

# Maria Yolanda Rios

## List of Publications by Year in descending order

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108  
papers

1,901  
citations

257357

24  
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330025

37  
g-index

113  
all docs

113  
docs citations

113  
times ranked

2624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antidiabetic activity of some pentacyclic acid triterpenoids, role of PTP-1B: In vitro, in silico, and in vivo approaches. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2243-2251.	2.6	107
2	Antifungal activities of nine traditional Mexican medicinal plants. <i>Journal of Ethnopharmacology</i> , 2003, 87, 85-88.	2.0	103
3	Baeyer-Villiger oxidation of substituted cyclohexanones via lipase-mediated perhydrolysis utilizing urea-hydrogen peroxide in ethyl acetate. <i>Green Chemistry</i> , 2007, 9, 459-462.	4.6	64
4	Semisynthesis, ex vivo evaluation, and SAR studies of coumarin derivatives as potential antiasthmatic drugs. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 400-408.	2.6	63
5	Analgesic activity of affinin, an alkaloid from <i>Heliopsis longipes</i> (Compositae). <i>Journal of Ethnopharmacology</i> , 2007, 110, 364-367.	2.0	55
6	Antimycobacterial Activity of Constituents from <i>Foeniculum vulgare</i> Var. Dulce Grown in Mexico. <i>Molecules</i> , 2012, 17, 8471-8482.	1.7	51
7	Cytotoxic Activity of Moronic Acid and Identification of the New Triterpene 3,4-seco-Olean-18-ene-3,28-dioic Acid from <i>Phoradendron reichenbachianum</i> . <i>Planta Medica</i> , 2001, 67, 443-446.	0.7	50
8	Cytotoxic Isoflavans from <i>Eysenhardtia polystachya</i> . <i>Journal of Natural Products</i> , 1998, 61, 767-770.	1.5	47
9	Three New Sesquiterpenes from <i>Croton arboreus</i> . <i>Journal of Natural Products</i> , 2004, 67, 914-917.	1.5	46
10	Synthesis, vasorelaxant activity and antihypertensive effect of benzo[d]imidazole derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3985-3991.	1.4	45
11	Myo-inositol-Derived Glycolipids with Anti-inflammatory Activity from <i>Solanum lanceolatum</i> . <i>Journal of Natural Products</i> , 2005, 68, 1031-1036.	1.5	39
12	Vasorelaxant activity of some structurally related triterpenic acids from <i>Phoradendron reichenbachianum</i> (Viscaceae) mainly by NO production: Ex vivo and in silico studies. <i>FACS</i> , 2012, 83, 1023-1029.	1.1	39
13	Efficient Microwave Assisted Syntheses of 2,5-Diketopiperazines in Aqueous Media. <i>Molecules</i> , 2009, 14, 2836-2849.	1.7	38
14	Antinociceptive Effect of <i>Heliopsis longipes</i> Extract and Affinin in Mice. <i>Planta Medica</i> , 2010, 76, 665-670.	0.7	37
15	Antibacterial Activity of <i>Aristolochia brevipes</i> against Multidrug-Resistant <i>Mycobacterium tuberculosis</i> . <i>Molecules</i> , 2011, 16, 7357-7364.	1.7	35
16	Synthesis of oleanolic acid derivatives: In vitro, in vivo and in silico studies for PTP-1B inhibition. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 316-327.	2.6	35
17	Chemo-enzymatic Baeyer-Villiger oxidation of cyclopentanone and substituted cyclopentanones. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 54, 61-66.	1.8	34
18	Two New Benzofuranes from <i>Eupatorium aschenbornianum</i> and their Antimicrobial Activity. <i>Planta Medica</i> , 2003, 69, 967-970.	0.7	33

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19	Tyrianthnic Acids from <i>Ipomoea tyrianthina</i> and Their Antimycobacterial Activity, Cytotoxicity, and Effects on the Central Nervous System. <i>Journal of Natural Products</i> , 2008, 71, 1686-1691.	1.5	33
20	Linear and cyclic dipeptides with antimalarial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 7048-7051.	1.0	31
21	Active compounds against tinea pedis dermatophytes from <i>Ageratina pichinchensis</i> var. <i>bustamenta</i> . <i>Natural Product Research</i> , 2009, 23, 1559-1565.	1.0	28
22	Natural and Synthetic Alkamides. <i>Studies in Natural Products Chemistry</i> , 2014, 43, 79-121.	0.8	28
23	Antihyperglycemic and sub-chronic antidiabetic actions of morolic and moronic acids, in vitro and in silico inhibition of 11 $\beta$ -HSD 1. <i>Phytomedicine</i> , 2013, 20, 571-576.	2.3	27
24	Ursolic acid derivatives as potential antidiabetic agents: <i>In vitro</i> , <i>in vivo</i> , and <i>in silico</i> studies. <i>Drug Development Research</i> , 2018, 79, 70-80.	1.4	26
25	Sulfur-Containing Aristoloxazines and Other Constituents of the Roots of <i>Aristolochia orbicularis</i> . <i>Journal of Natural Products</i> , 2017, 80, 3112-3119.	1.5	25
26	Vasorelaxant mode of action of dichloromethane-soluble extract from <i>Agastache mexicana</i> and its main bioactive compounds. <i>Pharmaceutical Biology</i> , 2016, 54, 2807-2813.	1.3	24
27	Chemical reactivity of phthalides. Relay synthesis of diligustilide, Rel-(3 $\alpha$ )-8 $\alpha$ -dihydrodiligustilide and wallichilide. <i>Tetrahedron</i> , 1998, 54, 3355-3366.	1.0	23
28	Sterols, Triterpenes and Biflavonoids of <i>Viburnum jucundum</i> and Cytotoxic Activity of Ursolic Acid. <i>Planta Medica</i> , 2001, 67, 683-684.	0.7	23
29	Chemical constituents of the hemiparasitic plant <i>Phoradendron brachystachyum</i> DC Nutt (Viscaceae). <i>Natural Product Research</i> , 2013, 27, 130-136.	1.0	23
30	Polyprenols and acylphloroglucinols from <i>Esenbeckia nesiotica</i> . <i>Phytochemistry</i> , 1992, 31, 3491-3494.	1.4	22
31	Antimutagenic properties of affinin isolated from <i>Heliopsis longipes</i> extract. <i>Pharmaceutical Biology</i> , 2013, 51, 1035-1039.	1.3	20
32	Nitrogen-Containing Phorbol Esters from <i>Croton ciliatoglandulifer</i> and Their Effects on Cyclooxygenases-1 and -2. <i>Journal of Natural Products</i> , 2006, 69, 887-890.	1.5	19
33	<i>In vitro</i> and <i>in silico</i> PTP-1B inhibition and <i>in vivo</i> antidiabetic activity of semisynthetic moronic acid derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2018-2022.	1.0	19
34	Antinociceptive effect of natural and synthetic alkamides involves TRPV1 receptors. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 884-895.	1.2	19
35	Geranyl-N-Dimethylallylanthranilate, a New Compound from <i>Esenbeckia yaaxhokob</i> . <i>Planta Medica</i> , 2004, 70, 85-86.	0.7	18
36	Pharmacological and Toxicological Profile of Extract from <i>Heliopsis longipes</i> and Affinin. <i>Drug Development Research</i> , 2012, 73, 130-137.	1.4	18

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37	Evaluation of the neuroprotective activity of stansin 6, a resin glycoside from <i>Ipomoea stans</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3541-3545.	1.0	18
38	Synergistic antinociceptive interaction of <i>Syzygium aromaticum</i> or <i>Rosmarinus officinalis</i> coadministered with ketorolac in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 858-864.	2.5	18
39	Phthalides and Monoterpenes of the Hexane Extract of the Roots of <i>Ligusticum porteri</i> 1. <i>Planta Medica</i> , 1992, 58, 570-571.	0.7	17
40	Cytological and biochemical changes induced by chitosan in the pathosystem <i>Alternaria alternata</i> –tomato. <i>Pesticide Biochemistry and Physiology</i> , 2011, 99, 250-255.	1.6	17
41	Minor alkaloids from <i>Heliopsis longipes</i> S.F. Blake (Asteraceae) fresh roots. <i>Phytochemistry Letters</i> , 2011, 4, 275-279.	0.6	17
42	In vitro COX-1 and COX-2 enzyme inhibitory activities of iridoids from <i>Penstemon barbatus</i> , <i>Castilleja tenuiflora</i> , <i>Crescentia alata</i> and <i>Vitex mollis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4505-4508.	1.0	17
43	Microbial C-hydroxylation and $\beta$ -4-O-methylglucosidation of methyl-benzamide 7-azanorbornane ethers with <i>Beauveria bassiana</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 21, 97-105.	1.8	16
44	Iridoids from <i>Crescentia alata</i> . <i>Journal of Natural Products</i> , 2007, 70, 100-102.	1.5	16
45	Phytotoxic Potential of <i>Zanthoxylum affine</i> and Its Major Compound Linarin as a Possible Natural Herbicide. <i>ACS Omega</i> , 2018, 3, 14779-14787.	1.6	16
46	Terpenoids and Alkaloids from <i>Esenbeckia belizensis</i> . Spontaneous Oxidation of Furoquinoline Alkaloids. <i>Journal of Natural Products</i> , 1992, 55, 1307-1309.	1.5	14
47	Pentacyclic Triterpenes from <i>Cnidioscolus multilobus</i> 1. <i>Planta Medica</i> , 1994, 60, 389-390.	0.7	14
48	The Meinwald reaction of alkyl propionates. Synthesis of the C1–C9 fragment of aurisides. <i>Tetrahedron</i> , 2003, 59, 6531-6537.	1.0	14
49	Antimalarial Activity of Ultra-Short Peptides. <i>Molecules</i> , 2009, 14, 5103-5114.	1.7	14
50	Chemical compounds of a native <i>Jatropha curcas</i> seed oil from Mexico and their antifungal effect on <i>Fusarium oxysporum</i> f. sp. <i>gladioli</i> . <i>Industrial Crops and Products</i> , 2014, 62, 166-172.	2.5	14
51	Evaluation of the Fungicidal Activity of Leaves Powders and Extracts of Fifteen Mexican Plants Against <i>Fusarium oxysporum</i> f.sp. <i>gadioli</i> (Massey) Snyder and Hansen. <i>Plant Pathology Journal</i> , 2010, 9, 103-111.	0.7	13
52	Sedative, vasorelaxant, and cytotoxic effects of convolvulin from <i>Ipomoea tyrianthina</i> . <i>Journal of Ethnopharmacology</i> , 2011, 135, 434-439.	2.0	12
53	Antibacterial and cytotoxic activities of new sphingolipids and other constituents isolated from <i>Cissus incisa</i> leaves. <i>Heliyon</i> , 2020, 6, e04671.	1.4	12
54	Monoterpenes from <i>Chrysactinia mexicana</i> . <i>Phytochemistry</i> , 1991, 30, 3129-3131.	1.4	11

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55	Alkaloids, coumarins and sesquiterpenes from <i>Esenbeckia conspecta</i> Kunt (Rutaceae). <i>Biochemical Systematics and Ecology</i> , 2002, 30, 367-369.	0.6	11
56	Chemical constituents from <i>Flourensia resinosa</i> S.F. Blake (Asteraceae). <i>Biochemical Systematics and Ecology</i> , 2013, 51, 240-242.	0.6	11
57	Karwinaphthopyranones from the Fruits of <i>Karwinskia parvifolia</i> and Their Cytotoxic Activities. <i>Journal of Natural Products</i> , 2014, 77, 2404-2409.	1.5	11
58	<sup>1</sup> H and <sup>13</sup> C NMR data on natural and synthetic capsaicinoids. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 268-290.	1.1	11
59	Microscopic study of the morphology and metabolic activity of <i>Fusarium oxysporum</i> f. sp. <i>gladioli</i> treated with <i>Jatropha curcas</i> oil and derivatives. <i>Journal of Microscopy and Ultrastructure</i> , 2016, 4, 28.	0.1	11
60	<i>Hechtia glomerata</i> Zucc: Phytochemistry and Activity of Its Extracts and Major Constituents Against Resistant Bacteria. <i>Molecules</i> , 2019, 24, 3434.	1.7	11
61	<sup>1</sup> H and <sup>13</sup> C NMR data, occurrence, biosynthesis, and biological activity of <i>Piper</i> amides. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 994-1070.	1.1	11
62	Furoquinoline alkaloids, furocoumarins and terpenes from <i>Esenbeckia litoralis</i> (Rutaceae). <i>Biochemical Systematics and Ecology</i> , 2002, 30, 977-979.	0.6	9
63	<sup>1</sup> H and <sup>13</sup> C assignments of three new drimenes from <i>resine diffusa</i> Humb. & Bonpl. ex Willd.. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 339-342.	1.1	9
64	Terpenes, Coumarins, and Flavones from <i>Acacia pennatula</i> . <i>Chemistry of Natural Compounds</i> , 2005, 41, 297-298.	0.2	9
65	Antibacterial, Antifungal, and Cytotoxic Activities of <i>Distictis buccinatoria</i> .. <i>Pharmaceutical Biology</i> , 2007, 45, 289-294.	1.3	9
66	Cycloartanes from <i>Krameria pauciflora</i> and Their In Vitro PLA2, COX-1, and COX-2 Enzyme Inhibitory Activities. <i>Planta Medica</i> , 2012, 78, 1942-1948.	0.7	9
67	Flavonoids, Sterols and Lignans from <i>Cochlospermum vitifolium</i> and Their Relationship with Its Liver Activity. <i>Molecules</i> , 2018, 23, 1952.	1.7	9
68	Terpenes and a new bishomotriterpene from <i>Esenbeckia stephani</i> (Rutaceae). <i>Biochemical Systematics and Ecology</i> , 2002, 30, 1006-1008.	0.6	8
69	Bromohydrin reactions of Grieco's bicyclic lactone. <i>Tetrahedron Letters</i> , 2008, 49, 6853-6855.	0.7	8
70	Phytochemical Study and Anti-inflammatory, Antidiabetic and Free Radical Scavenger Evaluations of <i>Krameria pauciflora</i> Methanol Extract. <i>Molecules</i> , 2012, 17, 861-872.	1.7	8
71	Chemistry and Biology of the Genus <i>Flourensia</i> (Asteraceae). <i>Chemistry and Biodiversity</i> , 2015, 12, 1595-1634.	1.0	8
72	Furofuranone Lignans from <i>Leucophyllum ambiguum</i> . <i>Journal of Natural Products</i> , 2020, 83, 1424-1431.	1.5	8

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73	Glucacetalin E and galphimidin B from <i>Galphimia glauca</i> and their anxiolytic activity. <i>Journal of Ethnopharmacology</i> , 2020, 259, 112939.	2.0	8
74	Additional Terpenoids from <i>Chrysactina mexicana</i> . <i>Planta Medica</i> , 1993, 59, 482-482.	0.7	7
75	Furocoumarins, terpenes and sterols from <i>Esenbeckia ovata</i> Kunth (Rutaceae). <i>Biochemical Systematics and Ecology</i> , 2002, 30, 697-699.	0.6	7
76	Metabolic Profile and Evaluation of Biological Activities of Extracts from the Stems of <i>Cissus trifoliata</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 930.	1.8	7
77	Base-catalyzed intramolecular condensations of diligustilide. <i>Tetrahedron Letters</i> , 1998, 39, 6605-6608.	0.7	6
78	Chemical constituents and cytotoxic activity of <i>Smallanthus maculatus</i> . <i>Chemistry of Natural Compounds</i> , 2006, 42, 497-498.	0.2	6
79	Chemical composition of <i>Helietta parvifolia</i> and its <i>in vitro</i> anticholinesterase activity. <i>Natural Product Research</i> , 2019, 33, 889-892.	1.0	6
80	Dietary consumption and serum pattern of bioactive fatty acids in NAFLD patients. <i>Annals of Hepatology</i> , 2020, 19, 482-488.	0.6	6
81	Triterpenoids of <i>Salvia longistyla</i> . <i>Planta Medica</i> , 1990, 56, 243-243.	0.7	5
82	Hepta-, hexa-, penta-, tetra-, and trisaccharide resin glycosides from three species of <i>Ipomoea</i> and their antiproliferative activity on two glioma cell lines. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 214-223.	1.1	5
83	<sup>1</sup> H and <sup>13</sup> C assignments of two new triterpenes from <i>Cladocolea grahami</i> . <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 1066-1068.	1.1	4
84	Natural Alkamides: Pharmacology, Chemistry and Distribution. , 0, , .		4
85	Is Allelopathic Activity of <i>Ipomoea murucoides</i> Induced by Xylophage Damage?. <i>PLoS ONE</i> , 2015, 10, e0143529.	1.1	4
86	<sup>1</sup> H and <sup>13</sup> C NMR data, occurrence, biosynthesis, and biological activity of <i>Piper</i> amides. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 993-993.	1.1	4
87	Phytotoxic and nematocidal evaluation of <i>Croton ehrenbergii</i> (Euphorbiaceae). <i>Pest Management Science</i> , 2019, 75, 2158-2165.	1.7	4
88	Biological Activity of <i>Crescentia alata</i> (Lamiales: Bignoniaceae) Fractions on Larvae of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). <i>Florida Entomologist</i> , 2014, 97, 770-777.	0.2	3
89	HPLC Determination of the Alkamide Affin in Fresh and Dry Roots of <i>Heliopsis longipes</i> (Asteraceae) and HS-SPME-GC-MS-TOF Analysis of Volatile Components. <i>Food Analytical Methods</i> , 2016, 9, 1807-1813.	1.3	3
90	UPLC-QTOF-MS analysis of cytotoxic and antibacterial extracts of <i>Hechtia glomerata</i> Zucc. <i>Natural Product Research</i> , 2020, , 1-5.	1.0	3

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91	Secondary metabolites from two varieties of <i>Ageratina espinosarum</i> and their chemophenetic significance. <i>Biochemical Systematics and Ecology</i> , 2022, 102, 104409.	0.6	3
92	Two New Benzofurans from <i>Eupatorium aschenbornianum</i> and their Antimicrobial Activity. <i>Planta Medica</i> , 2004, 70, 384-384.	0.7	2
93	<sup>1</sup> H and <sup>13</sup> C assignments of cyclo[N-(Lys-Phe)-Orn-Val], a semicyclic imide tetrapeptide from <i>Burkholderia cepacia</i> . <i>Magnetic Resonance in Chemistry</i> , 2006, 44, 959-961.	1.1	2
94	Complete NMR assignment of 3, 4-secopupunic acid from <i>Decatropis bicolor</i> . <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 329-331.	1.1	2
95	Metabolites of <i>Machaerium isadelphum</i> as chemophenetic markers of <i>Machaerium</i> genus. <i>Biochemical Systematics and Ecology</i> , 2021, 94, 104202.	0.6	2
96	Metabolomic Profile and Cytotoxic Activity of <i>CissusÂncisa</i> Leaves Extracts. <i>Plants</i> , 2021, 10, 1389.	1.6	2
97	Triterpenes and limonoids of <i>Cedrela</i> : Distribution, biosynthesis, and <sup>1</sup> H and <sup>13</sup> C NMR data. <i>Magnetic Resonance in Chemistry</i> , 2022, 60, 275-358.	1.1	2
98	Affinin and hexahydroaffinin: Chemistry and toxicological profile. <i>Drug Development Research</i> , 2020, 81, 969-977.	1.4	1
99	Quality specifications of identity and composition for the medicinal plant <i>Heliopsis longipes</i> . <i>Planta Medica</i> , 2008, 74, .	0.7	1
100	Chemistry and Insecticide activity of <i>Bougainvillea glabra</i> Choisy against <i>Spodoptera frugiperda</i> Smith. <i>Journal of Agriculture &amp; Life Sciences</i> , 2018, 5, .	0.1	1
101	Monoterpene-stilbenes and other constituents from <i>Machaerium isadelphum</i> . <i>Phytochemistry Letters</i> , 2021, 45, 161-167.	0.6	0
102	HPLC quantification method for chrysin and tectochrysin in <i>Flourensia</i> extracts. <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0
103	Total content of affinin from <i>Heliopsis longipes</i> extracts by HPLC. <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0
104	Anti-inflammatory activity and chemical composition of <i>Croton ciliatoglandulifer</i> . <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0
105	Pre-emergent evaluation of <i>Croton ehrenbergii</i> (Euphorbiaceae) and characterization of L-quebrachitol and flavones. <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0
106	Neuroprotective Effects of <i>Ganoderma curtisii</i> Polysaccharides After Kainic Acid-Seizure Induced. <i>Pharmacognosy Journal</i> , 2019, 11, 1046-1054.	0.3	0
107	Folivory on <i>Ipomoea murucoides</i> exerts metabolic changes related to insecticidal activity against Fall armyworm, <i>Spodoptera frugiperda</i> . <i>Allelopathy Journal</i> , 2022, 55, 61-78.	0.2	0
108	Vasorelaxant and Antihypertensive Effects of (3Î²)-ursen-12-en-3,28-diol by NO/cGMP System. <i>Letters in Drug Design and Discovery</i> , 2022, 19, .	0.4	0