

Rachel Mata

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3765485/publications.pdf>

Version: 2024-02-01

226
papers

5,770
citations

81900

39
h-index

138484

58
g-index

244
all docs

244
docs citations

244
times ranked

5261
citing authors

#	ARTICLE	IF	CITATIONS
1	Screening for antimicrobial activity of crude drug extracts and pure natural products from Mexican medicinal plants. <i>Journal of Ethnopharmacology</i> , 1992, 35, 275-283.	4.1	176
2	Acute toxicity and mutagenic activity of Mexican plants used in traditional medicine. <i>Journal of Ethnopharmacology</i> , 2007, 110, 334-342.	4.1	158
3	Antioxidant S-allylcysteine prevents gentamicin-induced oxidative stress and renal damage. <i>Free Radical Biology and Medicine</i> , 2003, 35, 317-324.	2.9	150
4	ROS scavenging capacity and neuroprotective effect of $\hat{\pm}$ -mangostin against 3-nitropropionic acid in cerebellar granule neurons. <i>Experimental and Toxicologic Pathology</i> , 2009, 61, 491-501.	2.1	109
5	Tricolorin A, Major Phytogrowth Inhibitor from <i>Ipomoea tricolor</i> . <i>Journal of Natural Products</i> , 1993, 56, 571-582.	3.0	103
6	Conformational Behavior and Absolute Stereostructure of Two Phytotoxic Nonenolides from the Fungus <i>Phoma herbarum</i> . <i>Tetrahedron</i> , 2000, 56, 5337-5344.	1.9	99
7	$\hat{\pm}$ -Glucosidase Inhibitors from <i>Brickellia cavanillesii</i> . <i>Journal of Natural Products</i> , 2012, 75, 968-974.	3.0	98
8	Mexican Antidiabetic Herbs: Valuable Sources of Inhibitors of $\hat{\pm}$ -Glucosidases. <i>Journal of Natural Products</i> , 2013, 76, 468-483.	3.0	95
9	A New Phytotoxic Nonenolide from <i>Phoma herbarum</i> . <i>Journal of Natural Products</i> , 2003, 66, 511-514.	3.0	88
10	Antioxidant Activity of A-Type Proanthocyanidins from <i>Geranium niveum</i> (Geraniaceae). <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1996-2001.	5.2	86
11	Malbrancheamide, a new calmodulin inhibitor from the fungus <i>Malbranchea aurantiaca</i> . <i>Tetrahedron</i> , 2006, 62, 1817-1822.	1.9	84
12	(<i>Z</i>)-3-Butylideneephthalide from <i>Ligusticum porteri</i> , an $\hat{\pm}$ -Glucosidase Inhibitor. <i>Journal of Natural Products</i> , 2011, 74, 314-320.	3.0	80
13	Antimycobacterial Compounds from <i>Pipersanctum</i> . <i>Journal of Natural Products</i> , 2004, 67, 1961-1968.	3.0	77
14	Spasmolytic Effects, Mode of Action, and Structure-Activity Relationships of Stilbenoids from <i>Nidema boothii</i> . <i>Journal of Natural Products</i> , 2004, 67, 160-167.	3.0	72
15	Geranins A and B, New Antiprotozoal A-Type Proanthocyanidins from <i>Geranium niveum</i> . <i>Journal of Natural Products</i> , 1999, 62, 705-709.	3.0	65
16	$\hat{\pm}$ -Glucosidase Inhibitors from <i>Salvia circinata</i> . <i>Journal of Natural Products</i> , 2017, 80, 1584-1593.	3.0	64
17	Allelopathic potential of compounds isolated from <i>Ipomoea tricolor</i> cav. (Convolvulaceae). <i>Journal of Chemical Ecology</i> , 1990, 16, 2145-2152.	1.8	59
18	Smooth Muscle Relaxing Compounds from <i>Dodonaea viscosa</i> . <i>Planta Medica</i> , 1996, 62, 154-159.	1.3	58

#	ARTICLE	IF	CITATIONS
19	Smooth Muscle Relaxing Flavonoids and Terpenoids from <i>Conyza filaginoides</i> *. <i>Planta Medica</i> , 1997, 63, 31-35.	1.3	58
20	Bioactive Compounds from <i>Celaenodendron mexicanum</i> . <i>Planta Medica</i> , 2000, 66, 463-468.	1.3	56
21	The natural xanthone $\hat{\pm}$ -mangostin reduces oxidative damage in rat brain tissue. <i>Nutritional Neuroscience</i> , 2009, 12, 35-42.	3.1	55
22	Phytotoxic Activity of Bibenzyl Derivatives from the Orchid <i>Epidendrum rigidum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6276-6280.	5.2	53
23	Antinociceptive and anti-inflammatory effects of compounds isolated from <i>Scaphyglottis livida</i> and <i>Maxillaria densa</i> . <i>Journal of Ethnopharmacology</i> , 2007, 114, 161-168.	4.1	52
24	Hypoglycemic, antihyperglycemic, and antioxidant effects of the edible plant <i>Anoda cristata</i> . <i>Journal of Ethnopharmacology</i> , 2015, 161, 36-45.	4.1	52
25	Antifeedant activities of terpenoids isolated from tropical Rutales. <i>Journal of Stored Products Research</i> , 2007, 43, 92-96.	2.6	50
26	Phytotoxic compounds from <i>Esenbeckia yaxhoob</i> fn2 fn2Taken in part from the MS theses of M. MacÃas and S. Rojas. fn3 fn3Dedicated to Professor Neil Towers on the occasion of his 75th birthday.. <i>Phytochemistry</i> , 1998, 49, 441-449.	2.9	48
27	Nitric Oxide/cGMP Mediates the Spasmolytic Action of 3,4- $\hat{\epsilon}$ -Dihydroxy-5,5- $\hat{\epsilon}$ -dimethoxybibenzyl from <i>Scaphyglottis livida</i> . <i>Planta Medica</i> , 1999, 65, 109-114.	1.3	48
28	Antiprotozoal Activity of the Constituents of <i>Conyza filaginoides</i> 1. <i>Journal of Natural Products</i> , 2001, 64, 671-673.	3.0	47
29	$\hat{\pm}$ -Glucosidase Inhibitors from a <i>Xylaria feejeensis</i> <i> Associated with <i>Hintonia latiflora</i> </i>. <i>Journal of Natural Products</i> , 2015, 78, 730-735.	3.0	47
30	Screening of Mexican Medicinal Plants for Antiprotozoal Activity. <i>Pharmaceutical Biology</i> , 1998, 36, 305-309.	2.9	46
31	Antimycobacterial agents from selected Mexican medicinal plants. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 1117-1126.	2.4	46
32	Chemical Composition and Antimicrobial and Spasmolytic Properties of <i>Poliomintha longiflora</i> </i> and <i>Lippia graveolens</i> </i> Essential Oils**. <i>Journal of Food Science</i> , 2011, 76, C309-17.	3.1	46
33	Allelochemicals from <i>Stauranthus perforatus</i> , a Rutaceous tree of the Yucatan Peninsula, Mexico. <i>Phytochemistry</i> , 2005, 66, 487-494.	2.9	44
34	Natural products with calmodulin inhibitor properties. <i>Phytochemistry</i> , 2007, 68, 1882-1903.	2.9	44
35	Limonoids from <i>Swietenia humilis</i> and <i>Guarea grandiflora</i> (Meliaceae)Taken in part from the PhD and MS theses of C. Villarreal and M. A. JimÃ©nez, respectively.. <i>Phytochemistry</i> , 1998, 49, 1981-1988.	2.9	43
36	Constituents, biological activities and quality control parameters of the crude extract and essential oil from <i>Arracacia tolocensis</i> var. <i>multifida</i> . <i>Journal of Ethnopharmacology</i> , 2007, 113, 125-131.	4.1	43

#	ARTICLE	IF	CITATIONS
37	New Phenanthrene Derivatives from <i>Maxillaria densa</i> . <i>Journal of Natural Products</i> , 1999, 62, 1175-1178.	3.0	42
38	Jimenezin, a Novel Annonaceous Acetogenin from the Seeds of <i>Rollinia mucosa</i> Containing Adjacent Tetrahydrofuran-Tetrahydropyran Ring Systems. <i>Journal of Natural Products</i> , 1998, 61, 419-421.	3.0	41
39	Phytotoxic compounds from <i>Flourensia cernua</i> . <i>Phytochemistry</i> , 2003, 64, 285-291.	2.9	41
40	Thielavins A, J and K: \pm -Glucosidase inhibitors from MEXU 27095, an endophytic fungus from <i>Hintonia latiflora</i> . <i>Phytochemistry</i> , 2013, 94, 198-205.	2.9	41
41	New Tetranortriterpenoids from <i>Swietenia humilis</i> . <i>Journal of Natural Products</i> , 1993, 56, 1567-1574.	3.0	39
42	Phytogrowth-Inhibitory and Antifungal Constituents of <i>Helianthella quinquenervis</i> . <i>Journal of Natural Products</i> , 1996, 59, 323-326.	3.0	39
43	Tryptamine Derived Amides and Acetogenins from the Seeds of <i>Rollinia mucosa</i> . <i>Journal of Natural Products</i> , 1999, 62, 1119-1122.	3.0	39
44	Effect of Lichen Metabolites on Thylakoid Electron Transport and Photophosphorylation in Isolated Spinach Chloroplasts. <i>Journal of Natural Products</i> , 2000, 63, 1396-1399.	3.0	39
45	Phytotoxic Compounds from the New Coprophilous Fungus <i>Guanomyces polythrix</i> . <i>Journal of Natural Products</i> , 2000, 63, 757-761.	3.0	39
46	Hypoglycemic properties of some preparations and compounds from <i>Artemisia ludoviciana</i> Nutt. <i>Journal of Ethnopharmacology</i> , 2014, 155, 416-425.	4.1	39
47	Antinociceptive activity of the essential oil from <i>Artemisia ludoviciana</i> . <i>Journal of Ethnopharmacology</i> , 2016, 179, 403-411.	4.1	39
48	Pinocembrine: A bioactive flavanone from <i>Teloxys graveolens</i> . <i>Journal of Ethnopharmacology</i> , 1991, 31, 383-389.	4.1	38
49	Antihyperglycemic Effect of Constituents from <i>Hintonia standleyana</i> in Streptozotocin-Induced Diabetic Rats. <i>Planta Medica</i> , 2005, 71, 1099-1105.	1.3	38
50	Antidiabetic properties of selected Mexican copalchis of the Rubiaceae family. <i>Phytochemistry</i> , 2007, 68, 2087-2095.	2.9	38
51	Flavonoids and terpenoids of <i>Chenopodium graveolens</i> . <i>Phytochemistry</i> , 1986, 26, 191-193.	2.9	36
52	Chemical Studies on Mexican Plants Used in Traditional Medicine, VI. Additional New 4-Phenylcoumarins from <i>Exostema caribaeum</i> . <i>Journal of Natural Products</i> , 1988, 51, 851-856.	3.0	36
53	Phytotoxic naphthopyranone derivatives from the coprophilous fungus <i>Guanomyces polythrix</i> . <i>Phytochemistry</i> , 2001, 58, 751-758.	2.9	36
54	Secondary metabolites from <i>Hintonia latiflora</i> . <i>Phytochemistry</i> , 1990, 29, 2037-2040.	2.9	35

#	ARTICLE	IF	CITATIONS
55	Geranins C and D, Additional New Antiprotozoal A-Type Proanthocyanidins from <i>Geranium niveum</i> L. <i>Planta Medica</i> , 2001, 67, 677-680.	1.3	35
56	Î±-Glucosidase Inhibitors from <i>Vauquelinia corymbosa</i> . <i>Molecules</i> , 2015, 20, 15330-15342.	3.8	34
57	Hypoglycemic and antihyperglycemic effects of phytopreparations and limonoids from <i>Swietenia humilis</i> . <i>Phytochemistry</i> , 2015, 110, 111-119.	2.9	34
58	Sesquiterpene lactones of <i>Artemisia mexicana</i> var. <i>angustifolia</i> . <i>Phytochemistry</i> , 1984, 23, 1665-1668.	2.9	33
59	Structure, Conformation and Absolute Configuration of New Antifeedant Dolabellanes from <i>Trichilia trifolia</i> . <i>Tetrahedron</i> , 2000, 56, 5085-5091.	1.9	33
60	Malbrancheamide B, a novel compound from the fungus <i>Malbranchea aurantiaca</i> 1. <i>Natural Product Research</i> , 2008, 22, 709-714.	1.8	33
61	Calmodulin inhibitors from the fungus <i>Emericella</i> sp.. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 2167-2174.	3.0	33
62	Spasmolytic potential of some plants used in Mexican traditional medicine for the treatment of gastrointestinal disorders. <i>Phytomedicine</i> , 1995, 2, 51-55.	5.3	32
63	New Phenylethanoids from <i>Buddleja cordata</i> subsp. <i>cordata</i> . <i>Planta Medica</i> , 2000, 66, 257-261.	1.3	32
64	Allelochemical Potential of <i>Callicarpa acuminata</i> . <i>Journal of Chemical Ecology</i> , 2003, 29, 2761-2776.	1.8	32
65	Effects of some compounds isolated from <i>Celaenodendron mexicanum</i> Standl (Euphorbiaceae) on seeds and phytopathogenic fungi. <i>Journal of Chemical Ecology</i> , 1992, 18, 1025-1037.	1.8	31
66	Biological and Mechanistic Activities of Xanthorrhizol and 4-(1 α ,5 α -Dimethylhex-4-enyl)-2-methylphenol Isolated from <i>Lostephane heterophylla</i> 1. <i>Journal of Natural Products</i> , 2001, 64, 911-914.	3.0	31
67	Hypoglycemic Activity of Extracts and Compounds from the Leaves of <i>Hintonia standleyana</i> and <i>H. latiflora</i> : Potential Alternatives to the Use of the Stem Bark of These Species,. <i>Journal of Natural Products</i> , 2009, 72, 408-413.	3.0	31
68	Chemical Studies on Mexican Plants Used in Traditional Medicine, XVIII. New Secondary Metabolites from <i>Dodonaea viscosa</i> . <i>Journal of Natural Products</i> , 1991, 54, 913-917.	3.0	30
69	Long-chain phenols from the bark of <i>Amphipterygium adstringens</i> . <i>Journal of Ethnopharmacology</i> , 1991, 34, 147-154.	4.1	30
70	Biochemically active sesquiterpene lactones from <i>Ratibida mexicana</i> . <i>Phytochemistry</i> , 1995, 40, 419-425.	2.9	30
71	Qualitative and Quantitative Analysis of the Active Components of the Essential Oil from <i>Brickellia veronicaefolia</i> by Nuclear Magnetic Resonance Spectroscopy#. <i>Journal of Natural Products</i> , 2006, 69, 1172-1176.	3.0	30
72	Mycophenolic acid as a corrosion inhibitor of carbon steel in 3% wt. NaCl solution. An experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2019, 1183, 168-181.	3.6	29

#	ARTICLE	IF	CITATIONS
73	Chemical Studies on Mexican Plants Used in Traditional Medicine, III: New 4-Phenylcoumarins from <i>Exostema caribaeum</i> . <i>Journal of Natural Products</i> , 1987, 50, 866-871.	3.0	28
74	Chemical Studies on Mexican Plants Used in Traditional Medicine, XV. Sesquiterpene Evoninoate Alkaloids from <i>Hippocratea excelsa</i> . <i>Journal of Natural Products</i> , 1990, 53, 1212-1219.	3.0	28
75	Chemical Studies on Mexican Plants Used in Traditional Medicine, II: Cucurbitacins from <i>Hintonia latiflora</i> . <i>Journal of Natural Products</i> , 1987, 50, 315-316.	3.0	27
76	Insecticidal Limonoids from <i>Swietenia humilis</i> and <i>Cedrela salvadorensis</i> . <i>Journal of Chemical Ecology</i> , 1997, 23, 1225-1234.	1.8	27
77	Effect of Selected Coumarins on Spinach Chloroplast Photosynthesis. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 2137-2140.	5.2	27
78	Spasmolytic stilbenoids from <i>Maxillaria densa</i> . <i>F&A-toterap</i> , 2004, 75, 690-695.	2.2	27
79	Antinociceptive effect of extracts and compounds from <i>Hofmeisteria schaffneri</i> . <i>Journal of Ethnopharmacology</i> , 2010, 131, 425-432.	4.1	27
80	Tetrahydroisoquinoline alkaloids of the Mexican columnar cactus <i>Pachycereus Weberi</i> . <i>Phytochemistry</i> , 1980, 19, 673-678.	2.9	26
81	Vasoactive effects of aqueous extracts from five Mexican medicinal plants on isolated rat aorta. <i>Journal of Ethnopharmacology</i> , 1995, 46, 63-69.	4.1	26
82	Antimicrobial and cytotoxic activities of some crude drug extracts from Mexican medicinal plants. <i>Phytomedicine</i> , 1996, 2, 341-347.	5.3	26
83	Phytotoxins from the fungus <i>Malbranchea aurantiaca</i> . <i>Phytochemistry</i> , 2005, 66, 1012-1016.	2.9	26
84	Sesquiterpene lactones of <i>artemisia klotzchiana</i> . <i>Phytochemistry</i> , 1985, 24, 1515-1519.	2.9	25
85	Effect of natural and synthetic benzyl benzoates on calmodulin. <i>Phytochemistry</i> , 2007, 68, 1147-1155.	2.9	25
86	(+)-Ascosalitoxin and Vermelhotin, a Calmodulin Inhibitor, from an Endophytic Fungus Isolated from <i>Hintonia latiflora</i> . <i>Journal of Natural Products</i> , 2012, 75, 1571-1577.	3.0	25
87	The effects of chrysin and pinostrobin, two flavonoids isolated from <i>Teloxys graveolens</i> leaves, on isolated guinea-pig ileum. <i>Phytomedicine</i> , 1998, 5, 459-463.	5.3	24
88	Chemical composition, potential toxicity, and quality control procedures of the crude drug of <i>Cyrtopodium macrobulbon</i> . <i>Journal of Ethnopharmacology</i> , 2014, 154, 790-797.	4.1	24
89	β -Glucosidase Inhibitors from <i>Preussia minimoides</i> . <i>Journal of Natural Products</i> , 2017, 80, 582-587.	3.0	23
90	A phenylstyrene from <i>Hintonia latiflora</i> . <i>Phytochemistry</i> , 1992, 31, 3199-3201.	2.9	22

#	ARTICLE	IF	CITATIONS
91	An alternative assay to discover potential calmodulin inhibitors using a human fluorophore-labeled CaM protein. <i>Analytical Biochemistry</i> , 2009, 387, 64-70.	2.4	22
92	Development of the Fluorescent Biosensor <i>hCaM</i> L39C-monomobimane (<i>mBB</i>)/V91C-mBB, a Novel Tool for Discovering New Calmodulin Inhibitors and Detecting Calcium. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 3875-3884.	6.4	22
93	Fluorescence, circular dichroism, NMR, and docking studies of the interaction of the alkaloid malbrancheamide with calmodulin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 378-385.	5.2	22
94	Gastroprotective effect of <i>Hintonia latiflora</i> and <i>Hintonia standleyana</i> aqueous extracts and compounds. <i>Journal of Ethnopharmacology</i> , 2013, 145, 530-535.	4.1	22
95	Phytotoxic Compounds from <i>Prinosciadium watsoni</i> 1. <i>Journal of Natural Products</i> , 2002, 65, 828-834.	3.0	21
96	Effect of Selected Phytotoxins from <i>Guanomyces polythrix</i> on the Calmodulin-Dependent Activity of the Enzymes cAMP Phosphodiesterase and NAD-Kinase. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 4559-4562.	5.2	21
97	Phytotoxic activity and conformational analysis of thymol analogs from <i>Hofmeisteria schaffneri</i> †. <i>Phytochemistry</i> , 2008, 69, 1339-1347.	2.9	21
98	Phytotoxic Eremophilane Sesquiterpenes from the Coprophilous Fungus <i>Penicillium</i> sp. G1-a14. <i>Journal of Natural Products</i> , 2015, 78, 339-342.	3.0	21
99	Chemotaxonomy of Columnar Mexican Cacti by Mass Spectrometry/Mass Spectrometry. <i>Journal of Natural Products</i> , 1980, 43, 288-293.	3.0	20
100	Sesquiterpene lactones from <i>Viguiera hypargyrea</i> . <i>Phytochemistry</i> , 1985, 24, 2973-2976.	2.9	20
101	Alkylarnacardic Acids from <i>Amphypterygium adstringens</i> 1. <i>Planta Medica</i> , 1989, 55, 579-579.	1.3	20
102	Purpurediolin and Purpurenin, Two New Cytotoxic Adjacent Bis-tetrahydrofuran Annonaceous Acetogenins from the Seeds of <i>Annona purpurea</i> . <i>Journal of Natural Products</i> , 1998, 61, 580-584.	3.0	20
103	Phytotoxins from <i>Hofmeisteria schaffneri</i> : Isolation and Synthesis of 2-(2-(4-Hydroxy-4-methylphenyl)-2-oxoethyl) Acetate 1. <i>Journal of Natural Products</i> , 2005, 68, 959-962.	3.0	20
104	Antinociceptive, hypoglycemic and spasmolytic effects of <i>Brickellia veronicifolia</i> . <i>Journal of Ethnopharmacology</i> , 2008, 118, 448-454.	4.1	20
105	Alkaloids from the Fungus <i>Penicillium spathulatum</i> as β -Glucosidase Inhibitors. <i>Planta Medica</i> , 2016, 82, 1286-1294.	1.3	20
106	β -Glucosidase Inhibitors from <i>Malbranchea flavorosea</i> . <i>Journal of Natural Products</i> , 2017, 80, 190-195.	3.0	20
107	Chemical Studies on Mexican Plants Used in Traditional Medicine, V. Cucurbitacin Glucosides from <i>Cigarilla mexicana</i> . <i>Journal of Natural Products</i> , 1988, 51, 836-839.	3.0	19
108	Separation and characterization of <i>Metopium brownei</i> urushiol components. <i>Phytochemistry</i> , 1997, 45, 1003-1008.	2.9	19

#	ARTICLE	IF	CITATIONS
109	Annonaceous acetogenins: Naturally occurring inhibitors of ATP synthesis and photosystem II in spinach chloroplasts. <i>Physiologia Plantarum</i> , 2001, 111, 262-268.	5.2	19
110	Uncoupling Behavior of the 4-Phenylcoumarins in Spinach Chloroplasts: Structure-Activity Relationships. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 2966-2969.	5.2	18
111	Endothelium-independent relaxation of aorta rings by two stilbenoids from the orchids <i>Scaphyglottis livida</i> . <i>Fytoterapia</i> , 2006, 77, 236-239.	2.2	18
112	Phenological and geographical influence in the concentration of selected bioactive 4-phenylcoumarins and chlorogenic acid in <i>Hintonia latiflora</i> leaves. <i>Journal of Ethnopharmacology</i> , 2014, 152, 308-313.	4.1	18
113	Chemistry and Biology of Selected Mexican Medicinal Plants. <i>Progress in the Chemistry of Organic Natural Products</i> , 2019, 108, 1-142.	1.1	18
114	±-Glucosidase and Protein Tyrosine Phosphatase 1B Inhibitors from <i>Malbranchea circinata</i> . <i>Journal of Natural Products</i> , 2020, 83, 675-683.	3.0	18
115	Cytotoxic Constituents of <i>Exostema mexicanum</i> . <i>Planta Medica</i> , 1990, 56, 241-241.	1.3	17
116	Friedelanes and Triterpenoid Quinone Methides from <i>Hippocratea excelsa</i> . <i>Planta Medica</i> , 1991, 57, 194-195.	1.3	17
117	Interference of the Natural Product 7-Oxo-7-deacetoxygedunin with CF ₀ of H ⁺ -ATPase of Spinach Chloroplasts. <i>Pesticide Biochemistry and Physiology</i> , 1999, 63, 139-149.	3.6	17
118	Sesquiterpene Lactones and Phenylpropanoids from <i>Cosmos pringlei</i> . <i>Journal of Natural Products</i> , 2002, 65, 1030-1032.	3.0	17
119	Phytotoxicity and ultrastructural effects of gymnopusin from the orchid <i>Maxillaria densa</i> on duckweed (<i>Lemna paucicostata</i>) frond and root tissues. <i>Phytochemistry</i> , 2002, 61, 141-148.	2.9	17
120	Calmodulin inhibitory activity of the malbrancheamides and various analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 6479-6481.	2.2	17
121	Antimicrobial activity and chemical composition of the essential oil of <i>Hofmeisteria schaffneri</i> . <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 579-586.	2.4	17
122	Metabolites from the entophytic fungus <i>Sporormiella minimoides</i> isolated from <i>Hintonia latiflora</i> . <i>Phytochemistry</i> , 2013, 96, 273-278.	2.9	17
123	Gastroprotective effect of diligustilide isolated from roots of <i>Ligusticum porteri</i> Coulter & Rose (Apiaceae) on ethanol-induced lesions in rats. <i>Journal of Ethnopharmacology</i> , 2015, 174, 403-409.	4.1	17
124	5-O-β-D-galactopyranosyl-7-methoxy-3,4-dihydroxy-4-phenylcoumarin, an inhibitor of photophosphorylation in spinach chloroplasts. <i>Photosynthesis Research</i> , 1995, 45, 105-110.	2.9	16
125	Phytogrowth-Inhibitory Compounds from <i>Malmea depressa</i> . <i>Journal of Natural Products</i> , 1996, 59, 202-204.	3.0	16
126	Impairment of Photosystem II Donor Side by the Natural Product Odoratol. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 5313-5317.	5.2	16

#	ARTICLE	IF	CITATIONS
127	Purpuracenin: a new cytotoxic adjacent bis-tetrahydrofuran annonaceous acetogenin from the seeds of <i>Annona purpurea</i> Part 36 in the series 'Chemical Studies on Mexican Plants Used in Traditional Medicine'. For part 35 see (Chávez & Mata, 1998). Taken in part from the Ph.D. thesis of Daniel Chávez. <i>Phytochemistry</i> , 1999, 50, 823-828.	2.9	16
128	New Triterpenoids from the Orchids <i>Scaphyglottis livida</i> and <i>Nidema boothii</i> . <i>Natural Product Research</i> , 2002, 16, 81-86.	0.4	16
129	Antinociceptive activity of 3-O-β-D-glucopyranosyl-23,24-dihydrocucurbitacin F from <i>Hintonia standleyana</i> (Rubiaceae). <i>Pharmacology Biochemistry and Behavior</i> , 2006, 83, 342-348.	2.9	16
130	Synthesis, biological evaluation, and docking studies of gigantol analogs as calmodulin inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2699-2708.	5.5	16
131	Antinociceptive pharmacological profile of <i>Dysphania graveolens</i> in mouse. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 933-938.	5.6	16
132	Molecules Isolated from Mexican Hypoglycemic Plants: A Review. <i>Molecules</i> , 2020, 25, 4145.	3.8	16
133	Flavonoids and Terpenoids with PTP-1B Inhibitory Properties from the Infusion of <i>Salvia amarissima</i> Ortega. <i>Molecules</i> , 2020, 25, 3530.	3.8	16
134	Calmodulin Inhibitors from <i>Leucophyllum ambiguum</i> . <i>Journal of Natural Products</i> , 2003, 66, 221-224.	3.0	15
135	Absolute Configuration of Acremoxanthone C, a Potent Calmodulin Inhibitor from <i>Purpureocillium lilacinum</i> . <i>Journal of Natural Products</i> , 2013, 76, 1454-1460.	3.0	15
136	Antinociceptive activity of <i>Ligusticum porteri</i> preparations and compounds. <i>Pharmaceutical Biology</i> , 2014, 52, 14-20.	2.9	15
137	Calmodulin Inhibitors from Natural Sources: An Update. <i>Journal of Natural Products</i> , 2015, 78, 576-586.	3.0	15
138	Gedunin, ad-seco limonoid. <i>Journal of Chemical Crystallography</i> , 1996, 26, 707-711.	1.1	14
139	Effect of enecalinal, euparin and demethylencecalinal on thylakoid electron transport and photophosphorylation in isolated spinach chloroplasts. <i>Journal of the Science of Food and Agriculture</i> , 1998, 78, 102-108.	3.5	14
140	Anti-Hyperglycemic Activity of Major Compounds from <i>Calea ternifolia</i> . <i>Molecules</i> , 2017, 22, 289.	3.8	14
141	Protein tyrosine phosphatase 1B inhibitors from the fungus <i>Malbranchea albolutea</i> . <i>Phytochemistry</i> , 2021, 184, 112664.	2.9	14
142	The Latin American ICBG: The First Five Years. <i>Pharmaceutical Biology</i> , 1999, 37, 35-54.	2.9	14
143	Cedrelanolide I, a new limonoid from <i>Cedrela salvadorensis</i> . <i>Tetrahedron Letters</i> , 1994, 35, 3427-3440.	1.4	13
144	Botanicals from the Piperaceae and Meliaceae of the American Neotropics: <i>Phytochemistry</i> . ACS Symposium Series, 1997, , 49-57.	0.5	13

#	ARTICLE	IF	CITATIONS
145	HPLC Determination of the Major Active Flavonoids and GC-MS Analysis of Volatile Components of <i>Dysphania graveolens</i> (Amaranthaceae). <i>Phytochemical Analysis</i> , 2013, 24, 248-254.	2.4	13
146	Chemical Studies on Mexican Plants Used in Traditional Medicine, XXI. Ratibinolide II, a New Sesquiterpene Lactone from <i>Ratibida latipalearis</i> . <i>Journal of Natural Products</i> , 1991, 54, 1279-1282.	3.0	12
147	Secondary Metabolites from the Stem Bark of <i>Celaenodendron mexicanum</i> . <i>Journal of Natural Products</i> , 1993, 56, 1575-1579.	3.0	12
148	Allelochemical Potential of <i>Metopium brownei</i> . <i>Journal of Chemical Ecology</i> , 1999, 25, 141-156.	1.8	12
149	¹³ C NMR Analysis of some simple tetrahydroisoquinolines. <i>Phytochemistry</i> , 1983, 22, 1263-1270.	2.9	11
150	Triterpenes from <i>Cigarrilla mexicana</i> . <i>Phytochemistry</i> , 1988, 27, 1887-1889.	2.9	11
151	Hippocrateine III, a sesquiterpene alkaloid from <i>Hippocratea excelsa</i> . <i>Phytochemistry</i> , 1995, 40, 583-585.	2.9	11
152	Smooth Muscle Relaxant Action of Benzyl Benzoates and Salicylic Acid Derivatives from <i>Brickellia veronicaefolia</i> Isolated Guinea-Pig Ileum. <i>Planta Medica</i> , 2005, 71, 320-325.	1.3	11
153	Development of a UHPLC-PDA Method for the Simultaneous Quantification of 4-Phenylcoumarins and Chlorogenic Acid in <i>Exostema caribaeum</i> Stem Bark. <i>Journal of Natural Products</i> , 2014, 77, 516-520.	3.0	11
154	Insights into molecular interactions between CaM and its inhibitors from molecular dynamics simulations and experimental data. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 78-91.	3.5	11
155	Perezone as corrosion inhibitor for AISI 1018 steel immersed in NaCl saturated with CO ₂ . <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1687-1697.	2.5	11
156	Antidiabetic and Antihyperalgesic Effects of a Decoction and Compounds from <i>Acourtia thurberi</i> . <i>Planta Medica</i> , 2017, 83, 534-544.	1.3	11
157	Multi-target antidiabetic mechanisms of mexicanolides from <i>Swietenia humilis</i> . <i>Phytomedicine</i> , 2019, 58, 152891.	5.3	11
158	Quantitative HPLC Method for Determining Two of the Major Active Phthalides from <i>Ligusticum porteri</i> Roots. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 84-91.	1.5	10
159	Antihyperalgesic activity of a mexicanolide isolated from <i>Swietenia humilis</i> extract in nicotinamide-streptozotocin hyperglycemic mice. <i>Biomedicine and Pharmacotherapy</i> , 2017, 92, 324-330.	5.6	10
160	Insights in Fungal Bioprospecting in Mexico. <i>Planta Medica</i> , 2018, 84, 594-605.	1.3	10
161	Additional β -glucosidase inhibitors from <i>Malbranchea flavorosea</i> (Leotiomyces, Ascomycota). <i>Journal of Antibiotics</i> , 2018, 71, 862-871.	2.0	10
162	β -Glucosidase Inhibitors from <i>Ageratina grandifolia</i> . <i>Journal of Natural Products</i> , 2021, 84, 1573-1578.	3.0	10

#	ARTICLE	IF	CITATIONS
163	A retrochalcone from <i>Anredera scandens</i> . <i>Phytochemistry</i> , 1990, 29, 2737-2738.	2.9	9
164	A dammarane from <i>Stevia salicifolia</i> . <i>Phytochemistry</i> , 1991, 30, 3822-3823.	2.9	9
165	Stevalioside A, a Novel Bitter-Tasting ent-Atisene Glycoside from the Roots of <i>Stevia salicifolia</i> . <i>Journal of Natural Products</i> , 1992, 55, 660-666.	3.0	9
166	Development and Validation of Liquid Chromatography Method for Quantification of the Active Markers of <i>Hintonia standleyana</i> . and <i>Hintonia latiflora</i> . <i>Crude Drugs. Pharmaceutical Biology</i> , 2008, 46, 105-110.	2.9	9
167	Calmodulin Inhibitors from <i>Aspergillus stromatoides</i> . <i>Chemistry and Biodiversity</i> , 2013, 10, 328-337.	2.1	9
168	Apoptotic activity of xanthoquinodin JBIR-99, from <i>Parengyodontium album</i> MEXU 30054, in PC-3 human prostate cancer cells. <i>Chemico-Biological Interactions</i> , 2019, 311, 108798.	4.0	9
169	(â€“) â€“ Epicatechin gallate as a corrosion inhibitor for bronze in a saline medium and theoretical study. <i>Journal of Molecular Structure</i> , 2021, 1227, 129416.	3.6	9
170	Insights on the vasorelaxant mode of action of malbrancheamide. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 551-558.	2.4	9
171	Ratibinolide, a New Sesquiterpene Lactone from <i>Ratibida latipalearis</i> . <i>Heterocycles</i> , 1990, 31, 1111.	0.7	9
172	Cactus Alkaloids XLII: 3,4-dimethoxy- $\hat{1}^2$ -phenethylamine and Heliamine from the Mexican Cereoid <i>Backebergia Militar</i> . <i>Journal of Pharmaceutical Sciences</i> , 1980, 69, 94-95.	3.3	8
173	$\hat{1}^{\pm}$ -Glucosidase and PTP-1B Inhibitors from <i>Malbranchea dendritica</i> . <i>ACS Omega</i> , 2021, 6, 22969-22981.	3.5	8
174	Contribution of fasting and postprandial glucose-lowering mechanisms to the acute hypoglycemic effect of traditionally used <i>Eryngium cymosum</i> F.Delaroche. <i>Journal of Ethnopharmacology</i> , 2021, 279, 114339.	4.1	8
175	Lemairin, A New Glucoside From the Mexican Cactus, <i>Pachycereus weberi</i> . <i>Journal of Natural Products</i> , 1980, 43, 411-413.	3.0	7
176	Cactus Alkaloids. <i>Planta Medica</i> , 1980, 38, 180-182.	1.3	7
177	Ratibinolide iii, a sesquiterpene lactone glucoside from <i>Ratibida latipalearis</i> . <i>Phytochemistry</i> , 1993, 34, 1079-1082.	2.9	7
178	Phytotoxic Compounds from <i>Xanthocephalum gymnospermoides</i> var. <i>eradiatum</i> 1. <i>Planta Medica</i> , 2000, 66, 734-739.	1.3	7
179	In vitro morphogenetic responses and comparative analysis of phthalides in the highly valued medicinal plant <i>Ligusticum porteri</i> Coulter & Rose. <i>Plant Growth Regulation</i> , 2012, 67, 107-119.	3.4	7
180	Mexican copalchis of the Rubiaceae family: more than a century of pharmacological and chemical investigations. <i>Phytochemistry Reviews</i> , 2019, 18, 1435-1455.	6.5	7

#	ARTICLE	IF	CITATIONS
181	Contractile response induced by a limonoid (humilinolide A) on spontaneous activity of isolated smooth muscle. , 1997, 11, 354-357.		6
182	Phytotoxic and Photosynthetic Activities of Maduramicin and Maduramicin Methyl Ester. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1999, 54, 325-332.	1.4	6
183	Importance of the interaction proteinâ€“protein of the CaMâ€“PDE1A and CaMâ€“MLCK complexes in the development of new antiâ€“CaM drugs. Journal of Molecular Recognition, 2013, 26, 165-174.	2.1	6
184	Quality control tests for the crude drug of <i>Conyza filaginoides</i> . Pharmaceutical Biology, 2014, 52, 117-123.	2.9	6
185	Antidiabetic <i>in vitro</i> and <i>in vivo</i> evaluation of cyclodipeptides isolated from <i>Pseudomonas fluorescens</i> IB-MR-66e. New Journal of Chemistry, 2019, 43, 7756-7762.	2.8	6
186	Antinociceptive Potential of <i>Zinnia grandiflora</i> . Journal of Natural Products, 2019, 82, 456-461.	3.0	6
187	Chemical Studies and Biological Aspects of Some Mexican Plants used in Traditional Medicine. , 1993, , 41-64.		6
188	Antinociceptive effect of selected Mexican traditional medicinal species. Proceedings of the Western Pharmacology Society, 2005, 48, 70-2.	0.1	6
189	Carbon-13 NMR spectra of some pseudoguaianolides. Magnetic Resonance in Chemistry, 1987, 25, 201-202.	1.9	5
190	Xanthyletin. Acta Crystallographica Section C: Crystal Structure Communications, 1995, 51, 2720-2722.	0.4	5
191	Interference of 1,2,3,4-Tetramethoxy-5-(2-propenyl)benzene with Photosynthetic Electron Transport. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1998, 53, 55-59.	1.4	5
192	Potent Anti-Calmodulin Activity of Cyclotetrapeptides Isolated from <i>Isaria fumosorosea</i> Using a Newly Designed Biosensor. Natural Product Communications, 2015, 10, 1934578X1501000.	0.5	5
193	Quantitative Analysis and Pharmacological Effects of <i>Artemisia ludoviciana</i> Aqueous Extract and Compounds. Natural Product Communications, 2017, 12, 1934578X1701201.	0.5	5
194	Terpenoids from <i>Viguiera latibracteata</i> and <i>Viguiera greggii</i> . Journal of Natural Products, 1986, 49, 1165-1166.	3.0	4
195	Biosensor for on-line fluorescent detection of trifluoroperazine based on genetically modified calmodulin. Analytical and Bioanalytical Chemistry, 2012, 402, 3211-3218.	3.7	4
196	<i>In Vivo</i> and <i>In Vitro</i> α -Glucosidase Inhibitory Activity of Perfoliatin a from <i>Melampodium Perfoliatum</i> . Natural Product Communications, 2019, 14, 1934578X1901400.	0.5	4
197	Pharmacological Analysis of the Anti-inflammatory and Antiallodynic Effects of Zinagrandinolide E from <i>Zinnia grandiflora</i> in Mice. Journal of Natural Products, 2021, 84, 713-723.	3.0	4
198	Antinociceptive Effect of an Aqueous Extract and Essential Oil from <i>Baccharis heterophylla</i> . Plants, 2021, 10, 116.	3.5	4

#	ARTICLE	IF	CITATIONS
199	Stereochemistry of the Ester Side Chain of the Germacranolides of <i>Viguiera hypargyrea</i> . <i>Journal of Natural Products</i> , 1987, 50, 273-276.	3.0	3
200	Structure of 4-(3,4-dihydroxyphenyl)-5-(O- β -D-galactopyranosyl)-7-methoxycoumarin trihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1993, 49, 329-330.	0.4	3
201	Antinociceptive and hypoglycaemic evaluation of <i>Conyza filaginoides</i> (D.C.) Hieron Asteraceae. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1733-1743.	2.4	3
202	Antinociceptive Activity of Compounds from the Aqueous Extract of <i>Melampodium divaricatum</i> . <i>Chemistry and Biodiversity</i> , 2021, 18, e2100369.	2.1	3
203	Spasmolytic Action of Preparations and Compounds from <i>Hofmeisteria schaffneri</i> . <i>Natural Product Communications</i> , 2017, 12, 475-476.	0.5	3
204	Structure of ratibinolide, a sesquiterpene lactone. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1990, 46, 1966-1968.	0.4	2
205	Humilinolide D. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1996, 52, 1527-1529.	0.4	2
206	A New Lanostane-Type Triterpenoid from <i>Chamaesyce prostrata</i> . <i>Planta Medica</i> , 1999, 65, 478-479.	1.3	2
207	Spasmolytic Action of Preparations and Compounds from <i>Hofmeisteria schaffneri</i> . <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	2
208	<i>Calea ternifolia</i> Kunth, the Mexican "œdream herb", a concise review. <i>Botany</i> , 2022, 100, 261-274.	1.0	2
209	Application of a Fluorescent Biosensor in Determining the Binding of 5-HT to Calmodulin. <i>Chemosensors</i> , 2021, 9, 250.	3.6	2
210	4-Phenylcoumarin (4-PC) Glucoside from <i>Exostema caribaeum</i> as Corrosion Inhibitor in 3% NaCl Saturated with CO ₂ in AISI 1018 Steel: Experimental and Theoretical Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3130.	4.1	2
211	Antidiabetic Sterols from <i>Peniocereus greggii</i> Roots. <i>ACS Omega</i> , 2022, 7, 13144-13154.	3.5	2
212	Sesquiterpene Evoninoate Alkaloids from <i>Hippocratea excelsa</i> . <i>Planta Medica</i> , 1990, 56, 517-517.	1.3	1
213	PHYTOTOXIC COMPOUNDS WITH CALMODULIN INHIBITOR PROPERTIES FROM SELECTED MEXICAN FUNGI AND PLANTS. , 2007, , 427-470.		1
214	Recent Advances in the Search of Novel Calmodulin Inhibitors from Selected Mexican Plants and Fungi. , 2011, , 451-496.		1
215	9S,11R-(+)-Ascosalitoxin from an endophytic fungus isolated from <i>Hintonia latiflora</i> . <i>Planta Medica</i> , 2012, 78, .	1.3	1
216	Cactus alkaloids. XXX. N-Methylated tyramines from <i>Trichocereus spachianus</i> . <i>T. candicans</i> , and <i>Espostoa huanucensis</i> . <i>Lloydia</i> , 1976, 39, 461-3.	0.7	1

#	ARTICLE	IF	CITATIONS
217	Mycophenolic Acid as Possible Corrosion Inhibitor in Chloride Medium. ECS Transactions, 2018, 84, 157-164.	0.5	0
218	Professor A. Douglas Kinghorn. A Lifetime Career Dedicated to Outstanding Service to Natural Product Sciences. Journal of Natural Products, 2021, 84, 549-552.	3.0	0
219	Evaluation of 3 α -Hydroximasticadienoic Acid as a Corrosion Inhibitor for Silver in Saline Environment. ECS Transactions, 2021, 101, 225-231.	0.5	0
220	Chemical composition of the essential oils of three Mexican oreganos species. Planta Medica, 2008, 74, .	1.3	0
221	Mexican copalchis (Rubiaceae): One hundred years of research of a medicinal plant complex. Planta Medica, 2008, 74, .	1.3	0
222	Calmodulin-inhibitor activity of tajixanthone analogues from the fungus Emericella sp strain 25379. Planta Medica, 2008, 74, .	1.3	0
223	Malbrancheamides B and C, novel alkaloids from the fungus Malbranchea aurantiaca. Planta Medica, 2008, 74, .	1.3	0
224	Quality control procedures for Dysphania graveolens: HPLC determination of the major flavonoids. Planta Medica, 2012, 78, .	1.3	0
225	In vitro morphogenetic responses and comparative analysis of phthalides in the highly valued medicinal plant Ligusticum porteri. Planta Medica, 2012, 78, .	1.3	0
226	Mexican antidiabetic herbs: A valuable source of alpha-glucosidase inhibitors. Planta Medica, 2012, 78, .	1.3	0