

# Jose Antonio Julio Adolfo Salas Fernndez

## List of Publications by Year in descending order

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44  
papers

3,883  
citations

172207

29  
h-index

243296

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g-index

44  
all docs

44  
docs citations

44  
times ranked

4226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	3.9	715
2	Antitumor Compounds from Marine Actinomycetes. <i>Marine Drugs</i> , 2009, 7, 210-248.	2.2	256
3	Improving production of bioactive secondary metabolites in actinomycetes by metabolic engineering. <i>Metabolic Engineering</i> , 2008, 10, 281-292.	3.6	254
4	From The Cover: Combinatorial biosynthesis of antitumor indolocarbazole compounds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 461-466.	3.3	228
5	Activation and identification of five clusters for secondary metabolites in <i>Streptomyces albus</i> . <i>Microbial Biotechnology</i> , 2014, 7, 242-256.	2.0	190
6	Two glycosyltransferases and a glycosidase are involved in oleandomycin modification during its biosynthesis by <i>Streptomyces antibioticus</i> . <i>Molecular Microbiology</i> , 1998, 28, 1177-1185.	1.2	179
7	Altering the glycosylation pattern of bioactive compounds. <i>Trends in Biotechnology</i> , 2001, 19, 449-456.	4.9	161
8	Deciphering the Biosynthesis Pathway of the Antitumor Thiocoraline from a Marine Actinomycete and Its Expression in Two <i>Streptomyces</i> Species. <i>ChemBioChem</i> , 2006, 7, 366-376.	1.3	159
9	The aureolic acid family of antitumor compounds: structure, mode of action, biosynthesis, and novel derivatives. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 1-14.	1.7	149
10	Post-PKS tailoring steps in natural product-producing actinomycetes from the perspective of combinatorial biosynthesis. <i>Natural Product Reports</i> , 2010, 27, 571.	5.2	144
11	Engineering the glycosylation of natural products in actinomycetes. <i>Trends in Microbiology</i> , 2007, 15, 219-232.	3.5	132
12	Deciphering the late steps in the biosynthesis of the anti-tumour indolocarbazole staurosporine: sugar donor substrate flexibility of the StaG glycosyltransferase. <i>Molecular Microbiology</i> , 2005, 58, 17-27.	1.2	114
13	Reevaluation of the Violacein Biosynthetic Pathway and its Relationship to Indolocarbazole Biosynthesis. <i>ChemBioChem</i> , 2006, 7, 1231-1240.	1.3	101
14	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
15	Engineering Biosynthetic Pathways for Deoxysugars: Branched-Chain Sugar Pathways and Derivatives from the Antitumor Tetracenomycin. <i>Chemistry and Biology</i> , 2004, 11, 1709-1718.	6.2	73
16	A Novel Mithramycin Analogue with High Antitumor Activity and Less Toxicity Generated by Combinatorial Biosynthesis. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5813-5825.	2.9	71
17	Glycosyltransferases, Important Tools for Drug Design. <i>Current Topics in Medicinal Chemistry</i> , 2008, 8, 680-709.	1.0	70
18	Biosynthesis of the angiogenesis inhibitor borrelidin by <i>Streptomyces parvulus</i> TÅ¼4055: insights into nitrile formation. <i>Molecular Microbiology</i> , 2004, 52, 1745-1756.	1.2	67

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19	Deciphering Biosynthesis of the RNA Polymerase Inhibitor Streptolydigin and Generation of Glycosylated Derivatives. <i>Chemistry and Biology</i> , 2009, 16, 1031-1044.	6.2	65
20	Combining sugar biosynthesis genes for the generation of novel antitumor tetracenomycins. <i>Chemical Communications</i> , 2005, , 1604-1606.	2.2	57
21	Biosynthesis Pathways for Deoxysugars in Antibiotic-Producing Actinomycetes: Isolation, Characterization and Generation of Novel Glycosylated Derivatives. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2005, 9, 77-85.	1.0	55
22	Genome Mining of <i>Streptomyces</i> sp. 6176: Characterization of the Nataxazole Biosynthesis Pathway. <i>ChemBioChem</i> , 2015, 16, 1461-1473.	1.3	53
23	Uncovering production of specialized metabolites by <i>Streptomyces argillaceus</i> : Activation of cryptic biosynthesis gene clusters using nutritional and genetic approaches. <i>PLoS ONE</i> , 2018, 13, e0198145.	1.1	51
24	Caboxamycin biosynthesis pathway and identification of novel benzoxazoles produced by cross-talk in <i>Streptomyces</i> sp. NTK 937. <i>Microbial Biotechnology</i> , 2017, 10, 873-885.	2.0	49
25	Indolocarbazole antitumor compounds by combinatorial biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 152-160.	2.8	45
26	Deoxysugars in Bioactive Natural Products: Development of Novel Derivatives by Altering the Sugar Pattern. <i>Current Topics in Medicinal Chemistry</i> , 2008, 8, 710-724.	1.0	43
27	Glycosylated Derivatives of Steffimycin: Insights into the Role of the Sugar Moieties for the Biological Activity. <i>ChemBioChem</i> , 2008, 9, 624-633.	1.3	39
28	Identification by Genome Mining of a Type I Polyketide Gene Cluster from <i>Streptomyces argillaceus</i> Involved in the Biosynthesis of Pyridine and Piperidine Alkaloids Argimycins P. <i>Frontiers in Microbiology</i> , 2017, 8, 194.	1.5	34
29	Characterization and engineering of the biosynthesis gene cluster for antitumor macrolides PM100117 and PM100118 from a marine actinobacteria: generation of a novel improved derivative. <i>Microbial Cell Factories</i> , 2016, 15, 44.	1.9	30
30	Molecular insights on the biosynthesis of antitumor compounds by actinomycetes. <i>Microbial Biotechnology</i> , 2011, 4, 144-164.	2.0	28
31	New insights into paulomycin biosynthesis pathway in <i>Streptomyces albus</i> J1074 and generation of novel derivatives by combinatorial biosynthesis. <i>Microbial Cell Factories</i> , 2016, 15, 56.	1.9	27
32	Searching for Glycosylated Natural Products in Actinomycetes and Identification of Novel Macrolactams and Angucyclines. <i>Frontiers in Microbiology</i> , 2018, 9, 39.	1.5	25
33	Biosynthesis of the RNA Polymerase Inhibitor Streptolydigin in <i>Streptomyces lydicus</i> : Tailoring Modification of 3-Methyl-Aspartate. <i>Journal of Bacteriology</i> , 2011, 193, 2647-2651.	1.0	24
34	Elucidation of the glycosylation steps during biosynthesis of antitumor macrolides PM100117 and PM100118 and engineering for novel derivatives. <i>Microbial Cell Factories</i> , 2016, 15, 187.	1.9	15
35	Novel Bioactive Paulomycin Derivatives Produced by <i>Streptomyces albus</i> J1074. <i>Molecules</i> , 2017, 22, 1758.	1.7	14
36	Cooperative Involvement of Glycosyltransferases in the Transfer of Amino Sugars during the Biosynthesis of the Macrolactam Sipanmycin by <i>Streptomyces</i> sp. Strain CS149. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	14

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37	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.	1.4	13
38	Identification of Antimicrobial Compounds in Two <i>Streptomyces</i> sp. Strains Isolated From Beehives. <i>Frontiers in Microbiology</i> , 2022, 13, 742168.	1.5	13
39	Chapter 11 Sugar Biosynthesis and Modification. <i>Methods in Enzymology</i> , 2009, 458, 277-308.	0.4	12
40	Characterization of the Jomthonic Acids Biosynthesis Pathway and Isolation of Novel Analogues in <i>Streptomyces caniferus</i> GUA-06-05-006A. <i>Marine Drugs</i> , 2018, 16, 259.	2.2	10
41	Generation by mutasynthesis of potential neuroprotectant derivatives of the bipyridyl collismycin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5707-5709.	1.0	8
42	A Multidisciplinary Approach to Unraveling the Natural Product Biosynthetic Potential of a <i>Streptomyces</i> Strain Collection Isolated from Leaf-Cutting Ants. <i>Microorganisms</i> , 2021, 9, 2225.	1.6	7
43	Draft Genome Sequence of Marine Actinomycete <i>Streptomyces</i> sp. Strain NTK 937, Producer of the Benzoxazole Antibiotic Caboxamycin. <i>Genome Announcements</i> , 2014, 2, .	0.8	4
44	Participation of putative glycoside hydrolases <i>SlgC</i> 1 and <i>SlgC</i> 2 in the biosynthesis of streptolydigin in <i>Streptomyces lydicus</i> . <i>Microbial Biotechnology</i> , 2012, 5, 663-667.	2.0	3