

# Massuo Kato

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3983030/publications.pdf>

Version: 2024-02-01

206  
papers

5,388  
citations

81900

39  
h-index

133252

59  
g-index

222  
all docs

222  
docs citations

222  
times ranked

4977  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antifungal amides from <i>Piper hispidum</i> and <i>Piper tuberculatum</i> . <i>Phytochemistry</i> , 2000, 55, 621-626.	2.9	185
2	Benzoic Acid Derivatives from <i>Piper</i> Species and Their Fungitoxic Activity against <i>Cladosporium cladosporioides</i> and <i>C. sphaerospermum</i> . <i>Journal of Natural Products</i> , 2004, 67, 1783-1788.	3.0	166
3	Antifungal amides from <i>Piper arboreum</i> and <i>Piper tuberculatum</i> . <i>Phytochemistry</i> , 2002, 59, 521-527.	2.9	129
4	<i>Schistosoma mansoni</i> : In vitro schistosomicidal activity of piplartine. <i>Experimental Parasitology</i> , 2011, 127, 357-364.	1.2	125
5	Antimalarial use of volatile oil from leaves of <i>Viola surinamensis</i> (Rol.) Warb. by Waiãpi Amazon Indians. <i>Journal of Ethnopharmacology</i> , 1999, 67, 313-319.	4.1	108
6	Phenylpropanoids and neolignans from <i>Piper regnellii</i> . <i>Phytochemistry</i> , 1999, 52, 339-343.	2.9	97
7	Chemistry and evolution of the Piperaceae. <i>Pure and Applied Chemistry</i> , 2007, 79, 529-538.	1.9	97
8	Modern approaches to study plant–insect interactions in chemical ecology. <i>Nature Reviews Chemistry</i> , 2018, 2, 50-64.	30.2	97
9	Antifungal flavanones and prenylated hydroquinones from <i>Piper crassinervium</i> Kunth. <i>Phytochemistry</i> , 2003, 64, 555-559.	2.9	96
10	Biosynthesis of antioxidant lignans in <i>Sesamum indicum</i> seeds. <i>Phytochemistry</i> , 1998, 47, 583-591.	2.9	92
11	Trypanocidal tetrahydrofuran lignans from inflorescences of <i>Piper solmsianum</i> . <i>Phytochemistry</i> , 2003, 64, 667-670.	2.9	81
12	Natural Chromenes and Chromene Derivatives as Potential Anti-trypanosomal Agents. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 538-540.	1.4	78
13	Flavonoids and Lignans from <i>Viola surinamensis</i> Twigs and their in vitro Activity against <i>Trypanosoma cruzi</i> . <i>Planta Medica</i> , 1998, 64, 667-669.	1.3	77
14	Essential Oils from <i>Piper cernuum</i> and <i>Piper regnellii</i> : Antimicrobial Activities and Analysis by GC/MS and <sup>13</sup> C-NMR. <i>Planta Medica</i> , 2001, 67, 771-773.	1.3	77
15	A chromene and prenylated benzoic acid from <i>Piper aduncum</i> . <i>Phytochemistry</i> , 1999, 51, 899-902.	2.9	76
16	Composition and antifungal activity of essential oils from <i>Piper aduncum</i> , <i>Piper arboreum</i> and <i>Piper tuberculatum</i> . <i>Quimica Nova</i> , 2006, 29, 467-470.	0.3	76
17	Antifungal Amide from Leaves of <i>Piper hispidum</i> . <i>Journal of Natural Products</i> , 1998, 61, 637-639.	3.0	75
18	Biosynthesis of friedelane and quinonemethide triterpenoids is compartmentalized in <i>Maytenus aquifolium</i> and <i>Salacia campestris</i> . <i>Phytochemistry</i> , 2000, 55, 741-748.	2.9	70

#	ARTICLE	IF	CITATIONS
19	Schistosoma mansoni: In vitro schistosomicidal activity and tegumental alterations induced by pipartine on schistosomula. <i>Experimental Parasitology</i> , 2012, 132, 222-227.	1.2	66
20	Piperamides and their derivatives as potential anti-trypanosomal agents. <i>Medicinal Chemistry Research</i> , 2009, 18, 703-711.	2.4	64
21	Chromenes from <i>Peperomia serpens</i> (Sw.) Loudon (Piperaceae). <i>Phytochemistry</i> , 2006, 67, 2398-2402.	2.9	62
22	Absolute configuration reassignment of two chromanes from <i>Peperomia obtusifolia</i> (Piperaceae) using VCD and DFT calculations. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2402-2407.	1.8	61
23	Nitrogen acquisition in <i>Agave tequilana</i> from degradation of endophytic bacteria. <i>Scientific Reports</i> , 2014, 4, 6938.	3.3	61
24	Antioxidant activity of prenylated hydroquinone and benzoic acid derivatives from <i>Piper crassinervium</i> Kunth. <i>Phytochemistry</i> , 2006, 67, 1838-1843.	2.9	57
25	Lignoids and arylalkanones from fruits of <i>Virola elongata</i> . <i>Phytochemistry</i> , 1990, 29, 1799-1810.	2.9	54
26	Antifungal Amides from <i>Piper scutifolium</i> and <i>Piper hoffmanseggianum</i> . <i>Journal of Natural Products</i> , 2007, 70, 2036-2039.	3.0	53
27	UV-resistant yeasts isolated from a high altitude volcanic area on the Atacama Desert as eukaryotic models for astrobiology. <i>MicrobiologyOpen</i> , 2015, 4, 574-588.	3.0	53
28	Antifungal constituents from roots of <i>Virolasurinamensis</i> . <i>Phytochemistry</i> , 1999, 51, 29-33.	2.9	51
29	<i>Enterobacter cloacae</i> , an Endophyte That Establishes a Nutrient-Transfer Symbiosis With Banana Plants and Protects Against the Black Sigatoka Pathogen. <i>Frontiers in Microbiology</i> , 2019, 10, 804.	3.5	51
30	VCD to determine absolute configuration of natural product molecules: secolignans from <i>Peperomia blanda</i> . <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4208.	2.8	50
31	In vitro Trypanocidal Activity of Phenolic Derivatives from <i>Peperomia obtusifolia</i> . <i>Planta Medica</i> , 2009, 75, 620-623.	1.3	49
32	Biotransformation of a tetrahydrofuran lignan by the endophytic fungus <i>Phomopsis</i> Sp.. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 195-200.	0.6	48
33	Absolute Configuration and Selective Trypanocidal Activity of Gaudichaudianic Acid Enantiomers. <i>Journal of Natural Products</i> , 2011, 74, 1154-1160.	3.0	48
34	Biflavonoids from Brazilian pine <i>Araucaria angustifolia</i> as potentials protective agents against DNA damage and lipoperoxidation. <i>Phytochemistry</i> , 2005, 66, 2238-2247.	2.9	47
35	4-Nerolidylcatechol from <i>Pothomorphe</i> Spp. Scavenges Peroxyl Radicals and Inhibits Fe(II)-Dependent DNA Damage. <i>Planta Medica</i> , 1997, 63, 561-563.	1.3	45
36	Phenylpropanoids and tetrahydrofuran lignans from <i>Piper solmsianum</i> . <i>Phytochemistry</i> , 2000, 55, 843-846.	2.9	45

#	ARTICLE	IF	CITATIONS
37	Evaluation of percutaneous absorption of 4-nerolidylcatechol from four topical formulations. <i>International Journal of Pharmaceutics</i> , 2002, 249, 109-116.	5.2	43
38	Quantitative determination of anti-fungal and insecticide amides in adult plants, plantlets and callus from <i>Piper tuberculatum</i> by reverse-phase high-performance liquid chromatography. <i>Phytochemical Analysis</i> , 2003, 14, 281-284.	2.4	43
39	Lignans, $\hat{1}^3$ -lactones and propiophenones of <i>Viola surinamensis</i> . <i>Phytochemistry</i> , 1996, 43, 1089-1092.	2.9	42
40	Acylresorcinols from <i>Viola sebifera</i> and <i>Viola elongata</i> . <i>Phytochemistry</i> , 1985, 24, 533-536.	2.9	41
41	Phenylpropanoid derivatives and biflavones at different stages of differentiation and development of <i>Araucaria angustifolia</i> . <i>Phytochemistry</i> , 2000, 55, 575-580.	2.9	39
42	Structure Elucidation and Absolute Stereochemistry of Isomeric Monoterpene Chromane Esters. <i>Journal of Organic Chemistry</i> , 2011, 76, 2603-2612.	3.2	39
43	Molluscicidal and ovicidal activities of plant extracts of the Piperaceae on <i>Biomphalaria glabrata</i> (Say, 1818). <i>Journal of Helminthology</i> , 2011, 85, 66-72.	1.0	39
44	Microbial transformation of cadina-4,10(15)-dien-3-one, aromadendr-1(10)-en-9-one and methyl ursolate by <i>Mucor plumbeus</i> ATCC 4740. <i>Phytochemistry</i> , 2002, 59, 479-488.	2.9	37
45	Biflavonoids from <i>Araucaria angustifolia</i> protect against DNA UV-induced damage. <i>Phytochemistry</i> , 2009, 70, 615-620.	2.9	37
46	Antinociceptive and antiinflammatory activities of grandisin extracted from <i>Viola surinamensis</i> . <i>Phytotherapy Research</i> , 2010, 24, 113-118.	5.8	37
47	Divergence of secondary metabolism in cell suspension cultures and differentiated plants of <i>Piper cernuum</i> and <i>P. crassinervium</i> . <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 1425-1430.	0.6	36
48	Aldingenin A, new brominated sesquiterpene from red algae <i>Laurencia aldingensis</i> . <i>Tetrahedron Letters</i> , 2003, 44, 2637-2640.	1.4	34
49	Chromenes of polyketide origin from <i>Peperomia villipetiola</i> . <i>Phytochemistry</i> , 2005, 66, 573-579.	2.9	34
50	Synthesis and trypanocidal activity of 1,4-bis-(3,4,5-trimethoxy-phenyl)-1,4-butanediol and 1,4-bis-(3,4-dimethoxyphenyl)-1,4-butanediol. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 7075-7082.	3.0	34
51	Trypanocidal tetrahydrofuran lignans from <i>Peperomia blanda</i> . <i>Phytochemistry</i> , 2008, 69, 445-450.	2.9	34
52	Resolution and absolute configuration assignment of a natural racemic chromane from <i>Peperomia obtusifolia</i> (Piperaceae). <i>Chirality</i> , 2009, 21, 799-801.	2.6	34
53	In Vitro Synergistic Interaction Between Amide Piplartine and Antimicrobial Peptide Dermaseptin Against <i>Schistosoma mansoni</i> Schistosomula and Adult Worms. <i>Current Medicinal Chemistry</i> , 2013, 20, 301-309.	2.4	34
54	Trypanocidal activity of <i>Piper arboreum</i> and <i>Piper tuberculatum</i> (Piperaceae). <i>Revista Brasileira De Farmacognosia</i> , 2009, 19, 199-203.	1.4	33

#	ARTICLE	IF	CITATIONS
55	Antifungal activity of natural and synthetic amides from Piper species. Journal of the Brazilian Chemical Society, 2010, 21, 1807-1813.	0.6	33
56	Antiherbivore Prenylated Benzoic Acid Derivatives from <i>Piper kelleyi</i> . Journal of Natural Products, 2014, 77, 148-153.	3.0	33
57	Circadian and seasonal variation in the essential oil from <i>Virola surinamensis</i> leaves. Phytochemistry, 1997, 46, 689-693.	2.9	32
58	Similarity in volatile communities leads to increased herbivory and greater tropical forest diversity. Ecology, 2017, 98, 1750-1756.	3.2	32
59	Flavones and lignans in flowers, fruits and seedlings of <i>Virola venosa</i> . Phytochemistry, 1992, 31, 283-287.	2.9	31
60	Enantioselective conversion of p-hydroxypropenylbenzene to (+)-conocarpan in <i>Piper regnellii</i> . Plant Science, 2001, 161, 1083-1088.	3.6	31
61	Toxicity of extracts and isobutyl amides from <i>Piper tuberculatum</i> : potent compounds with potential for the control of the velvetbean caterpillar, <i>Anticarsia gemmatalis</i> . Pest Management Science, 2007, 63, 399-403.	3.4	31
62	2-Nitro- and 2,4-Dinitrobenzenesulfonamides as Protecting Groups for Primary Amines. Synlett, 2001, 2001, 1167-1169.	1.8	30
63	Susceptibility of <i>Apis mellifera</i> (Hymenoptera: Apidae) to pellitorine, an amide isolated from <i>Piper tuberculatum</i> (Piperaceae). Apidologie, 2003, 34, 409-415.	2.0	30
64	Leishmanicidal activity of an alkenylphenol from <i>Piper malacophyllum</i> is related to plasma membrane disruption. Experimental Parasitology, 2012, 132, 383-387.	1.2	30
65	(+)-Episesaminone, a <i>Sesamum indicum</i> Furofuran Lignan. Isolation and Hemisynthesis. Journal of Natural Products, 1997, 60, 1189-1192.	3.0	29
66	Chemical constituents from <i>Piper marginatum</i> Jacq. (Piperaceae) antifungal activities and kinetic resolution of (RS)-marginatumol by <i>Candida antarctica</i> lipase (Novozym 435). Tetrahedron: Asymmetry, 2007, 18, 1054-1058.	1.8	29
67	In vitro metabolism of the alkaloid piplartine by rat liver microsomes. Journal of Pharmaceutical and Biomedical Analysis, 2014, 95, 113-120.	2.8	29
68	Flavonoids from <i>Iryanthera sagotiana</i> . Phytochemistry, 1997, 46, 579-582.	2.9	28
69	Circadian rhythm of anti-fungal prenylated chromene in leaves of <i>Piper aduncum</i> . Phytochemical Analysis, 2005, 16, 282-286.	2.4	28
70	Larvicidal Activity of Grandisin Against <i>Aedes aegypti</i> . Journal of the American Mosquito Control Association, 2009, 25, 103-105.	0.7	28
71	Biomimetic Oxidation of Piperine and Piplartine Catalyzed by Iron(III) and Manganese(III) Porphyrins. Biological and Pharmaceutical Bulletin, 2010, 33, 912-916.	1.4	27
72	Schistosomiasis Control Using Piplartine against <i>Biomphalaria glabrata</i> at Different Developmental Stages. PLoS Neglected Tropical Diseases, 2013, 7, e2251.	3.0	26

#	ARTICLE	IF	CITATIONS
73	Occurrence of Isoflavonoids in Brazilian Common Bean Germplasm ( <i>Phaseolus vulgaris</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 9699-9704.	5.2	26
74	Antifungal piperolides from <i>Piper malacophyllum</i> (Prels) C. DC.. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 153-156.	0.6	25
75	<i>In vitro</i> activity of compounds isolated from <i>Piper crassinervium</i> against <i>Trypanosoma cruzi</i> . <i>Natural Product Research</i> , 2008, 22, 1040-1046.	1.8	25
76	<i>In vitro</i> metabolism study of the promising anticancer agent the lignan (âˆ²)-grandisin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 72, 240-244.	2.8	25
77	Age-dependent changes from allylphenol to prenylated benzoic acid production in <i>Piper gaudichaudianum</i> Kunth. <i>Phytochemistry</i> , 2014, 106, 86-93.	2.9	25
78	Computer-aided method for identification of components in essential oils by <sup>13</sup> C NMR spectroscopy. <i>Analytica Chimica Acta</i> , 2001, 447, 125-134.	5.4	23
79	Lethal and Inhibitory Activities of Plant-Derived Essential Oils Against <i>Bemisia tabaci</i> Gennadius (Hemiptera: Aleyrodidae) Biotype B in Tomato. <i>Neotropical Entomology</i> , 2016, 45, 201-210.	1.2	23
80	Prenylated benzoic acid derivatives from <i>Piper aduncum</i> L. and <i>P. hostmannianum</i> C. DC. (Piperaceae). <i>Phytochemistry Letters</i> , 2009, 2, 96-98.	1.2	22
81	Geranylation of benzoic acid derivatives by enzymatic extracts from <i>Piper crassinervium</i> (Piperaceae). <i>Bioresource Technology</i> , 2010, 101, 4251-4260.	9.6	22
82	<i>In vitro</i> basal cytotoxicity assay applied to estimate acute oral systemic toxicity of grandisin and its major metabolite. <i>Experimental and Toxicologic Pathology</i> , 2011, 63, 505-510.	2.1	22
83	Natural products from <i>Peperomia</i> : occurrence, biogenesis and bioactivity. <i>Phytochemistry Reviews</i> , 2016, 15, 1009-1033.	6.5	22
84	Design, synthesis and antitrypanosomatid activities of 3,5-diaryl-1,3,4-oxazole analogues based on neolignans veraguensin, grandisin and machilin G. <i>Chemical Biology and Drug Design</i> , 2019, 93, 313-324.	3.2	22
85	A butanolide from seedlings and micropropagated leaves of <i>Virola surinamensis</i> â†. <i>Phytochemistry</i> , 1994, 35, 1469-1470.	2.9	21
86	Antifungal lignans from the arils of <i>Virola oleifera</i> . <i>Phytochemistry</i> , 1998, 47, 1003-1006.	2.9	21
87	Synergistic effects of <i>in vitro</i> combinations of pipartine, epiisopiloturine and praziquantel against <i>Schistosoma mansoni</i> . <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 488-499.	5.6	21
88	Isoswertisin flavones and other constituents from <i>Peperomia obtusifolia</i> . <i>Natural Product Research</i> , 2011, 25, 1-7.	1.8	20
89	Further monoterpene chromane esters from <i>Peperomia obtusifolia</i> : VCD determination of the absolute configuration of a new diastereomeric mixture. <i>Tetrahedron Letters</i> , 2012, 53, 6051-6054.	1.4	20
90	Antifungal derivatives from <i>Piper mollicomum</i> and <i>P. lhotzkyanum</i> (Piperaceae). <i>Quimica Nova</i> , 2007, 30, 1222-1224.	0.3	19

#	ARTICLE	IF	CITATIONS
91	3-Ishwarone and 3-Ishwarol, rare sesquiterpenes in essential oil from leaves of <i>Peperomia oreophila</i> Hensch.. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 638-642.	0.6	19
92	Biosynthetic origins of the isoprene units of gaudichaudianic acid in <i>Piper gaudichaudianum</i> (Piperaceae). <i>Phytochemistry</i> , 2007, 68, 2053-2058.	2.9	19
93	Metabolism of (âˆ™)-grandisin from <i>Piper solmsianum</i> in Coleoptera and Lepidoptera species. <i>Phytochemistry</i> , 2008, 69, 2157-2161.	2.9	19
94	Insect feeding preferences on Piperaceae species observed in SÃ£o Paulo city, Brazil. <i>Revista Brasileira De Entomologia</i> , 2008, 52, 72-77.	0.4	19
95	Host-guest system of 4-nerolidylcatechol in 2-hydroxypropyl-âˆ²-cyclodextrin: preparation, characterization and molecular modeling. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 64, 23-35.	1.6	19
96	Development and characterization of PLGA nanocapsules of grandisin isolated from <i>Virola surinamensis</i> : in vitro release and cytotoxicity studies. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 153-159.	1.4	19
97	Critical assessment of electrolyte systems for the capillary electrophoresis analysis of phenolic compounds in herbal extracts. <i>Journal of Separation Science</i> , 2001, 13, 227-235.	1.0	18
98	Protective effects of 4-nerolidylcatechol against genotoxicity induced by cyclophosphamide. <i>Food and Chemical Toxicology</i> , 2007, 45, 1975-1978.	3.6	18
99	Sequestration of prenylated benzoic acid and chromenes by <i>Naupactus bipes</i> (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.1	18
100	Electrochemical ecology: VIMP monitoring of plant defense against external stressors. <i>RSC Advances</i> , 2015, 5, 61006-61011.	3.6	18
101	Effect of isoxazole derivatives of tetrahydrofuran neolignans on intracellular amastigotes of <i>Leishmania amazonensis</i> : A structure-activity relationship comparative study with triazole-based compounds. <i>Chemical Biology and Drug Design</i> , 2019, 94, 2004-2012.	3.2	18
102	Butanolides as a common feature of <i>iryranthera lancifolia</i> and <i>virola surinamensis</i> . <i>Phytochemistry</i> , 1998, 49, 1405-1410.	2.9	17
103	3,4-Epoxy-2-piperidone, a new minor derivative from leaves of <i>Piper crassinervium</i> Kunth (Piperaceae). <i>Natural Product Research</i> , 2007, 21, 910-914.	1.8	17
104	In vitro morphogenesis and cell suspension culture establishment in <i>Piper solmsianum</i> C. DC. (Piperaceae). <i>Acta Botanica Brasilica</i> , 2009, 23, 274-281.	0.8	17
105	Piperlongumine Induces Apoptosis in Colorectal Cancer HCT 116 Cells Independent of Bax, p21 and p53 Status. <i>Anticancer Research</i> , 2018, 38, 6231-6236.	1.1	17
106	Flavonas, lignanas e terpeno de <i>Piper umbellata</i> (Piperaceae). <i>Quimica Nova</i> , 2009, 32, 1107-1109.	0.3	16
107	Grandisin caused morphological changes larval and toxicity on <i>Aedes aegypti</i> . <i>Revista Brasileira De Farmacognosia</i> , 2012, 22, 517-521.	1.4	16
108	The Combined Use of Proteomics and Transcriptomics Reveals a Complex Secondary Metabolite Network in <i>Peperomia obtusifolia</i> . <i>Journal of Natural Products</i> , 2017, 80, 1275-1286.	3.0	16

#	ARTICLE	IF	CITATIONS
109	Effect of pipartine and cinnamides on <i>Leishmania amazonensis</i> , <i>Plasmodium falciparum</i> and on peritoneal cells of Swiss mice. <i>Pharmaceutical Biology</i> , 2017, 55, 1601-1607.	2.9	16
110	Larvicidal Activity of Essential Oils From Piper Species Against Strains of <i>Aedes aegypti</i> (Diptera: Tj ETQq0 0 0 rgBT, Overlock, 10 Tf 50 7	3.6	16
111	Cytotoxicity and antiangiogenic activity of grandisin. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 1709-1714.	2.4	15
112	Antioxidant Capacity and Larvicidal and Antifungal Activities of Essential Oils and Extracts from <i>Piper kruckhoffii</i> . <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	15
113	Structure and absolute configuration of a secolignan from <i>Peperomia blanda</i> . <i>Phytochemistry Letters</i> , 2011, 4, 245-249.	1.2	15
114	Bioactivity-guided isolation of laevicarpin, an antitrypanosomal and anticryptococcal lactam from <i>Piper laevicarpu</i> (Piperaceae). <i>FÅ-toterapÅ-Åç</i> , 2016, 111, 24-28.	2.2	15
115	Butanolides and a neolignan from the fruits of <i>Iryanthera paraensis</i> huber. <i>Phytochemistry</i> , 1996, 43, 669-671.	2.9	14
116	An efficient and versatile synthesis of acylpolyamine spider toxins. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 299-302.	2.2	14
117	Dibenzylbutane and aryltetralone lignans from seeds of <i>Viola sebifera</i> . <i>Phytochemistry</i> , 2002, 61, 427-432.	2.9	14
118	In vitro Metabolism of Grandisin, a Lignan with Anti-chagasic Activity. <i>Planta Medica</i> , 2012, 78, 1939-1941.	1.3	14
119	Antifungal and Cytotoxic 2-Acylcyclohexane-1,3-diones from <i>Peperomia alata</i> and <i>P. trineura</i> . <i>Journal of Natural Products</i> , 2014, 77, 1377-1382.	3.0	14
120	Biosynthetic origins of the isoprene units of 4-nerolidylcatechol in <i>Potomorphe umbellata</i> . <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 1406-1409.	0.6	13
121	Anti-leishmania activity of semi-purified fraction of <i>Jacaranda puberula</i> leaves. <i>Parasitology Research</i> , 2007, 101, 677-680.	1.6	13
122	Neolignans and sesquiterpenes from leaves and embryogenic cultures of <i>Ocotea Catharinensis</i> (Lauraceae). <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 853-859.	0.6	13
123	Characterization of the essential oils of two species of Piperaceae by one- and two-dimensional chromatographic techniques with quadrupole mass spectrometric detection. <i>Microchemical Journal</i> , 2014, 115, 113-120.	4.5	13
124	Structure-Activity Relationship of Pipartine and Synthetic Analogues against <i>Schistosoma mansoni</i> and Cytotoxicity to Mammalian Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1802.	4.1	13
125	2-Hydroxy-4,6-dimethoxyacetophenone from leaves of <i>Peperomia glabella</i> . <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1205.	0.6	12
126	Disruption of <i>Chrysomya megacephala</i> Growth Caused by Lignan Grandisin : Table 1. <i>Journal of Medical Entomology</i> , 2009, 46, 281-283.	1.8	12



#	ARTICLE	IF	CITATIONS
127	Secondary Metabolic Profiles of Two Cultivars of <i>Piper nigrum</i> (Black Pepper) Resulting from Infection by <i>Fusarium solani</i> f. sp. <i>piperis</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 2434.	4.1	12
128	The chemical ecology of tropical forest diversity: Environmental variation, chemical similarity, herbivory, and richness. <i>Ecology</i> , 2022, 103, e3762.	3.2	12
129	Lignans: Diversity, Biosynthesis, and Function. <i>ACS Symposium Series</i> , 1995, , 135-167.	0.5	11
130	Isobutyl amides—potent compounds for controlling <i>Diatraea saccharalis</i> . <i>Pest Management Science</i> , 2009, 65, 47-51.	3.4	11
131	Botanical extracts: alternative control for silverleaf whitefly management in tomato Extratos botnicos: controle alternativo para o manejo de mosca-branca em tomateiro. <i>Horticultura Brasileira</i> , 2015, 33, 59-65.	0.5	11
132	Antioxidant activity of aryltetralone lignans and derivatives from <i>Virola sebifera</i> (Aubl.). <i>Natural Product Research</i> , 2005, 19, 661-666.	1.8	10
133	Chemoprotective effect of the tetrahydrofuran lignan grandisin in the in-vivo rodent micronucleus assay. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 447-451.	2.4	10
134	Secondary metabolites isolated from <i>Piper chimonantifolium</i> and their antifungal activity. <i>Natural Product Research</i> , 2012, 26, 770-773.	1.8	10
135	A Benzoic Acid Derivative and Flavokawains from <i>Piper</i> species as Schistosomiasis Vector Controls. <i>Molecules</i> , 2014, 19, 5205-5218.	3.8	10
136	Cytotoxic non-aromatic B-ring flavanones from <i>Piper carnicornectivum</i> C. DC.. <i>Phytochemistry</i> , 2014, 97, 81-87.	2.9	10
137	Neolignans from fruits of <i>Virola elongata</i> . <i>Phytochemistry</i> , 1985, 25, 279-280.	2.9	9
138	Chemometric analysis of ESIMS and NMR data from <i>Piper</i> species. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 2371-2382.	0.6	9
139	Biotransformation of 4-nerolidylcatechol by <i>Heraclides brasiliensis</i> (Lepidoptera: Papilionidae) reduces the toxicity of <i>Piper umbellata</i> (Piperaceae). <i>Chemoecology</i> , 2012, 22, 39-45.	1.1	9
140	Cytotoxicity of Piperamides Towards <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2014, 51, 458-463.	1.8	9
141	Pipa carvalhoi skin secretion profiling: Absence of peptides and identification of kynurenic acid as the major constitutive component. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 167, 1-6.	2.6	9
142	Configuration and stability of naturally occurring all-cis-tetrahydrofuran lignans from <i>Piper solmsianum</i> . <i>RSC Advances</i> , 2017, 7, 46932-46937.	3.6	9
143	Fragmentation pattern of amides by EI and HRESI: study of protonation sites using DFT-3LYP data. <i>RSC Advances</i> , 2018, 8, 21407-21413.	3.6	9
144	Description of three new species of Geometridae (Lepidoptera) using species delimitation in an integrative taxonomy approach for a cryptic species complex. <i>PeerJ</i> , 2021, 9, e11304.	2.0	9

#	ARTICLE	IF	CITATIONS
145	Phytochemistry reflects different evolutionary history in traditional classes versus specialized structural motifs. <i>Scientific Reports</i> , 2021, 11, 17247.	3.3	9
146	Selection and validation of reference genes for measuring gene expression in <i>Piper</i> species at different life stages using RT-qPCR analysis. <i>Plant Physiology and Biochemistry</i> , 2022, 171, 201-212.	5.8	9
147	Lignans from kernels of <i>Virola michelii</i> Heckel. <i>Phytochemistry</i> , 1995, 40, 1259-1261.	2.9	8
148	Caldensinic acid, a prenylated benzoic acid from <i>Piper caldense</i> . <i>Phytochemistry Letters</i> , 2009, 2, 119-122.	1.2	8
149	Gas-phase fragmentation of protonated pipartine and its fungal metabolites using tandem mass spectrometry and computational chemistry. <i>Journal of Mass Spectrometry</i> , 2017, 52, 517-525.	1.6	8
150	From the leaf to the community: Distinct dimensions of phytochemical diversity shape insect-plant interactions within and among individual plants. <i>Journal of Ecology</i> , 2021, 109, 2475-2487.	4.0	8
151	Synthesis of trypanocidal tetrahydrofuran lignans. <i>Arkivoc</i> , 2004, 2004, 112-126.	0.5	8
152	Lignoids in seedlings of <i>Virola sebifera</i> . <i>Phytochemical Analysis</i> , 2000, 11, 383-386.	2.4	7
153	Global phytochemistry: the Brazilian approach. <i>Phytochemistry</i> , 2001, 57, 621-623.	2.9	7
154	New Butenolides in Plantlets of <i>Virola surinamensis</i> (Myristicaceae). <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 1255-1257.	1.3	7
155	Ontogenetic Changes in the Chemical Profiles of <i>Piper</i> Species. <i>Plants</i> , 2021, 10, 1085.	3.5	7
156	Importance of a multidisciplinary evaluation of <i>Piper</i> genus for development of new natural products in Latin America. <i>International Journal of Phytocosmetics and Natural Ingredients</i> , 2014, 1, 4-4.	0.3	7
157	Biosynthetic origin of the isoprene units in chromenes of <i>Piper aduncum</i> (Piperaceae). <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 1500-1503.	0.6	6
158	Hydrolysis of methyl benzoate from <i>Piper arboreum</i> by <i>Naupactus bipes</i> beetle. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 560-563.	0.6	6
159	Meroterpenes from <i>Peperomia oreophila</i> Hensch. and <i>Peperomia arifolia</i> Miq.. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 782-785.	0.6	6
160	Alkenylphenols from <i>Piper dilatatum</i> and <i>P. diospyrifolium</i> . <i>Phytochemistry Letters</i> , 2018, 25, 136-140.	1.2	6
161	Biosynthesis of Pellucidin A in <i>Peperomia pellucida</i> (L.) HBK. <i>Frontiers in Plant Science</i> , 2021, 12, 641717.	3.6	6
162	Antifungal piperamides from <i>Piper mollicomum</i> Kunth (Piperaceae). <i>Eletica Quimica</i> , 2018, 43, 33.	0.5	6

#	ARTICLE	IF	CITATIONS
163	Chemical and Genotypic Variations in <i>Aniba rosiodora</i> from the Brazilian Amazon Forest. <i>Molecules</i> , 2021, 26, 69.	3.8	6
164	The peptide secreted at the water to land transition in a model amphibian has antioxidant effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211531.	2.6	6
165	Synthesis of Dibenzocyclooctadienes by Anodic Oxidation. <i>Synthetic Communications</i> , 1991, 21, 1331-1336.	2.1	5
166	The Chemistry of Amazonian Myristicaceae. <i>ACS Symposium Series</i> , 1995, , 168-179.	0.5	5
167	An efficient and versatile synthesis of all structural types of acylpolyamine spider toxins. <i>Tetrahedron</i> , 2006, 62, 8335-8350.	1.9	5
168	Secondary Metabolites from the Phloem of <i>Piper solmsianum</i> (Piperaceae) in the Honeydew of <i>Edessa meditabunda</i> . <i>Phytochemical Analysis</i> , 2012, 23, 604-606.	2.4	5
169	Grandisin induces apoptosis in leukemic K562 cells. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2017, 53, .	1.2	5
170	Evaluation of DNA markers for molecular identification of three <i>Piper</i> species from Brazilian Atlantic Rainforest. <i>PLoS ONE</i> , 2020, 15, e0239056.	2.5	5
171	In silico evaluation and in vitro growth inhibition of <i>Plasmodium falciparum</i> by natural amides and synthetic analogs. <i>Parasitology Research</i> , 2020, 119, 1879-1887.	1.6	5
172	Antileishmanial activity evaluation of a natural amide and its synthetic analogs against <i>Leishmania (V.) braziliensis</i> : an integrated approach in vitro and in silico. <i>Parasitology Research</i> , 2021, 120, 2199-2218.	1.6	5
173	The Arsenal of Bioactive Molecules in the Skin Secretion of Urodele Amphibians. <i>Frontiers in Pharmacology</i> , 2021, 12, 810821.	3.5	5
174	Development and Validation of a Micellar Electrokinetic Chromatography Method for Quantitative Determination of Butenolides in <i>Piper malacophyllum</i> (C. Presl) C. DC.. <i>Phytochemical Analysis</i> , 2010, 21, 428-433.	2.4	4
175	Antifungal Constituents from the Roots of <i>Piper dilatatum</i> Rich.. <i>Journal of Chemistry</i> , 2013, 2013, 1-5.	1.9	4
176	Isolation and Characterization of Nine Polymorphic Microsatellite Loci in <i>Piper solmsianum</i> (Piperaceae). <i>Applications in Plant Sciences</i> , 2014, 2, 1300092.	2.1	4
177	Biosynthesis of tetrahydrofuran lignans in <i>Virola surinamensis</i> . <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , 2004, 40, 53-57.	0.5	4
178	Cytotoxicity and antiangiogenic activity of grandisin. <i>Journal of Pharmacy and Pharmacology</i> , 2009, 61, 1709-1714.	2.4	4
179	Uptake of Seeds Secondary Metabolites by <i>Virola surinamensis</i> Seedlings. <i>International Journal of Analytical Chemistry</i> , 2012, 2012, 1-5.	1.0	3
180	Biosynthetic Insights into p-Hydroxybenzoic Acid-Derived Benzopyrans in <i>Piper gaudichaudianum</i> . <i>Journal of the Brazilian Chemical Society</i> , 0, .	0.6	3

#	ARTICLE	IF	CITATIONS
181	Natural History of a Sit-and-Wait Dipteran Predator That Uses Extrafloral Nectar as Prey Attractant. <i>Environmental Entomology</i> , 2018, 47, 1165-1172.	1.4	3
182	A double-edged sword: Unrecognized cryptic diversity and taxonomic impediment in <i>Eois</i> (Lepidoptera, Geometridae). <i>Zoologica Scripta</i> , 2021, 50, 633-646.	1.7	3
183	Determination of Diclofenac Sodium in Eagle's Minimum Essential Medium with Earle's Balanced Salt Solution. <i>Journal of AOAC INTERNATIONAL</i> , 2003, 86, 681-684.	1.5	2
184	Antitumor Activity of Extracts from <i>Peperomia elongata</i> . <i>Pharmaceutical Biology</i> , 2007, 45, 760-765.	2.9	2
185	Metabolism of neolignans from <i>P. regnellii</i> (Piperaceae) in the beetle <i>Naupactus bipes</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	2
186	Proteomic profile of <i>Piper tuberculatum</i> (Piperaceae). <i>Brazilian Journal of Biology</i> , 2018, 78, 117-124.	0.9	2
187	The role of pericarp in <i>Bidens L. heterocarpus</i> (Asteraceae). <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 257, 151426.	1.2	2
188	Distinct pattern of one-carbon metabolism, a nutrient-sensitive pathway, in invasive breast cancer: A metabolomic study. <i>Oncotarget</i> , 2020, 11, 1637-1652.	1.8	2
189	Presence of Phylloquinone in the Intraerythrocytic Stages of <i>Plasmodium falciparum</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 869085.	3.9	2
190	Electrophysiological Responses of the <i>Naupactus bipes</i> Beetle to Essential Oils from Piperaceae Species. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	1
191	Stabilization and detection of hydrophylloquinone as di- O -methyl derivative. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1033-1034, 368-371.	2.3	1
192	Kavalactones and Benzoic Acid Derivatives from Leaves of <i>Piper fuliginum</i> Kunth (Piperaceae). <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	1
193	Antifungal lignans from the arils of <i>Virola oleifera</i> . <i>Phytochemistry</i> , 1998, 47, 1003-1006.	2.9	1
194	Biosynthesis of bioactive piperamides in <i>Piper Tuberculatum</i> (Piperaceae). <i>Planta Medica</i> , 2012, 78, .	1.3	1
195	Phylogenetic studies of <i>Piper</i> and <i>Peperomia</i> : Reconstruction of secondary metabolites evolution. <i>Planta Medica</i> , 2014, 80, .	1.3	1
196	In vitro metabolism study of the bioactive lignan (-)-Grandisin. <i>Planta Medica</i> , 2012, 78, .	1.3	1
197	Are Brazilian bamboo species helpful for cognition and memory?. <i>Phytomedicine Plus</i> , 2022, 2, 100183.	2.0	1
198	Electrophysiological responses of the <i>Naupactus bipes</i> beetle to essential oils from Piperaceae species. <i>Natural Product Communications</i> , 2012, 7, 1103-6.	0.5	1

#	ARTICLE	IF	CITATIONS
199	Editorial: The Ecology of Plant Chemistry and How it Drives Multi-Species Interactions. <i>Frontiers in Plant Science</i> , 2019, 10, 967.	3.6	0
200	Antifungal piperolides, coumarins, pyrones and amides from <i>Piper</i> species and synthetic analogs. <i>Planta Medica</i> , 2008, 74, .	1.3	0
201	Bioactive C-geranylated metabolites from <i>Piper crassinervium</i> : biological and biosynthetic studies. <i>Planta Medica</i> , 2008, 74, .	1.3	0
202	Protease inhibition activity of semi-synthetic derivatives of Piperine isolated from <i>Piper tuberculatum</i> (Piperaceae) from Brazilian Flora. <i>Planta Medica</i> , 2010, 76, .	1.3	0
203	In vitro antifungal activity of crude extracts of <i>Piper tuberculatum</i> . <i>Revista Peruana De Biologia</i> , 2009, 16, 209-214.	0.3	0
204	Protein and metabolic profiles of <i>Peperomia Obtusifolia</i> (Piperaceae). <i>Planta Medica</i> , 2012, 78, .	1.3	0
205	Production of secondary metabolites in in vitro root cultures and cellular suspension of <i>Ipomoea carnea</i> spp. <i>carnea</i> Jacq.. <i>Anales De Biología</i> , 2014, , .	0.4	0
206	Metabolization of Insecticidal Amides from Leaves of <i>Piper tuberculatum</i> by <i>Heraclydes hectorides</i> and <i>Naupactus bipes</i> . <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	0