

Jesús M Martínez-Serrano

List of Publications by Year in descending order

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104
papers

3,069
citations

147801

31
h-index

197818

49
g-index

110
all docs

110
docs citations

110
times ranked

4077
citing authors

#	ARTICLE	IF	CITATIONS
1	Marine bacterial activity against phytopathogenic <i>Pseudomonas</i> show high efficiency of Planctomycetes extracts. <i>European Journal of Plant Pathology</i> , 2022, 162, 843-854.	1.7	8
2	In Vitro Assessment of Organic and Residual Fractions of Nematicidal Culture Filtrates from Thirteen Tropical <i>Trichoderma</i> Strains and Metabolic Profiles of Most-Active. <i>Journal of Fungi (Basel)</i> , 2022, 7, 50697.	1.0	1
3	Colibrimycins, Novel Halogenated Hybrid Polyketide Synthase-Nonribosomal Peptide Synthetase (PKS-NRPS) Compounds Produced by <i>Streptomyces</i> sp. Strain CS147. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0183921.	3.1	13
4	Comoclathrin, a novel potent skin-whitening agent produced by endophytic <i>Comoclathris</i> strains associated with Andalusia desert plants. <i>Scientific Reports</i> , 2022, 12, 1649.	3.3	4
5	Discovery of gargantulides B and C, new 52-membered macrolactones from <i>Amycolatopsis</i> sp. Complete absolute stereochemistry of the gargantulide family. <i>Organic Chemistry Frontiers</i> , 2022, 9, 462-470.	4.5	4
6	Promising Antiproliferative Compound From the Green Microalga <i>Dunaliella tertiolecta</i> Against Human Cancer Cells. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	9
7	Euglenatides, Potent Antiproliferative Cyclic Peptides Isolated from the Freshwater Photosynthetic Microalga <i>Euglena gracilis</i> . <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	9
8	Euglenatides, Potent Antiproliferative Cyclic Peptides Isolated from the Freshwater Photosynthetic Microalga <i>Euglena gracilis</i> . <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
9	Grapevine Xylem Sap Is a Potent Elicitor of Antibiotic Production in <i>Streptomyces</i> spp.. <i>Antibiotics</i> , 2022, 11, 672.	3.7	1
10	Jellyfish as an Alternative Source of Bioactive Antiproliferative Compounds. <i>Marine Drugs</i> , 2022, 20, 350.	4.6	4
11	Physicochemical characteristics and antiproliferative and antioxidant activities of Moroccan Zantaz honey rich in methyl syringate. <i>Food Chemistry</i> , 2021, 339, 128098.	8.2	24
12	One Pathway, Two Cyclic Non-Ribosomal Pentapeptides: Heterologous Expression of BE-18257 Antibiotics and Pentaminomycins from <i>Streptomyces cacaoi</i> CA-170360. <i>Microorganisms</i> , 2021, 9, 135.	3.6	6
13	Pentaminomycins F and G, Nonribosomal Peptides Containing 2-Pyridylalanine. <i>Journal of Natural Products</i> , 2021, 84, 1127-1134.	3.0	5
14	Biosynthesis and Heterologous Expression of Cacaoidin, the First Member of the Lanthidin Family of RiPPs. <i>Antibiotics</i> , 2021, 10, 403.	3.7	19
15	Antibacterial Activity of Moroccan Zantaz Honey and the Influence of Its Physicochemical Parameters Using Chemometric Tools. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4675.	2.5	4
16	Metabolomic Analysis of The Chemical Diversity of South Africa Leaf Litter Fungal Species Using an Epigenetic Culture-Based Approach. <i>Molecules</i> , 2021, 26, 4262.	3.8	2
17	Bioactive Natural Products in Actinobacteria Isolated in Rainwater From Storm Clouds Transported by Western Winds in Spain. <i>Frontiers in Microbiology</i> , 2021, 12, 773095.	3.5	12
18	Caerulines A and B, Flavonol Diacylglycosides from <i>Persea caerulea</i> . <i>ACS Omega</i> , 2021, 6, 32631-32636.	3.5	1

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19	New Sipanmycin Analogues Generated by Combinatorial Biosynthesis and Mutasynthesis Approaches Relying on the Substrate Flexibility of Key Enzymes in the Biosynthetic Pathway. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	10
20	Design of High-Throughput Screening of Natural Extracts to Identify Molecules Bypassing Primary Coenzyme Q Deficiency in <i>Saccharomyces cerevisiae</i> . <i>SLAS Discovery</i> , 2020, 25, 299-309.	2.7	3
21	New Napyradiomycin Analogues from <i>Streptomyces</i> sp. Strain CA-271078. <i>Marine Drugs</i> , 2020, 18, 22.	4.6	19
22	Viennamycins: Lipopeptides Produced by a <i>Streptomyces</i> sp.. <i>Journal of Natural Products</i> , 2020, 83, 2381-2389.	3.0	17
23	Krisynomycins, Imipenem Potentiators against Methicillin-Resistant <i>Staphylococcus aureus</i> , Produced by <i>Streptomyces canus</i> . <i>Journal of Natural Products</i> , 2020, 83, 2597-2606.	3.0	13
24	Strasseriolides A–D, A Family of Antiplasmodial Macrolides Isolated from the Fungus <i>Strasseria geniculata</i> CF-247251. <i>Organic Letters</i> , 2020, 22, 6709-6713.	4.6	14
25	Characterization of Actinomycetes Strains Isolated from the Intestinal Tract and Feces of the Larvae of the Longhorn Beetle <i>Cerambyx welensii</i> . <i>Microorganisms</i> , 2020, 8, 2013.	3.6	9
26	Extracts from Six Native Plants of the Yucatán Peninsula Hinder Mycelial Growth of <i>Fusarium equiseti</i> and <i>F. oxysporum</i> , Pathogens of <i>Capsicum chinense</i> . <i>Pathogens</i> , 2020, 9, 827.	2.8	4
27	Identification, Cloning and Heterologous Expression of the Gene Cluster Directing RES-701-3, -4 Lasso Peptides Biosynthesis from a Marine <i>Streptomyces</i> Strain. <i>Marine Drugs</i> , 2020, 18, 238.	4.6	11
28	Cacaoidin, First Member of the New Lanthidin RiPP Family. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12654-12658.	13.8	72
29	Cacaoidin, First Member of the New Lanthidin RiPP Family. <i>Angewandte Chemie</i> , 2020, 132, 12754-12758.	2.0	6
30	First evidence of anticancer and antimicrobial activity in Mediterranean mesopelagic species. <i>Scientific Reports</i> , 2020, 10, 4929.	3.3	20
31	Diketopiperazines and other bioactive compounds from bacterial symbionts of marine sponges. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 875-887.	1.7	16
32	Identification and Heterologous Expression of the Biosynthetic Gene Cluster Encoding the Lasso Peptide Humidimycin, a Caspofungin Activity Potentiator. <i>Antibiotics</i> , 2020, 9, 67.	3.7	15
33	Cytotoxicity and antiplasmodial activity of phenolic derivatives from <i>Albizia zygia</i> (DC.) J.F. Macbr. (Mimosaceae). <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 8.	2.7	14
34	Amphidinol 22, a New Cytotoxic and Antifungal Amphidinol from the Dinoflagellate <i>Amphidinium carterae</i> . <i>Marine Drugs</i> , 2019, 17, 385.	4.6	62
35	A Quorum-Sensing Inhibitor Strain of <i>Vibrio alginolyticus</i> Blocks Qs-Controlled Phenotypes in <i>Chromobacterium violaceum</i> and <i>Pseudomonas aeruginosa</i> . <i>Marine Drugs</i> , 2019, 17, 494.	4.6	21
36	Extending the Metabolite Diversity of the Endophyte <i>Dimorphosporicola tragani</i> . <i>Metabolites</i> , 2019, 9, 197.	2.9	18

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37	Molecular Identification of Selected Streptomyces Strains Isolated from Mexican Tropical Soils and their Anti-Candida Activity. International Journal of Environmental Research and Public Health, 2019, 16, 1913.	2.6	11
38	Desertomycin G, a New Antibiotic with Activity against Mycobacterium tuberculosis and Human Breast Tumor Cell Lines Produced by Streptomyces althoticus MSM3, Isolated from the Cantabrian Sea Intertidal Macroalgae Ulva sp.. Marine Drugs, 2019, 17, 114.	4.6	35
39	Structure elucidation and biosynthetic gene cluster analysis of caniferolides Aâ€“D, new bioactive 36-membered macrolides from the marine-derived <i>Streptomyces caniferus</i> CA-271066. Organic and Biomolecular Chemistry, 2019, 17, 2954-2971.	2.8	39
40	Antiprotozoan sesterterpenes and triterpenes isolated from two Ghanaian mushrooms. FÃ–toteropÃ–, 2018, 127, 341-348.	2.2	16
41	First identification of marine diatoms with anti-tuberculosis activity. Scientific Reports, 2018, 8, 2284.	3.3	51
42	Ultraviolet (IUV) and mass spectrometry (IMS) imaging for the deconvolution of microbial interactions. BMC Systems Biology, 2018, 12, 99.	3.0	8
43	The XRE-DUF397 Protein Pair, Scr1 and Scr2, Acts as a Strong Positive Regulator of Antibiotic Production in Streptomyces. Frontiers in Microbiology, 2018, 9, 2791.	3.5	12
44	Anthracimycin B, a Potent Antibiotic against Gram-Positive Bacteria Isolated from Cultures of the Deep-Sea Actinomycete Streptomyces cyaneofuscatus M-169. Marine Drugs, 2018, 16, 406.	4.6	34
45	Non-geminal Aliphatic Dihalogenation Pattern in Dichlorinated Diaporthins from <i>Hamigera fusca</i> NRRL 35721. Journal of Natural Products, 2018, 81, 1488-1492.	3.0	11
46	Fungal endophytes from arid areas of Andalusia: high potential sources for antifungal and antitumoral agents. Scientific Reports, 2018, 8, 9729.	3.3	28
47	Searching for Glycosylated Natural Products in Actinomycetes and Identification of Novel Macrolactams and Angucyclines. Frontiers in Microbiology, 2018, 9, 39.	3.5	25
48	Atmospheric Precipitations, Hailstone and Rainwater, as a Novel Source of Streptomyces Producing Bioactive Natural Products. Frontiers in Microbiology, 2018, 9, 773.	3.5	21
49	Phocoenamicins B and C, New Antibacterial Spirotetronates Isolated from a Marine Micromonospora sp.. Marine Drugs, 2018, 16, 95.	4.6	28
50	Cooperative Involvement of Glycosyltransferases in the Transfer of Amino Sugars during the Biosynthesis of the Macrolactam Sipanmycin by Streptomyces sp. Strain CS149. Applied and Environmental Microbiology, 2018, 84, .	3.1	14
51	MDN-0185, an Antiplasmodial Polycyclic Xanthone Isolated from <i>Micromonospora</i> sp. CA-256353. Journal of Natural Products, 2018, 81, 1687-1691.	3.0	12
52	Hormonemate Derivatives from <i>Dothiora</i> sp., an Endophytic Fungus. Journal of Natural Products, 2017, 80, 845-853.	3.0	10
53	Identification of the key excreted molecule by Lactobacillus fermentum related to host iron absorption. Food Chemistry, 2017, 228, 374-380.	8.2	59
54	Branimycins B and C, Antibiotics Produced by the Abyssal Actinobacterium <i>Pseudonocardia carboxydvorans</i> M-227. Journal of Natural Products, 2017, 80, 569-573.	3.0	46

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55	MASS Studio: A Novel Software Utility to Simplify LC-MS Analyses of Large Sets of Samples for Metabolomics. <i>Lecture Notes in Computer Science</i> , 2017, , 230-244.	1.3	2
56	Biodiversity and chemotaxonomy of <i>Preussia</i> isolates from the Iberian Peninsula. <i>Mycological Progress</i> , 2017, 16, 713-728.	1.4	33
57	Antifungal Long-Chain Alkenyl Sulphates Isolated from Culture Broths of the Fungus <i>Chaetopsina</i> sp.. <i>Planta Medica</i> , 2017, 83, 545-550.	1.3	3
58	Lobophorin K, a New Natural Product with Cytotoxic Activity Produced by <i>Streptomyces</i> sp. M-207 Associated with the Deep-Sea Coral <i>Lophelia pertusa</i> . <i>Marine Drugs</i> , 2017, 15, 144.	4.6	58
59	Paulomycin G, a New Natural Product with Cytotoxic Activity against Tumor Cell Lines Produced by Deep-Sea Sediment Derived <i>Micromonospora matsumotoense</i> M-412 from the Avilés Canyon in the Cantabrian Sea. <i>Marine Drugs</i> , 2017, 15, 271.	4.6	42
60	Time-Dependent Production of the Bioactive Peptides Endolides A and B and the Polyketide Mariline A from the Sponge-Derived Fungus <i>Stachylidium bicolor</i> 293K04. <i>Fermentation</i> , 2017, 3, 45.	3.0	5
61	A High-Throughput Screening Platform of Microbial Natural Products for the Discovery of Molecules with Antibiofilm Properties against <i>Salmonella</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 326.	3.5	33
62	Production of Ramoplanin and Ramoplanin Analogs by Actinomycetes. <i>Frontiers in Microbiology</i> , 2017, 8, 343.	3.5	19
63	Co-culturing of Fungal Strains Against <i>Botrytis cinerea</i> as a Model for the Induction of Chemical Diversity and Therapeutic Agents. <i>Frontiers in Microbiology</i> , 2017, 8, 649.	3.5	28
64	MDN-0170, a New Napyradiomycin from <i>Streptomyces</i> sp. Strain CA-271078. <i>Marine Drugs</i> , 2016, 14, 188.	4.6	28
65	Multicomponent Analysis of the Differential Induction of Secondary Metabolite Profiles in Fungal Endophytes. <i>Molecules</i> , 2016, 21, 234.	3.8	47
66	New Deferoxamine Glycoconjugates Produced upon Overexpression of Pathway-Specific Regulatory Gene in the Marine Sponge-Derived <i>Streptomyces albus</i> PVA94-07. <i>Molecules</i> , 2016, 21, 1131.	3.8	10
67	Combined LC/UV/MS and NMR Strategies for the Dereplication of Marine Natural Products. <i>Planta Medica</i> , 2016, 82, 857-871.	1.3	121
68	High-Throughput Screening Platform for the Discovery of New Immunomodulator Molecules from Natural Product Extract Libraries. <i>Journal of Biomolecular Screening</i> , 2016, 21, 567-578.	2.6	15
69	Discovery of New Compounds Active against <i>Plasmodium falciparum</i> by High Throughput Screening of Microbial Natural Products. <i>PLoS ONE</i> , 2016, 11, e0145812.	2.5	31
70	Efflux pump-deficient mutants as a platform to search for microbes that produce antibiotics. <i>Microbial Biotechnology</i> , 2015, 8, 716-725.	4.2	9
71	Identification of the Lipodepsipeptide MDN-0066, a Novel Inhibitor of VHL/HIF Pathway Produced by a New <i>Pseudomonas</i> Species. <i>PLoS ONE</i> , 2015, 10, e0125221.	2.5	37
72	Hitting the Caspofungin Salvage Pathway of Human-Pathogenic Fungi with the Novel Lasso Peptide Humidimycin (MDN-0010). <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5145-5153.	3.2	54

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73	High-Throughput Screening Platform for Natural Product-Based Drug Discovery Against 3 Neglected Tropical Diseases: Human African Trypanosomiasis, Leishmaniasis, and Chagas Disease. <i>Journal of Biomolecular Screening</i> , 2015, 20, 82-91.	2.6	70
74	Inhibition of Bacterial Quorum Sensing by Extracts from Aquatic Fungi: First Report from Marine Endophytes. <i>Marine Drugs</i> , 2014, 12, 5503-5526.	4.6	68
75	Chromomycin A2 Induces Autophagy in Melanoma Cells. <i>Marine Drugs</i> , 2014, 12, 5839-5855.	4.6	20
76	High-Content Screening of Natural Products Reveals Novel Nuclear Export Inhibitors. <i>Journal of Biomolecular Screening</i> , 2014, 19, 57-65.	2.6	26
77	Graminin B, a furanone from the fungus <i>Paraconiothyrium</i> sp.. <i>Journal of Antibiotics</i> , 2014, 67, 421-423.	2.0	22
78	<i>Pseudomonas soli</i> sp. nov., a novel producer of xantholysin congeners. <i>Systematic and Applied Microbiology</i> , 2014, 37, 412-416.	2.8	37
79	MDN-0104, an Antiplasmodial Betaine Lipid from <i>Heterospora chenopodii</i> . <i>Journal of Natural Products</i> , 2014, 77, 2118-2123.	3.0	66
80	Occurrence, distribution, dereplication and efficient discovery of thiazolyl peptides by sensitive-resistant pair screening. <i>Journal of Antibiotics</i> , 2013, 66, 599-607.	2.0	13
81	Kocurin, the True Structure of PM181104, an Anti-Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Thiazolyl Peptide from the Marine-Derived Bacterium <i>Kocuria palustris</i> . <i>Marine Drugs</i> , 2013, 11, 387-398.	4.6	69
82	Isolation, Structure, and Biological Activity of Phaeofungin, a Cyclic Lipodepsipeptide from a <i>Phaeosphaeria</i> sp. Using the Genome-Wide <i>Candida albicans</i> Fitness Test. <i>Journal of Natural Products</i> , 2013, 76, 334-345.	3.0	23
83	Sponge-Derived <i>Kocuria</i> and <i>Micrococcus</i> spp. as Sources of the New Thiazolyl Peptide Antibiotic Kocurin. <i>Marine Drugs</i> , 2013, 11, 1071-1086.	4.6	100
84	Kibdelomycin A, a congener of kibdelomycin, derivatives and their antibacterial activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 7127-7130.	2.2	30
85	Lasionectrin, a Naphthopyrone from <i>Lasionectria</i> sp.. <i>Journal of Natural Products</i> , 2012, 75, 1228-1230.	3.0	17
86	Isolation and Structural Elucidation of Cyclic Tetrapeptides from <i>Onychocola sclerotica</i> . <i>Journal of Natural Products</i> , 2012, 75, 1210-1214.	3.0	28
87	<i>Hypoxyton pulvicidum</i> sp. nov. (Ascomycota, Xylariales), a Pantropical Insecticide-Producing Endophyte. <i>PLoS ONE</i> , 2012, 7, e46687.	2.5	97
88	Chemical and Physical Modulation of Antibiotic Activity in <i>Emericella</i> Species. <i>Chemistry and Biodiversity</i> , 2012, 9, 1095-1113.	2.1	29
89	Prescreening bacterial colonies for bioactive molecules with Janus plates, a SBS standard double-faced microbial culturing system. <i>Antonie Van Leeuwenhoek</i> , 2012, 102, 361-374.	1.7	12
90	Current approaches to exploit actinomycetes as a source of novel natural products. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 375-389.	3.0	172

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91	Discovery of Kibdelomycin, A Potent New Class of Bacterial Type II Topoisomerase Inhibitor by Chemical-Genetic Profiling in <i>Staphylococcus aureus</i> . <i>Chemistry and Biology</i> , 2011, 18, 955-965.	6.0	160
92	Discovery of the parnafungins, antifungal metabolites that inhibit mRNA polyadenylation, from the <i>Fusarium larvarum</i> complex and other Hypocrealean fungi. <i>Mycologia</i> , 2009, 101, 449-472.	1.9	51
93	Distribution of the antifungal agents sordarins across filamentous fungi. <i>Mycological Research</i> , 2009, 113, 754-770.	2.5	53
94	A <i>Staphylococcus aureus</i> Fitness Test Platform for Mechanism-Based Profiling of Antibacterial Compounds. <i>Chemistry and Biology</i> , 2009, 16, 826-836.	6.0	98
95	Isolation and structure elucidation of parnafungins C and D, isoxazolidinone-containing antifungal natural products. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1224-1227.	2.2	28
96	Isolation, Structure Elucidation, and Biological Activity of Virgineone from <i>Lachnum virgineum</i> Using the Genome-Wide <i>Candida albicans</i> Fitness Test. <i>Journal of Natural Products</i> , 2009, 72, 136-141.	3.0	47
97	Bacterial diversity from benthic mats of Antarctic lakes as a source of new bioactive metabolites. <i>Marine Genomics</i> , 2009, 2, 33-41.	1.1	45
98	Ascription of poorly defined taxa to taxonomic entities using molecular phylogenies: a case study on <i>Nodulisporium</i> sp. producers of nodulisporic acid. <i>Mycotaxon</i> , 2009, 109, 443-460.	0.3	2
99	Enhancement of antibiotic and secondary metabolite detection from filamentous fungi by growth on nutritional arrays. <i>Journal of Applied Microbiology</i> , 2008, 104, 1644-1658.	3.1	107
100	High throughput metabolic stability screen for lead optimization in drug discovery. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 833, 165-173.	2.3	10
101	Automated Agar Plate Streaker: A Linear Plater on Society for Biomolecular Sciences Standard Plates. <i>Journal of Biomolecular Screening</i> , 2006, 11, 704-711.	2.6	6
102	Interpretation of High-throughput Liquid Chromatography Mass Spectrometry Data for Quality Control Analysis and Analytical Method Development. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2005, 8, 467-476.	1.1	3
103	Comparison of genotypic and phenotypic techniques for assessing the variability of the fungus <i>Epicoccum nigrum</i> . <i>Journal of Applied Microbiology</i> , 2002, 93, 36-45.	3.1	8
104	Evaluation of different PCR-based DNA fingerprinting techniques for assessing the genetic variability of isolates of the fungus <i>Epicoccum nigrum</i> . <i>Journal of Applied Microbiology</i> , 1999, 87, 898-906.	3.1	34