JosÃ© J FernÃ¡ndez

List of Publications by Year
in descending order

144 papers	3,519 citations	136950 32 h-index	197818 49 g-index
152 all docs	152 docs citations	152 times ranked	2767 citing authors

#	Article	IF	Citations
1	Squamins Câ€“F, four cyclopeptides from the seeds of Annona globiflora. Phytochemistry, 2022, 194, 112839.	2.9	3
2	Osteoprotective effect of the marine alkaloid norzoanthamine on an osteoporosis model in ovariectomized rat. Biomedicine and Pharmacotherapy, 2022, 147, 112631.	5.6	3
3	Sesquiterpene lactones as potential therapeutic agents against Naegleria fowleri. Biomedicine and Pharmacotherapy, 2022, 147, 112694.	5.6	5
4	Cyclolauranes as plausible chemical scaffold against Naegleria fowleri. Biomedicine and Pharmacotherapy, 2022, 149, 112816.	5.6	5
5	Acaricidal activity of Mexican plants against Rhipicephalus microplus resistant to amitraz and cypermethrin. Veterinary Parasitology, 2022, 307-308, 109733.	1.8	2
6	Antiproliferative potential of 3Î²,5Î±,6Î²,7Î±-tetrahydroxyergosta-8(14),22-diene produced by Acremonium persicinum isolated from an alkaline crater lake in Puebla, Mexico. Natural Product Research, 2021, 35, 2895-2898.	1.8	3
7	Prorocentroic Acid, a Neuroactive Super-Carbon-Chain Compound from the Dinoflagellate Prorocentrum hoffmannianum. Organic Letters, 2021, 23, 13-18.	4.6	15
8	Antiamoebic effects of sesquiterpene lactones isolated from the zoanthid Palythoa aff. clavata. Bioorganic Chemistry, 2021, 108, 104682.	4.1	11
9	Apoptosis-like cell death upon kinetoplastid induction by compounds isolated from the brown algae Dictyota spiralis. Parasites and Vectors, 2021, 14, 198.	2.5	9
10	Isolation and Structural Elucidation of New Amphidinol Analogues from Amphidinium carterae Cultivated in a Pilot-Scale Photobioreactor. Marine Drugs, 2021, 19, 432.	4.6	7
11	Bioprospecting Antiproliferative Marine Microbiota From Submarine Volcano Tagoro. Frontiers in Marine Science, 2021, 8, .	2.5	4
12	Antiamoeboid activity of squamins Câ€“F, cyclooctapeptides from Annona globifora. International Journal for Parasitology: Drugs and Drug Resistance, 2021, 17, 67-79.	3.4	4
13	Antikinetoplastid Activity of Sesquiterpenes Isolated from the Zoanthid Palythoa aff. clavata. Pharmaceuticals, 2021, 14, 1095.	3.8	7
14	Structure and Computational Basis for Backbone Rearrangement in Marine Oxasqualenoids. Journal of Organic Chemistry, 2021, 86, 2437-2446.	3.2	7
15	Studies on the bioactive flavonoids isolated from Azadirachta indica. Natural Product Research, 2020, 34, 3483-3491.	1.8	5
16	Laurinterol from Laurencia johnstonii eliminates Naegleria fowleri triggering PCD by inhibition of ATPases. Scientific Reports, 2020, 10, 17731.	3.3	15
17	Antimycobacterial Activity of Laurinterol and Aplysin from Laurencia johnstonii. Marine Drugs, 2020, 18, 287.	4.6	8
18	The sea-hare Aplysia brasiliana promotes induction in chemical defense in the seaweed Laurencia dendroidea and in their congeneric neighbors. Plant Physiology and Biochemistry, 2020, 154, 295-303.	5.8	4

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19	Evaluation of Indolocarbazoles from Streptomyces sanyensis as a Novel Source of Therapeutic Agents against the Brain-Eating Amoeba Naegleria fowleri. Microorganisms, 2020, 8, 789.	3.6	13
20	Photodynamic treatment induced membrane cell damage in Acanthamoeba castellanii Neff. Dyes and Pigments, 2020, 180, 108481.	3.7	2
21	Antikinetoplastid Activity of Indolocarbazoles from Streptomyces sanyensis. Biomolecules, 2020, 10, 657.	4.0	24
22	A modified lysosomal organelle mediates nonlytic egress of reovirus. Journal of Cell Biology, 2020, 219, .	5.2	27
23	Evaluation of Oxasqualenoids from the Red Alga Laurencia viridis against Acanthamoeba. Marine Drugs, 2019, 17, 420.	4.6	24
24	Antiamoebic Activities of Indolocarbazole Metabolites Isolated from Streptomyces sanyensis Cultures. Marine Drugs, 2019, 17, 588.	4.6	11
25	Damages at the nanoscale on red blood cells promoted by fire corals. Scientific Reports, 2019, 9, 14298.	3.3	6
26	Staurosporine from Streptomyces sanyensis activates Programmed Cell Death in Acanthamoeba via the mitochondrial pathway and presents low in vitro cytotoxicity levels in a macrophage cell line. Scientific Reports, 2019, 9, 11651.	3.3	27
27	Antiprotozoal activities of marine polyether triterpenoids. Bioorganic Chemistry, 2019, 92, 103276.	4.1	27
28	Antiproliferative activity of biomass extract from Pseudomonas cedrina. Electronic Journal of Biotechnology, 2019, 40, 40-44.	2.2	5
29	Spiralyde A, an Antikinetoplastid Dolabellane from the Brown Alga Dictyota spiralis. Marine Drugs, 2019, 17, 192.	4.6	18
30	Antitumoral Effect of Laurinterol on 3D Culture of Breast Cancer Explants. Marine Drugs, 2019, 17, 201.	4.6	11
31	Sclerin, a New Cytotoxic Cyclononapeptide from Annona scleroderma. Molecules, 2019, 24, 554.	3.8	5
32	A pilot-scale bioprocess to produce amphidinols from the marine microalga Amphidinium carterae: Isolation of a novel analogue. Algal Research, 2018, 31, 87-98.	4.6	27
33	Determination of Î´15N in Anemonia sulcata as a pollution bioindicator. Ecological Indicators, 2018, 90, 179-183.	6.3	21
34	Coupling biological detection to liquid chromatography: a new tool in drug discovery. Naunyn-Schmiedeberg's Archives of Pharmacology, 2018, 391, 9-16.	3.0	2
35	Antitumor activity of Lepidium latifolium and identification of the epithionitrile 1â€cyanoâ€2,3â€epithiopropane as its major active component. Molecular Carcinogenesis, 2018, 57, 347-360.	2.7	18
36	Anti-Acanthamoeba Activity of Brominated Sesquiterpenes from Laurencia johnstonii. Marine Drugs, 2018, 16, 443.	4.6	25

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37	The 9H-Fluoren Vinyl Ether Derivative SAM461 Inhibits Bacterial Luciferase Activity and Protects Artemia franciscana From Luminescent Vibriosis. Frontiers in Cellular and Infection Microbiology, 2018, 8, 368.	3.9	1
38	A Multi-Task Priority Framework for Redundant Robots with Multiple Kinematic Chains under Hard Joint and Cartesian Constraints. , 2018, , .		0
39	Exploring photosensitization as an efficient antifungal method. Scientific Reports, 2018, 8, 14489.	3.3	6
40	Marine Microalgae: Promising Source for New Bioactive Compounds. Marine Drugs, 2018, 16, 317.	4.6	49
41	Pinnatifidenyne-Derived Ethynyl Oxirane Acetogenins from Laurencia viridis. Marine Drugs, 2018, 16, 5.	4.6	5
42	Marine Longilenes, Oxasqualenoids with Ser-Thr Protein Phosphatase 2A Inhibition Activity. Marine Drugs, 2018, 16, 131.	4.6	6
43	The toxic benthic dinoflagellate Prorocentrum maculosum Faust is a synonym of Prorocentrum hoffmannianum Faust. Harmful Algae, 2018, 78, 1-8.	4.8	19
44	Endoplasmic Reticulum Stress Sensor IRE1Î± Enhances IL-23 Expression by Human Dendritic Cells. Frontiers in Immunology, 2017, 8, 639.	4.8	33
45	Detection of a chemical cue from the host seaweed Laurencia dendroidea by the associated mollusc Aplysia brasiliana. PLoS ONE, 2017, 12, e0187126.	2.5	12
46	Brefeldin-A: an Antiproliferative Metabolite of the Fungus Curvularia trifolii Collected from the Veracruz Coral Reef System, Mexico. Journal of the Mexican Chemical Society, 2017, 60, .	0.6	0
47	Antiproliferative effect of extract from endophytic fungusCurvularia trifoliiisolated from the â€œVeracruz Reef Systemâ€•in Mexico. Pharmaceutical Biology, 2016, 54, 1392-1397.	2.9	8
48	Synthesis and biological evaluation of crown ether acyl derivatives. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5591-5593.	2.2	16
49	Additional Insights into the Obtusallene Family: Components ofLaurencia marilzae. Journal of Natural Products, 2016, 79, 1184-1188.	3.0	10
50	A Bioassay Protocol for Quorum Sensing Studies Using Vibrio campbellii. Bio-protocol, 2016, 6, .	0.4	4
51	From Broad-Spectrum Biocides to Quorum Sensing Disruptors and Mussel Repellents: Antifouling Profile of Alkyl Triphenylphosphonium Salts. PLoS ONE, 2015, 10, e0123652.	2.5	54
52	Flavonoids from Piper delineatum modulate quorum-sensing-regulated phenotypes in Vibrio harveyi. Phytochemistry, 2015, 117, 98-106.	2.9	24
53	Oxasqualenoids from Laurencia viridis: Combined Spectroscopicâ€“Computational Analysis and Antifouling Potential. Journal of Natural Products, 2015, 78, 712-721.	3.0	32
54	Acetate-Derived Metabolites from the Brown Alga Lobophora variegata. Journal of Natural Products, 2015, 78, 1716-1722.	3.0	9

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55	Isolation and Characterization of Bioactive Metabolites from Fruiting Bodies and Mycelial Culture of Ganoderma oerstedii (Higher Basidiomycetes) from Mexico. International Journal of Medicinal Mushrooms, 2015, 17, 501-509.	1.5	13
56	Inhibition of Bacterial Quorum Sensing by Extracts from Aquatic Fungi: First Report from Marine Endophytes. Marine Drugs, 2014, 12, 5503-5526.	4.6	68
57	New Oxidized Zoanthamines from a Canary Islands Zoanthus sp.. Marine Drugs, 2014, 12, 5188-5196.	4.6	14
58	Stereochemical Determination of Five-Membered Cyclic Ether Acetogenins Using a Spin-Spin Coupling Constant Approach and DFT Calculations. Marine Drugs, 2014, 12, 4031-4044.	4.6	13
59	Belizentrin, a Highly Bioactive Macrocycle from the Dinoflagellate Prorocentrum belizeanum. Organic Letters, 2014, 16, 4546-4549.	4.6	38
60	On the influence of the culture conditions in bacterial antifouling bioassays and biofilm properties: Shewanella algae, a case study. BMC Microbiology, 2014, 14, 102.	3.3	26
61	Zoaramine, a Zoanthamine-like Alkaloid with a New Skeleton. Organic Letters, 2014, 16, 2880-2883.	4.6	23
62	Stereochemistry of Complex Marine Natural Products by Quantum Mechanical Calculations of NMR Chemical Shifts: Solvent and Conformational Effects on Okadaic Acid. Marine Drugs, 2014, 12, 176-192.	4.6	20
63	Connecting Discrete Stereoclusters by Using DFT and NMR Spectroscopy: The Case of Nivariol. Chemistry - A European Journal, 2013, 19, 8525-8532.	3.3	39
64	Comparative Toxicological Study of the Novel Protein Phosphatase Inhibitor 19-Epi-Okadaic Acid in Primary Cultures of Rat Cerebellar Cells. Toxicological Sciences, 2013, 132, 409-418.	3.1	7
65	Self-Association of Okadaic Acid: Structural and Pharmacological Significance. Marine Drugs, 2013, 11, 1866-1877.	4.6	14
66	Antiproliferative Activity of epi-Cercosporin in Human Solid Tumor Cell Lines. Natural Product Communications, 2013, 8, 1934578X1300800.	0.5	1
67	Marine Macrolides: Blue Biotechnology Against Cancer. , 2013, , 3-45.		0
68	Antiproliferative activity of epi-cercosporin in human solid tumor cell lines. Natural Product Communications, 2013, 8, 187-9.	0.5	2
69	Saiyacenols A and B: the key to solve the controversy about the configuration ofÂaplysiols. Tetrahedron, 2012, 68, 7275-7279.	1.9	25
70	Biosynthetic Studies on Water-Soluble Derivative 5c (DTX5c). Marine Drugs, 2012, 10, 2234-2245.	4.6	8
71	Nonterpenoid C₁₅ Acetogenins from Laurencia marilzae. Journal of Natural Products, 2011, 74, 441-448.	3.0	29
72	New Bicyclotridecane C₁₅ Nonterpenoid Bromoallenes from Laurencia marilzae. Organic Letters, 2011, 13, 2690-2693.	4.6	24

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73	New Polyether Triterpenoids from Laurencia viridis and Their Biological Evaluation. Marine Drugs, 2011, 9, 2220-2235.	4.6	45
74	The role of macrosporin in necrotic spots. Phytochemistry Letters, 2011, 4, 122-125.	1.2	17
75	On the Configuration of Fiveâ€Membered Rings: A Spinâ€“Spin Coupling Constant Approach. Chemistry - A European Journal, 2011, 17, 6338-6347.	3.3	56
76	Cytotoxic oxasqualenoids from the red alga Laurencia viridis. European Journal of Medicinal Chemistry, 2011, 46, 3302-3308.	5.5	45
77	Corozalic Acid: A Key Okadaic Acid Biosynthetic Precursor with Phosphatase Inhibition Activity. Chemistry - A European Journal, 2010, 16, 11576-11579.	3.3	12
78	Studies on Polyethers Produced by Red Algae. Marine Drugs, 2010, 8, 1178-1188.	4.6	34
79	Dinoflagellate polyether within the yessotoxin, pectenotoxin and okadaic acid toxin groups: Characterization, analysis and human health implications. Toxicon, 2010, 56, 191-217.	1.6	127
80	Adriatoxin-B, the first C13 terminal truncated YTX analogue obtained from dinoflagellates. Toxicon, 2010, 55, 1484-1490.	1.6	9
81	Marine Macrolides, a Promising Source of Antitumor Compounds. Anti-Cancer Agents in Medicinal Chemistry, 2009, 9, 122-137.	1.7	35
82	Belizeanolide, a Cytotoxic Macrolide from the Dinoflagellate Prorocentrum belizeanum. Angewandte Chemie - International Edition, 2009, 48, 796-799.	13.8	33
83	Belizeanic Acid: A Potent Protein Phosphatase 1 Inhibitor Belonging to the Okadaic Acid Class, with an Unusual Skeleton. Chemistry - A European Journal, 2008, 14, 6948-6956.	3.3	25
84	Micromelones A and B, Noncontiguous Polypropionates from Micromelo undata. Journal of Natural Products, 2008, 71, 281-284.	3.0	8
85	Yessotoxins, a Group of Marine Polyether Toxins: an Overview. Marine Drugs, 2008, 6, 73-102.	4.6	129
86	Identification of 19-epi-okadaic Acid, a New Diarrhetic Shellfish Poisoning Toxin, by Liquid Chromatography with Mass Spectrometry Detection. Marine Drugs, 2008, 6, 489-495.	4.6	10
87	Yessotoxins, a Group of Marine Polyether Toxins: an Overview. Marine Drugs, 2008, 6, 73-102.	4.6	105
88	Identification of a New Diarrhetic Shellfish Poisoning Toxin, 19-epi-okadaic Acid by Liquid Chromatography with Mass Spectrometry Detection. Marine Drugs, 2008, 6, 489-495.	4.6	12
89	Characterisation of okadaic acid related toxins by liquid chromatography coupled with mass spectrometry. Toxicon, 2007, 50, 225-235.	1.6	31
90	Identification and characterization of DTX-5c and 7-hydroxymethyl-2-methylene-octa-4,7-dienyl okadaate from Prorocentrum belizeanum cultures by LCâ€“MS. Toxicon, 2007, 50, 470-478.	1.6	17

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91	Self-Assembly of Okadaic Acid as a Pathway to the Cell. Organic Letters, 2007, 9, 4191-4194.	4.6	15
92	19-epi-Okadaic Acid, a Novel Protein Phosphatase Inhibitor with Enhanced Selectivity. Organic Letters, 2007, 9, 3045-3048.	4.6	36
93	Chemical modulation of VLA integrin affinity in human breast cancer cells. Experimental Cell Research, 2007, 313, 1121-1134.	2.6	12
94	DTX5c, a new OA sulphate ester derivative from cultures of Prorocentrum belizeanum. Toxicon, 2006, 47, 920-924.	1.6	33
95	Detection and identification of glycoyessotoxin A in a culture of the dinoflagellate Protoceratium reticulatum. Toxicon, 2006, 48, 611-619.	1.6	18
96	Isolation of naturally occurring dactylomelane metabolites as Laurencia constituents. Tetrahedron, 2005, 61, 8910-8915.	1.9	26
97	Glycoyessotoxin A, a New Yessotoxin Derivative from Cultures of Protoceratium reticulatum. Journal of Natural Products, 2005, 68, 420-422.	3.0	37
98	New Targets in Diarrhetic Shellfish Poisoning Control. Journal of Natural Products, 2005, 68, 596-599.	3.0	28
99	Biosynthetic studies of the DSP toxin skeleton. Chemical Record, 2004, 4, 1-9.	5.8	19
100	Self-Association of Okadaic Acid upon Complexation with Potassium Ion. Journal of Medicinal Chemistry, 2004, 47, 10-13.	6.4	11
101	Novel Meroditerpenes from the Brown AlgaCystoseirasp.. Journal of Natural Products, 2004, 67, 495-499.	3.0	14
102	The inhibitory effects of squalene-derived triterpenes on protein phosphatase PP2A. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 1261-1264.	2.2	26
103	Evaluation of the effects of several zoanthamine-type alkaloids on the aggregation of human platelets. Bioorganic and Medicinal Chemistry, 2003, 11, 2301-2306.	3.0	64
104	Identification of New Okadaic Acid Derivatives from Laboratory Cultures ofProrocentrumlima. Journal of Natural Products, 2003, 66, 1294-1296.	3.0	37
105	Induction of apoptosis in estrogen dependent and independent breast cancer cells by the marine terpenoid dehydrothyrsiferol. Biochemical Pharmacology, 2003, 65, 1451-1461.	4.4	45
106	Okadaic Acid, Useful Tool for Studying Cellular Processes. Current Medicinal Chemistry, 2002, 9, 229-262.	2.4	137
107	Novel marine polyethers. Tetrahedron, 2002, 58, 8119-8125.	1.9	31
108	Isolation and Structural Determination of DTX-6, a New Okadaic Acid Derivative. Journal of Natural Products, 2001, 64, 1363-1364.	3.0	33

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109	Influence of amino acids on okadaic acid production. Toxicon, 2001, 39, 659-664.	1.6	7
110	Toxic marine microalgae. Toxicon, 2001, 39, 1101-1132.	1.6	185
111	Several new squalene-derived triterpenes from Laurencia. Tetrahedron, 2001, 57, 3117-3123.	1.9	37
112	Marine polyether triterpenes (up to May 1999). Natural Product Reports, 2000, 17, 235-246.	10.3	125
113	New Monogalactosyl Triacylglycerol from a Cultured Marine Dinoflagellate amphidinium Sp.. Natural Product Research, 1999, 14, 107-114.	0.4	3
114	New alkaloids from a marine zoanthid. Tetrahedron, 1999, 55, 5539-5546.	1.9	56
115	Epioxyzoanthamine, a new zoanthamine-type alkaloid and the unusual deuterium exchange in this series. Tetrahedron, 1998, 54, 7891-7896.	1.9	34
116	Complexation of okadaic acid : A preliminary study. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 1007-1012.	2.2	4
117	Evaluation of the cytotoxic activity of polyethers isolated from Laurencia. Bioorganic and Medicinal Chemistry, 1998, 6, 2237-2243.	3.0	33
118	Novel Metabolites from the Brown Alga Cystoseira Abies Marina. Natural Product Research, 1998, 12, 285-291.	0.4	12
119	Inhibitory effects of okadaic acid on rat uterine contractile responses to different spasmogens. Fundamental and Clinical Pharmacology, 1997, 11, 47-56.	1.9	4
120	Thyrsenols A and B, two unusual polyether squalene derivatives. Tetrahedron, 1997, 53, 3173-3178.	1.9	41
121	New polyether squalene derivatives from Laurencia. Tetrahedron, 1997, 53, 4649-4654.	1.9	36
122	Two new antitumoral polyether squalene derivatives. Tetrahedron Letters, 1996, 37, 2671-2674.	1.4	44
123	Viridiols, Two New Diterpenes fromLaurencia Viridis. Natural Product Research, 1996, 8, 263-269.	0.4	9
124	Viridianol, a rearranged sesquiterpene with a novel carbon skeleton from Laurencia viridis. Tetrahedron Letters, 1994, 35, 4607-4610.	1.4	20
125	Studies on the biosynthesis of the polyether marine toxin dinophysistoxin-1 (DTX-1). Tetrahedron Letters, 1994, 35, 1441-1444.	1.4	36
126	Isolation and synthesis of siphonarienal a new polypropionate from Siphonaria grisea. Tetrahedron Letters, 1994, 35, 3413-3416.	1.4	28

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127	Structural determination and biosynthetic origin of two ester derivatives of okadaic acid isolated from Prorocentrum lima.. Tetrahedron, 1994, 50, 9175-9180.	1.9	39
128	Inhibitory and contractile effects of okadaic acid on rat uterine muscle. European Journal of Pharmacology, 1992, 219, 473-476.	3.5	7
129	Bisabolane halogenated sesquiterpenes fromLaurencia. Phytochemistry, 1992, 31, 326-327.	2.9	11
130	New halogenated sesquiterpenes from the red alga Laurencia caespitosa. Canadian Journal of Chemistry, 1991, 69, 518-520.	1.1	9
131	A new and highly oxygenated bromoallene from a marine source.. Tetrahedron Letters, 1991, 32, 4377-4380.	1.4	18
132	Okadaic acid: A proton and carbon NMR study. Tetrahedron, 1991, 47, 7437-7446.	1.9	58
133	A new haloether from Laurencia possessing a lauroxacyclododecane ring. Structural and conformational studies. Tetrahedron, 1991, 47, 2273-2276.	1.9	26
134	(+)-Lepidozene a new bicyclic sesquiterpene from the gorgonia lophogorgia ruberrima. Tetrahedron, 1990, 46, 8237-8242.	1.9	10
135	E-Dihydrorhodophytin, A C15 acetogenin from the red alga Laurencia pinnatifida. Phytochemistry, 1989, 28, 647-649.	2.9	21
136	Metabolites from Laurencia obtusa. Phytochemistry, 1989, 28, 3365-3367.	2.9	19
137	Regular and irregular sesquiterpenes containing a halogenated hydropyran from Laurencia caespitosa. Phytochemistry, 1989, 28, 1417-1424.	2.9	22
138	Three new bromo ethers from the red alga laurencia obtusa. Tetrahedron, 1989, 45, 5987-5994.	1.9	21
139	Aplysinadiene and (r,r) 5 [3,5-dibromo-4-[(2-oxo-5-oxazolidinyl)] methoxyphenyl]-2-oxazolidinone, two novel metabolites from aplysina aerophoba synthes. Tetrahedron, 1988, 44, 4973-4980.	1.9	26
140	Graciosin and graciosallene, two bromoethers from Laurencia obtusa. Phytochemistry, 1988, 27, 3537-3539.	2.9	16
141	A New Trioxygenated Diterpene from the Mollusk Aplysia dactylomela. Journal of Natural Products, 1987, 50, 1158-1159.	3.0	10
142	Isolation and synthesis of aplysinadiene, a new rearranged dibromotyrosine derivative from aplysina aerophoba. Tetrahedron Letters, 1987, 28, 1693-1696.	1.4	13
143	Terpenoids of the red alga laurencia pinnatifida. Tetrahedron, 1984, 40, 2751-2755.	1.9	41
144	Bioprospecting of fungi with antiproliferative activity from the mangrove sediment of the Tampamachoco coastal lagoon, Veracruz, Mexico. Scientia Fungorum, 0, 48, 53-60.	0.3	3