

Gloria Blanco Blanco

List of Publications by Year in descending order

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51
papers

1,553
citations

218592

26
h-index

315616

38
g-index

52
all docs

52
docs citations

52
times ranked

1520
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of <i>Streptomyces argillaceus</i> genes encoding a polyketide synthase involved in the biosynthesis of the antitumor mithramycin. <i>Gene</i> , 1996, 172, 87-91.	1.0	102
2	The Biosynthetic Gene Cluster for the β -Lactam Carbapenem Thienamycin in <i>Streptomyces cattleya</i> . <i>Chemistry and Biology</i> , 2003, 10, 301-311.	6.2	84
3	Identification of a sugar flexible glycosyltransferase from <i>Streptomyces olivaceus</i> , the producer of the antitumor polyketide elloramycin. <i>Chemistry and Biology</i> , 2001, 8, 253-263.	6.2	82
4	Rationally Designed Glycosylated Premithramycins: A Hybrid Aromatic Polyketides Using Genes from Three Different Biosynthetic Pathways. <i>Journal of the American Chemical Society</i> , 2002, 124, 6056-6062.	6.6	82
5	Oxidative cleavage of premithramycin B is one of the last steps in the biosynthesis of the antitumor drug mithramycin. <i>Chemistry and Biology</i> , 1999, 6, 19-30.	6.2	78
6	Novel Hybrid Tetracenomycins through Combinatorial Biosynthesis Using a Glycosyltransferase Encoded by the <i>elm</i> Genes in Cosmid 16F4 and Which Shows a Broad Sugar Substrate Specificity. <i>Journal of the American Chemical Society</i> , 1998, 120, 10596-10601.	6.6	64
7	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.	2.2	58
8	Deoxysugar Methylation during Biosynthesis of the Antitumor Polyketide Elloramycin by <i>Streptomyces olivaceus</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 18765-18774.	1.6	57
9	Two <i>Streptomyces</i> Species Producing Antibiotic, Antitumor, and Anti-Inflammatory Compounds Are Widespread Among Intertidal Macroalgae and Deep-Sea Coral Reef Invertebrates from the Central Cantabrian Sea. <i>Microbial Ecology</i> , 2015, 69, 512-524.	1.4	56
10	Identification of transcriptional activators for thienamycin and cephamycin C biosynthetic genes within the thienamycin gene cluster from <i>Streptomyces cattleya</i> . <i>Molecular Microbiology</i> , 2008, 69, 633-645.	1.2	46
11	Branimycins B and C, Antibiotics Produced by the Abyssal Actinobacterium <i>Pseudonocardia carboxydivorans</i> M-227. <i>Journal of Natural Products</i> , 2017, 80, 569-573.	1.5	46
12	Deciphering the biosynthetic origin of the aglycone of the aureolic acid group of anti-tumor agents. <i>Chemistry and Biology</i> , 1996, 3, 193-196.	6.2	42
13	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 Avil�s Canyon in the Cantabrian Sea. <i>Marine Drugs</i> , 2017, 15, 271.	2.2	42
14	Applying microsatellites to the management of farmed turbot stocks (<i>Scophthalmus maximus</i> L.) in hatcheries. <i>Aquaculture</i> , 2004, 241, 133-150.	1.7	39
15	Hybridization and DNA sequence analyses suggest an early evolutionary divergence of related biosynthetic gene sets encoding polyketide antibiotics and spore pigments in <i>Streptomyces</i> spp.. <i>Gene</i> , 1993, 130, 107-116.	1.0	37
16	Mitochondrial DNA and microsatellite genetic differentiation in the European anchovy <i>Engraulis encrasicolus</i> L.. <i>ICES Journal of Marine Science</i> , 2012, 69, 1357-1371.	1.2	35
17	Desertomycin G, a New Antibiotic with Activity against <i>Mycobacterium tuberculosis</i> and Human Breast Tumor Cell Lines Produced by <i>Streptomyces althioticus</i> MSM3, Isolated from the Cantabrian Sea Intertidal Macroalgae <i>Ulva</i> sp.. <i>Marine Drugs</i> , 2019, 17, 114.	2.2	35
18	Tetracenomycin M, a Novel Genetically Engineered Tetracenomycin Resulting from a Combination of Mithramycin and Tetracenomycin Biosynthetic Genes. <i>Chemistry - A European Journal</i> , 1997, 3, 1675-1678.	1.7	34

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19	Anthracycline B, a Potent Antibiotic against Gram-Positive Bacteria Isolated from Cultures of the Deep-Sea Actinomycete <i>Streptomyces cyaneofuscatus</i> M-169. <i>Marine Drugs</i> , 2018, 16, 406.	2.2	34
20	Synthesis of ribosomal proteins during growth of <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , 1994, 12, 375-385.	1.2	33
21	Pharmacological Potential of Phylogenetically Diverse Actinobacteria Isolated from Deep-Sea Coral Ecosystems of the Submarine Avil�s Canyon in the Cantabrian Sea. <i>Microbial Ecology</i> , 2017, 73, 338-352.	1.4	33
22	Assessment of parental contributions to fast- and slow-growing progenies in the sea bream <i>Sparus aurata</i> L. using a new multiplex PCR. <i>Aquaculture</i> , 2011, 314, 58-65.	1.7	32
23	Microsatellites and multiplex PCRs for assessing aquaculture practices of the grooved carpet shell <i>Ruditapes decussatus</i> in Spain. <i>Aquaculture</i> , 2014, 426-427, 49-59.	1.7	32
24	Activation and silencing of secondary metabolites in <i>Streptomyces albus</i> and <i>Streptomyces lividans</i> after transformation with cosmids containing the thienamycin gene cluster from <i>Streptomyces cattleya</i> . <i>Archives of Microbiology</i> , 2014, 196, 345-355.	1.0	31
25	New 3-Hydroxyquinaldic Acid Derivatives from Cultures of the Marine Derived Actinomycete <i>Streptomyces cyaneofuscatus</i> M-157. <i>Marine Drugs</i> , 2018, 16, 371.	2.2	31
26	Cloning and disruption of a fragment of <i>Streptomyces halstedii</i> DNA involved in the biosynthesis of a spore pigment. <i>Gene</i> , 1992, 112, 59-65.	1.0	28
27	Atmospheric Dispersal of Bioactive <i>Streptomyces albidoflavus</i> Strains Among Terrestrial and Marine Environments. <i>Microbial Ecology</i> , 2016, 71, 375-386.	1.4	25
28	Use of microsatellites and a combinatorial optimization approach in the acquisition of gilthead seabream (<i>Sparus aurata</i> L.) broodstocks for hatcheries. <i>Aquaculture</i> , 2007, 269, 200-210.	1.7	23
29	A parentage study using microsatellite loci in a pilot project for aquaculture of the European anchovy <i>Engraulis encrasicolus</i> L.. <i>Aquaculture</i> , 2011, 310, 305-311.	1.7	23
30	<i>Myceligenans cantabricum</i> sp. nov., a barotolerant actinobacterium isolated from a deep cold-water coral. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1328-1334.	0.8	23
31	Atmospheric Precipitations, Hailstone and Rainwater, as a Novel Source of <i>Streptomyces</i> Producing Bioactive Natural Products. <i>Frontiers in Microbiology</i> , 2018, 9, 773.	1.5	21
32	Folding of the polyketide chain is not dictated by minimal polyketide synthase in the biosynthesis of mithramycin and anthracycline. <i>Chemistry and Biology</i> , 1997, 4, 751-755.	6.2	19
33	Mutational Analysis of the Thienamycin Biosynthetic Gene Cluster from <i>Streptomyces cattleya</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 1638-1649.	1.4	17
34	Characterization of the gilthead seabream (<i>Sparus aurata</i> L.) transferrin gene: Genomic structure, constitutive expression and SNP variation. <i>Fish and Shellfish Immunology</i> , 2011, 31, 548-56.	1.6	14
35	Spatial and temporal variation of genetic diversity and estimation of effective population sizes in Atlantic salmon (<i>Salmo salar</i> , L.) populations from Asturias (Northern Spain) using microsatellites. <i>Conservation Genetics</i> , 2008, 9, 807-819.	0.8	12
36	Spatiotemporal genetic differentiation of Cuban natural populations of the pink shrimp <i>Farfantepenaeus notialis</i> . <i>Genetica</i> , 2008, 133, 283-294.	0.5	12

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37	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.	1.5	12
38	Cloning and sequence of a gene encoding the L7/L12 ribosomal protein equivalent of <i>Streptomyces antibioticus</i> . <i>Gene</i> , 1992, 118, 127-129.	1.0	10
39	Assessing the spawning season in common dentex (<i>Dentex dentex</i>) using microsatellites. <i>Aquaculture Research</i> , 2008, 39, 1258-1267.	0.9	9
40	Comparative analysis of a cryptic thienamycin-like gene cluster identified in <i>Streptomyces flavogriseus</i> by genome mining. <i>Archives of Microbiology</i> , 2012, 194, 549-555.	1.0	9
41	SNP-haplotypes: An accurate approach for parentage and relatedness inference in gilthead sea bream (<i>Sparus aurata</i>). <i>Aquaculture</i> , 2018, 495, 582-591.	1.7	9
42	Hybrid compounds generated by the introduction of a nogalamycin-producing plasmid into <i>Streptomyces argillaceus</i> . <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 1818-1825.	1.3	8
43	Phylogeographical lineages in brown trout (<i>Salmo trutta</i>): investigating microgeographical differentiation between native populations from Northern Spain. <i>Freshwater Biology</i> , 2002, 47, 1879-1892.	1.2	8
44	Spatial and temporal genetic analysis of the Cuban white shrimp <i>Penaeus (Litopenaeus) schmitti</i> . <i>Aquaculture</i> , 2007, 272, S125-S138.	1.7	6
45	Identification of a growth phase-dependent promoter in the <i>rplJL</i> operon of <i>Streptomyces coelicolor</i> A3(2). <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2001, 1517, 243-249.	2.4	5
46	Early assessment of gilthead sea bream (<i>Sparus aurata</i>) spawning dynamics by mini-broodstocks. <i>Aquaculture Research</i> , 2018, 49, 36-47.	0.9	5
47	Cloning, sequencing and transcriptional analysis of a <i>Streptomyces coelicolor</i> operon containing the <i>rplM</i> and <i>rpsL</i> genes encoding ribosomal proteins <i>ScoL13</i> and <i>ScoS9</i> . <i>Molecular Genetics and Genomics</i> , 1997, 257, 91-96.	2.4	3
48	Transcriptional organization of <i>ThnI</i> -regulated thienamycin biosynthetic genes in <i>Streptomyces cattleya</i> . <i>Journal of Antibiotics</i> , 2010, 63, 135-138.	1.0	3
49	The nucleotide sequence of the L10 equivalent ribosomal protein gene of <i>Streptomyces antibioticus</i> . <i>Nucleic Acids Research</i> , 1992, 20, 5223-5223.	6.5	2
50	Usefulness of microsatellite markers developed from <i>Pagellus bogaraveo</i> to genetically study five different species of Sparidae. <i>Marine Ecology</i> , 0, 28, 184-187.	0.4	2
51	Towards the Generation of Novel Antitumour Agents from Actinomycetes by Combinational Biosynthesis. <i>Focus on Biotechnology</i> , 2001, , 383-399.	0.4	0