Rosario HernÃ¡ndez

List of Publications by Year
in descending order

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87	2,303	218677	243625
papers	citations	26 h-index	44 g-index

92	92	92	2268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Secondary metabolites from species of the biocontrol agent Trichoderma. Phytochemistry Reviews, 2007, 7, 89-123.	6.5	450
2	The putative role of botrydial and related metabolites in the infection mechanism of Botrytis cinerea. Journal of Chemical Ecology, 2002, 28, 997-1005.	1.8	130
3	Virulence-Toxin Production Relationship in Isolates of the Plant Pathogenic Fungus Botrytis cinerea. Journal of Phytopathology, 2004, 152, 563-566.	1.0	62
4	Biologically active diterpenes containing a gem-dimethylcyclopropane subunit: an intriguing source of PKC modulators. Natural Product Reports, 2014, 31, 940-952.	10.3	60
5	Biological activity of natural sesquiterpenoids containing a gem-dimethylcyclopropane unit. Natural Product Reports, 2015, 32, 1236-1248.	10.3	58
6	Biotransformations by Colletotrichum species. Tetrahedron: Asymmetry, 2003, 14, 1229-1239.	1.8	56
7	Screening study for potential lead compounds for natural product-based fungicides: I. Synthesis and in vitro evaluation of coumarins against Botrytis cinerea. Pest Management Science, 2004, 60, 927-932.	3.4	55
8	Botrytis Species: An Intriguing Source of Metabolites with a Wide Range of Biological Activities. Structure, Chemistry and Bioactivity of Metabolites Isolated from Botrytis Species.. Current Organic Chemistry, 2000, 4, 1261-1286.	1.6	54
9	Biocatalysis Applied to the Synthesis of Agrochemicals. Current Organic Chemistry, 2006, 10, 2037-2054.	1.6	50
10	Isolation of new phenylacetylingol derivatives that reactivate HIV-1 latency and a novel spirotriterpenoid from Euphorbia officinarum latex. Bioorganic and Medicinal Chemistry, 2007, 15, 4577-4584.	3.0	49
11	Structure-activity relationships of new phytotoxic metabolites with the botryane skeleton from Botrytis cinerea. Tetrahedron, 1999, 55, 2389-2400.	1.9	45
12	Effects of diterpenes from latex of Euphorbia lactea and Euphorbia laurifolia on human immunodeficiency virus type 1 reactivation. Phytochemistry, 2010, 71, 243-248.	2.9	44
13	Metabolites from a shake culture of Botrytis cinerea. Phytochemistry, 1995, 38, 647-650.	2.9	42
14	Secobotrytriendiol and Related Sesquiterpenoids:Â New Phytotoxic Metabolites fromBotrytiscinerea. Journal of Natural Products, 2000, 63, 182-184.	3.0	39
15	Screening Study of Lead Compounds for Natural Product-Based Fungicides:Â Antifungal Activity and Biotransformation of 6Î±,7Î±-Dihydroxy-Î²-himachalene byBotrytis cinerea. Journal of Agricultural and Food Chemistry, 2005, 53, 6673-6677.	5.2	39
16	Chemical Transformations on Botryane Skeleton. Effect on the Cytotoxic Activity. Journal of Natural Products, 2003, 66, 344-349.	3.0	37
17	The Antifungal Activity of Widdrol and Its Biotransformation byColletotrichum gloeosporioides(penz.) Penz. & Sacc. andBotrytis cinereaPers.:Â Fr.. Journal of Agricultural and Food Chemistry, 2006, 54, 7517-7521.	5.2	33
18	Four New Lactones from Botrytis cinerea. Journal of Natural Products, 2002, 65, 1724-1726.	3.0	32

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19	Biotransformation of Caryophyllene Oxide by Botrytis cinerea. Journal of Natural Products, 1999, 62, 41-44.	3.0	31
20	Synthesis and free radical scavenging activity of a novel metabolite from the fungus Colletotrichum gloeosporioides. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 5836-5839.	2.2	31
21	Novel Rearrangement of an Isocaryolane Sesquiterpenoid under Mitsunobu Conditions. Journal of Organic Chemistry, 2000, 65, 7786-7791.	3.2	30
22	Biotransformation of the fungistatic sesquiterpenoids patchoulol, ginsenol, cedrol and globulol by Botrytis cinerea. Journal of Molecular Catalysis B: Enzymatic, 2001, 11, 329-334.	1.8	30
23	Genetic and Molecular Basis of Botrydial Biosynthesis: Connecting Cytochrome P450-Encoding Genes to Biosynthetic Intermediates. ACS Chemical Biology, 2016, 11, 2838-2846.	3.4	30
24	Gaditanone, a Diterpenoid Based on an Unprecedented Carbon Skeleton Isolated from Euphorbia gaditana. Journal of Natural Products, 2017, 80, 2161-2165.	3.0	30
25	Some key metabolic intermediates in the biosynthesis of botrydial and related compounds. Tetrahedron, 2001, 57, 1929-1933.	1.9	29
26	Sesquiterpenes from the wood of Juniperus lucayana. Phytochemistry, 2007, 68, 2409-2414.	2.9	29
27	Some metabolites of Botrytis cinerea related to botcinolide. Phytochemistry, 1996, 42, 1621-1624.	2.9	26
28	12-Deoxyphorbols Promote Adult Neurogenesis by Inducing Neural Progenitor Cell Proliferation via PKC Activation. International Journal of Neuropsychopharmacology, 2016, 19, pyv085.	2.1	26
29	ELAC (3,12â€diâ€Oâ€acetylâ€8â€Oâ€tigloilingol), a plantâ€derived lathyrane diterpene, induces subventricular zone neural progenitor cell proliferation through PKCÎ² activation. British Journal of Pharmacology, 2017, 174, 2373-2392.	5.4	26
30	An improved synthesis of 3-(1,1-dimethylallyl)coumarins. Tetrahedron, 1993, 49, 1701-1710.	1.9	25
31	Biotransformation of (4E,8R)-Caryophyll-4(5)-en-8-ol byBotrytiscinerea. Journal of Natural Products, 2000, 63, 44-47.	3.0	25
32	Synthesis and Quantitative Structureâ^'Antifungal Activity Relationships of Clovane Derivatives against Botrytis cinerea. Journal of Agricultural and Food Chemistry, 2009, 57, 2420-2428.	5.2	22
33	The biodegradation of the phytotoxic metabolite botrydial by its parent organism, Botrytis cinerea. Journal of Chemical Research, 2004, 2004, 441-443.	1.3	21
34	Biosynthetic Studies on the Botcinolide Skeleton:â€‰ New Hydroxylated Lactones from Botrytis cinerea. Journal of Organic Chemistry, 2006, 71, 562-565.	3.2	21
35	Quantitative structureâ€“activity relationship studies for the prediction of antifungal activity of N-arylbenzenesulfonamides against Botrytis cinerea. Journal of Molecular Graphics and Modelling, 2007, 25, 680-690.	2.4	21
36	Antifungal Activity and Biotransformation of Diisophorone byBotrytis cinerea. Journal of Agricultural and Food Chemistry, 2005, 53, 6035-6039.	5.2	20

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37	Chemically Induced Cryptic Sesquiterpenoids and Expression of Sesquiterpene Cyclases in Botrytis cinerea Revealed New Sporogenic (+)-4-Epieremophil-9-en-11-ols. ACS Chemical Biology, 2016, 11, 1391-1400.	3.4	20
38	Metabolites from Eutypa species that are pathogens on grapes. Natural Product Reports, 2006, 23, 108-116.	10.3	18
39	The role of botrydienediol in the biodegradation of the sesquiterpenoid phytotoxin botrydial by Botrytis cinerea. Tetrahedron, 2006, 62, 8256-8261.	1.9	18
40	Botrylactone: new interest in an old moleculeâ€"review of its absolute configuration and related compounds. Tetrahedron, 2011, 67, 417-420.	1.9	17
41	Chemoselective and stereoselective lithium carbenoid mediated cyclopropanation of acyclic allylic alcohols. Organic and Biomolecular Chemistry, 2016, 14, 2731-2741.	2.8	17
42	A novel PKC activating molecule promotes neuroblast differentiation and delivery of newborn neurons in brain injuries. Cell Death and Disease, 2020, 11, 262.	6.3	17
43	Two novel steroids from Euphorbia officinarum latex. Natural Product Research, 2004, 18, 177-181.	1.8	15
44	Lathyrane, Premyrsinane, and Related Diterpenes from Euphorbia boetica: Effect on in Vitro Neural Progenitor Cell Proliferation. Journal of Natural Products, 2019, 82, 2517-2528.	3.0	15
45	Biotransformation of Bioactive Isocaryolanes by Botrytis cinerea. Journal of Natural Products, 2011, 74, 1707-1712.	3.0	14
46	Stereochemistry of a rearrangement of B and C rings in clovane skeleton. Tetrahedron, 1998, 54, 1615-1626.	1.9	13
47	Quantitative Structureâ^'Antifungal Activity Relationships of Some Benzohydrazides against Botrytis cinerea. Journal of Agricultural and Food Chemistry, 2007, 55, 5171-5179.	5.2	13
48	A Shared Biosynthetic Pathway for Botcinins and Botrylactones Revealed through Gene Deletions. ChemBioChem, 2013, 14, 132-136.	2.6	13
49	Unexpected Mild Protection of Alcohols as 2â€Oâ€THF and 2â€Oâ€THP Ethers Catalysed by Cp₂TiCl Reveal an Intriguing Role of the Solvent in the Singleâ€Electron Transfer Reaction. European Journal of Organic Chemistry, 2015, 2015, 6333-6340.	2.4	13
50	Effects of classical PKC activation on hippocampal neurogenesis and cognitive performance: mechanism of action. Neuropsychopharmacology, 2021, 46, 1207-1219.	5.4	13
51	Phorbol Diesters and 12-Deoxy-16-hydroxyphorbol 13,16-Diesters Induce TGFÎ± Release and Adult Mouse Neurogenesis. Journal of Medicinal Chemistry, 2021, 64, 6070-6084.	6.4	13
52	Mild Epoxidation of Allylic Alcohols Catalyzed by Titanium(III) Complexes: Selectivity and Mechanism. ACS Omega, 2017, 2, 3083-3090.	3.5	12
53	13C NMR of coumarins. Vâ€"3-prenylated coumarins. Magnetic Resonance in Chemistry, 1990, 28, 732-735.	1.9	11
54	Novel Rearrangements of Sesquiterpenoid Panasinsane Derivatives under Acidic Conditions. Journal of Organic Chemistry, 2001, 66, 4327-4332.	3.2	11

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55	Biocatalytically assisted preparation of antifungal chlorophenylpropanols. Tetrahedron: Asymmetry, 2002, 13, 1681-1686.	1.8	11
56	The Asymmetric Total Synthesis of Cinbotolide: A Revision of the Original Structure. Journal of Organic Chemistry, 2014, 79, 11349-11358.	3.2	11
57	Titanium carbenoid-mediated cyclopropanation of allylic alcohols: selectivity and mechanism. Organic and Biomolecular Chemistry, 2015, 13, 6325-6332.	2.8	11
58	Biotransformation of the fungistatic sesquiterpenoid isoprobotryan-9Î±-ol by Botrytis cinerea. Journal of Molecular Catalysis B: Enzymatic, 2002, 16, 249-253.	1.8	10
59	Biotransformation of the fungistatic compound (R)-(+)-1-(4â€²-chlorophenyl)propan-1-ol by Botrytis cinerea. Journal of Molecular Catalysis B: Enzymatic, 2003, 21, 267-271.	1.8	10
60	Studies on the biosynthesis of secobotryane skeleton. Tetrahedron, 2003, 59, 6267-6271.	1.9	10
61	Lipase-catalyzed resolution of 5-acetoxy-1,2-dihydroxy-1,2,3,4-tetrahydronaphthalene. Application to the synthesis of (+)-(3R,4S)-cis-4-hydroxy-6-deoxyscytalone, a metabolite isolated from Colletotrichum acutatum. Tetrahedron, 2009, 65, 3392-3396.	1.9	10
62	Global Antifungal Profile Optimization of Chlorophenyl Derivatives against Botrytis cinerea and Colletotrichum gloeosporioides. Journal of Agricultural and Food Chemistry, 2009, 57, 4838-4843.	5.2	10
63	Biotransformation of clovane derivatives. Whole cell fungi mediated domino synthesis of rumphellclovane A. Organic and Biomolecular Chemistry, 2012, 10, 3315.	2.8	10
64	Phytotoxic Activity and Metabolism of Botrytis cinerea and Structureâ€“Activity Relationships of Isocaryolane Derivatives. Journal of Natural Products, 2013, 76, 1016-1024.	3.0	10
65	Exploring mutasynthesis to increase structural diversity in the synthesis of highly oxygenated polyketide lactones. Organic and Biomolecular Chemistry, 2014, 12, 5304-5310.	2.8	10
66	Biocatalysis Applied to the Synthesis of Pheromones. Current Organic Chemistry, 2007, 11, 693-705.	1.6	9
67	Enantioselective, chemoenzymatic synthesis, and absolute configuration of the antioxidant (â^')-gloeosporiol. Tetrahedron, 2010, 66, 8068-8075.	1.9	8
68	Efficient O -Acylation of Alcohols and Phenol Using Cp2 TiCl as a Reaction Promoter. European Journal of Organic Chemistry, 2016, 2016, 3584-3591.	2.4	8
69	The formation of sesquiterpenoid presilphiperfolane and cameroonane metabolites in the Bcbot4 null mutant of Botrytis cinerea. Organic and Biomolecular Chemistry, 2017, 15, 5357-5363.	2.8	8
70	A new and efficient route to 3-(1,1-dimethylallyl)coumarins. Tetrahedron Letters, 1991, 32, 3209-3212.	1.4	7
71	Novel methoxyl and hydroxyl directed pinacol rearrangements of an isocaryolane sesquiterpenoid under Mitsunobu conditions. Tetrahedron Letters, 1999, 40, 6497-6498.	1.4	7
72	Studies on biotransformation of (Â±)-1-(4â€²-chlorophenyl)-2-phenylethanol. Tetrahedron: Asymmetry, 2003, 14, 3755-3760.	1.8	7

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73	Asymmetric preparation of antifungal 1-(4â€²-chlorophenyl)-1-cyclopropyl methanol and 1-(4â€²-chlorophenyl)-2-phenylethanol. Study of the detoxification mechanism by Botrytis cinerea. Journal of Molecular Catalysis B: Enzymatic, 2011, 70, 61-66.	1.8	7
74	Impairment of botrydial production in Botrytis cinerea allows the isolation of undescribed polyketides and reveals new insights into the botcinins biosynthetic pathway. Phytochemistry, 2021, 183, 112627.	2.9	7
75	Pharmacological Potential of Lathyrane-Type Diterpenoids from Phytochemical Sources. Pharmaceuticals, 2022, 15, 780.	3.8	7
76	Chemical genetics strategies for identification of molecular targets. Phytochemistry Reviews, 2013, 12, 895-914.	6.5	6
77	Bond reactivity indices approach analysis of the [2+2] cycloaddition of jatrophane skeleton diterpenoids from Euphorbia gaditana Coss to tetracyclic gaditanone. Phytochemistry, 2020, 180, 112519.	2.9	5
78	Effect of Substituents on the Ring-Closing Metathesis Reaction in the Synthesis of Functionalized Nonanolactones. Synlett, 2008, 2008, 339-342.	1.8	4
79	Stereoselective Synthesis and Absolute Configuration Determination of Xylariolide A. European Journal of Organic Chemistry, 2013, 2013, 2420-2427.	2.4	4
80	nor-Mevaldic acid surrogates as selective antifungal agent leads against Botrytis cinerea. Enantioselective preparation of 4-hydroxy-6-(1-phenylethoxy)tetrahydro-2H-pyran-2-one. Bioorganic and Medicinal Chemistry, 2015, 23, 3379-3387.	3.0	4
81	Synthesis of Degraded Limonoid Analogs as New Antibacterial Scaffolds against Staphylococcus aureus. Antibiotics, 2020, 9, 488.	3.7	4
82	Synthesis of bioactive 7-Î²-hydroxyeudesmanolides. Tetrahedron, 1994, 50, 10531-10538.	1.9	3
83	Diastereoselective and enantioselective preparation of nor-mevaldic acid surrogates through desymmetrisation methodology. Enantioselective synthesis of (+) and (â^') nor-mevalonic lactones. Tetrahedron, 2015, 71, 7531-7538.	1.9	3
84	The synthesis of 3-hydroxy-2,4,8-trimethyldec-8-enolides and an approach to 3,4-dihydroxy-2,4,6,8-tetramethyldec-8-enolide. Organic and Biomolecular Chemistry, 2015, 13, 465-476.	2.8	3
85	Screening Study of Potential Lead Compounds for Natural Product Based Fungicides from Juniperus Lucayana. Natural Product Communications, 2008, 3, 1934578X0800300.	0.5	2
86	Lathyrane Diterpenes from the Latex of Euphorbia laurifolia. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	2
87	The complemented mutant Î”Bcstc7, in the STC7 of Botrytis cinerea led to the characterization of 11,12,13-tri-nor-eremophilenols derivatives. Phytochemistry, 2022, 193, 113003.	2.9	2