <i>Smallanthus sonchifolius</i> (Asteraceae) by reversed-phase high-performance liquid chromatography. <i>Phytochemical Analysis</i> , 2005, 16, 161-165.	1.2	22
99	Evidence for the Mechanisms Underlying the Effects of Pimaradienoic Acid Isolated from the Roots of <i>Viguiera arenaria</i> on Rat Aorta. <i>Pharmacology</i> , 2004, 70, 31-38.	0.9	25
100	Terpenoids of <i>Viguiera arenaria</i> (Asteraceae). <i>Biochemical Systematics and Ecology</i> , 2004, 32, 221-224.	0.6	33
101	Analysis of the mechanisms underlying the vasorelaxant action of kaurenoic acid in the isolated rat aorta. <i>European Journal of Pharmacology</i> , 2004, 492, 233-241.	1.7	59
102	Quantitative Structure-Activity Relationship of Sesquiterpene Lactones as Inhibitors of the Transcription Factor NF- κ B. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 6042-6054.	2.9	239
103	Structure-based predictions of ¹ H NMR chemical shifts of sesquiterpene lactones using neural networks. <i>Tetrahedron Letters</i> , 2004, 45, 6931-6935.	0.7	12
104	Sesquiterpene lactones from glandular trichomes of <i>Viguiera radula</i> (Heliantheae; Asteraceae). <i>Phytochemistry</i> , 2003, 62, 1185-1189.	1.4	28
105	Eudesmanolides from <i>Dimerostemma vestitum</i> . <i>Journal of Natural Products</i> , 2003, 66, 401-403.	1.5	13
106	A proposal for chemical characterization and quality evaluation of botanical raw materials using glandular trichome microsampling of <i>Polymnia sonchifolia</i> (Asteraceae), an Andean medicinal plant. <i>Revista Brasileira De Farmacognosia</i> , 2003, 13, 1.	0.6	6
107	Inhibitory action of kaurenoic acid from <i>Viguiera robusta</i> (Asteraceae) on phenylephrine-induced rat carotid contraction. <i>Fä-toterapÄ-c</i> , 2002, 73, 56-62.	1.1	29
108	Pimarane diterpene from <i>Viguiera arenaria</i> (Asteraceae) inhibit rat carotid contraction. <i>Fä-toterapÄ-c</i> , 2002, 73, 484-489.	1.1	25

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109	Guaianolides from <i>Viguiera gardneri</i> inhibit the transcription factor NF- κ B. <i>Phytochemistry</i> , 2002, 60, 733-740.	1.4	38
110	Intraspecific variation in the chemistry of glandular trichomes of two Brazilian <i>Viguiera</i> species (<i>Heliantheae</i> ; <i>Asteraceae</i>). <i>Journal of the Brazilian Chemical Society</i> , 2001, 12, 403-407.	0.6	33
111	Sesquiterpene lactones and a myoinositol from glandular trichomes of <i>Viguiera quinqueremis</i> (<i>Heliantheae</i> ; <i>Asteraceae</i>). <i>Phytochemistry</i> , 2001, 57, 267-272.	1.4	35
112	Constituents of <i>Viguiera aspillioides</i> and <i>V. robusta</i> . <i>Biochemical Systematics and Ecology</i> , 1996, 24, 585-587.	0.6	25
113	Diterpenes and Synthetic Derivatives from <i>Viguiera aspillioides</i> with Trypanocidal Activity. <i>Planta Medica</i> , 1996, 62, 557-559.	0.7	32
114	Flavonoids and heliangolides from <i>Lychnophora diamantinana</i> . <i>Phytochemistry</i> , 1993, 34, 261-263.	1.4	18