

# Carmen Mndez

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180  
papers

8,357  
citations

52  
h-index

83  
g-index

189  
ext. papers

9,122  
ext. citations

6.4  
avg, IF

5.61  
L-index

#	Paper	IF	Citations
180	Colibrimycins, novel halogenated hybrid PKS-NRPS compounds produced by sp. CS147. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , AEM0183921	4.8	1
179	Genetic Engineering in Combination with Semi-Synthesis Leads to a New Route for Gram-Scale Production of the Immunosuppressive Natural Product Brasilicardin A. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 13536-13541	16.4	4
178	Genetic Engineering in Combination with Semi-Synthesis Leads to a New Route for Gram-Scale Production of the Immunosuppressive Natural Product Brasilicardin A. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13648-13653	3.6	
177	A novel LysR-type regulator negatively affects biosynthesis of the immunosuppressant brasilicardin. <i>Engineering in Life Sciences</i> , <b>2021</b> , 21, 4-18	3.4	
176	Heterologous reconstitution of the biosynthesis pathway for 4-demethyl-premithramycinone, the aglycon of antitumor polyketide mithramycin. <i>Microbial Cell Factories</i> , <b>2020</b> , 19, 111	6.4	3
175	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> , <b>2020</b> , 86,	4.8	7
174	Discovery of Cryptic Largimycins in Reveals Novel Biosynthetic Avenues Enriching the Structural Diversity of the Leinamycin Family. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 1541-1553	4.9	6
173	Searching for Glycosylated Natural Products in Actinomycetes and Identification of Novel Macrolactams and Angucyclines. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 39	5.7	15
172	New Insights into the Biosynthesis Pathway of Polyketide Alkaloid Argimycins P in. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 252	5.7	12
171	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> , <b>2018</b> , 84,	4.8	9
170	Characterization of the Jomthonic Acids Biosynthesis Pathway and Isolation of Novel Analogues in GUA-06-05-006A. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	7
169	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> , <b>2018</b> , 13, e0198145	3.7	28
168	Caboxamycin biosynthesis pathway and identification of novel benzoxazoles produced by cross-talk in <i>Streptomyces</i> sp. NTK 937. <i>Microbial Biotechnology</i> , <b>2017</b> , 10, 873-885	6.3	22
167	Exploring the biocombinatorial potential of benzoxazoles: generation of novel caboxamycin derivatives. <i>Microbial Cell Factories</i> , <b>2017</b> , 16, 93	6.4	4
166	Novel Bioactive Paulomycin Derivatives Produced by <i>Streptomyces albus</i> J1074. <i>Molecules</i> , <b>2017</b> , 22,	4.8	4
165	Identification by Genome Mining of a Type I Polyketide Gene Cluster from Involved in the Biosynthesis of Pyridine and Piperidine Alkaloids Argimycins P. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 194	5.7	22
164	Increasing antibiotic production yields by favoring the biosynthesis of precursor metabolites glucose-1-phosphate and/or malonyl-CoA in <i>Streptomyces</i> producer strains. <i>Journal of Antibiotics</i> , <b>2016</b> , 69, 179-82	3.7	10

163	Laccase-catalysed biotransformation of collismycin derivatives. A novel enzymatic approach for the cleavage of oximes. <i>Green Chemistry</i> , <b>2016</b> , 18, 989-994	10	12
162	Elucidation of the glycosylation steps during biosynthesis of antitumor macrolides PM100117 and PM100118 and engineering for novel derivatives. <i>Microbial Cell Factories</i> , <b>2016</b> , 15, 187	6.4	15
161	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> , <b>2016</b> , 15, 44	6.4	21
160	High-Quality Draft Genome Sequence of the Actinobacterium <i>Nocardia terpenica</i> IFM 0406, Producer of the Immunosuppressant Brasilicardins, Using Illumina and PacBio Technologies. <i>Genome Announcements</i> , <b>2016</b> , 4,		12
159	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> , <b>2016</b> , 15, 56	6.4	21
158	Genome Mining of <i>Streptomyces</i> sp. T16176: Characterization of the Nataxazole Biosynthesis Pathway. <i>ChemBioChem</i> , <b>2015</b> , 16, 1461-73	3.8	35
157	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , <b>2015</b> , 11, 625-31	11.7	498
156	Transcriptional regulation of mithramycin biosynthesis in <i>Streptomyces argillaceus</i> : dual role as activator and repressor of the PadR-like regulator MtrY. <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 272-284	2.9	16
155	Expanding the Chemical Diversity of the Antitumoral Compound Mithramycin by Combinatorial Biosynthesis and Biocatalysis: The Quest for Mithralogs with Improved Therapeutic Window. <i>Planta Medica</i> , <b>2015</b> , 81, 1326-38	3.1	25
154	Crosstalk of Nataxazole Pathway with Chorismate-Derived Ionophore Biosynthesis Pathways in <i>Streptomyces</i> sp. T16176. <i>ChemBioChem</i> , <b>2015</b> , 16, 1925-1932	3.8	5
153	Collismycin A biosynthesis in <i>Streptomyces</i> sp. CS40 is regulated by iron levels through two pathway-specific regulators. <i>Microbiology (United Kingdom)</i> , <b>2014</b> , 160, 467-478	2.9	10
152	Activation and identification of five clusters for secondary metabolites in <i>Streptomyces albus</i> J1074. <i>Microbial Biotechnology</i> , <b>2014</b> , 7, 242-56	6.3	152
151	Draft Genome Sequence of Marine Actinomycete <i>Streptomyces</i> sp. Strain NTK 937, Producer of the Benzoxazole Antibiotic Caboxamycin. <i>Genome Announcements</i> , <b>2014</b> , 2,		4
150	Harnessing Sugar Biosynthesis and Glycosylation to Redesign Natural Products and to Increase Structural Diversity <b>2014</b> , 317-339		3
149	Strategies for the Design and Discovery of Novel Antibiotics using Genetic Engineering and Genome Mining <b>2014</b> , 1-25		3
148	Generation by mutasynthesis of potential neuroprotectant derivatives of the bipyridyl collismycin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 5707-9	2.9	7
147	Engineering precursor metabolite pools for increasing production of antitumor mithramycins in <i>Streptomyces argillaceus</i> . <i>Metabolic Engineering</i> , <b>2013</b> , 20, 187-97	9.7	57
146	Engineering the biosynthesis of the polyketide-nonribosomal peptide collismycin A for generation of analogs with neuroprotective activity. <i>Chemistry and Biology</i> , <b>2013</b> , 20, 1022-32		25

145	High level of antibiotic production in a double polyphosphate kinase and phosphate-binding protein mutant of <i>Streptomyces lividans</i> . <i>FEMS Microbiology Letters</i> , <b>2013</b> , 342, 123-9	2.9	5
144	Ketoolivosyl-tetracenomycin C: a new ketosugar bearing tetracenomycin reveals new insight into the substrate flexibility of glycosyltransferase ElmGT. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 2247-50	2.9	8
143	Lipase-catalyzed preparation of chromomycin A analogues and biological evaluation for anticancer activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 4310-3	2.9	1
142	Participation of putative glycoside hydrolases SlgC1 and SlgC2 in the biosynthesis of streptolydigin in <i>Streptomyces lydicus</i> . <i>Microbial Biotechnology</i> , <b>2012</b> , 5, 663-7	6.3	3
141	Novel compounds produced by <i>Streptomyces lydicus</i> NRRL 2433 engineered mutants altered in the biosynthesis of streptolydigin. <i>Journal of Antibiotics</i> , <b>2012</b> , 65, 341-8	3.7	14
140	Novel mithramycins abrogate the involvement of protein factors in the transcription of cell cycle control genes. <i>Biochemical Pharmacology</i> , <b>2012</b> , 84, 1133-42	6	16
139	A novel mithramycin analogue with high antitumor activity and less toxicity generated by combinatorial biosynthesis. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 5813-25	8.3	62
138	Regioselective Enzymatic Acylation of Aureolic Acids to Obtain Novel Analogues with Improved Antitumor Activity. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 1500-1508	5.6	4
137	Elucidating the biosynthetic pathway for the polyketide-nonribosomal peptide collismycin A: mechanism for formation of the 2,2Rbipyridyl ring. <i>Chemistry and Biology</i> , <b>2012</b> , 19, 399-413		35
136	Three pathway-specific regulators control streptolydigin biosynthesis in <i>Streptomyces lydicus</i> . <i>Microbiology (United Kingdom)</i> , <b>2012</b> , 158, 2504-2514	2.9	13
135	The chromomycin CmmA acetyltransferase: a membrane-bound enzyme as a tool for increasing structural diversity of the antitumour mithramycin. <i>Microbial Biotechnology</i> , <b>2011</b> , 4, 226-38	6.3	20
134	Molecular insights on the biosynthesis of antitumour compounds by actinomycetes. <i>Microbial Biotechnology</i> , <b>2011</b> , 4, 144-64	6.3	26
133	Characterization of P2Y receptors mediating ATP induced relaxation in guinea pig airway smooth muscle: involvement of prostaglandins and K <sup>+</sup> channels. <i>Pflügers Archiv European Journal of Physiology</i> , <b>2011</b> , 462, 573-85	4.6	10
132	Characterization of the terminal activation step catalyzed by oxygenase CmmOIV of the chromomycin biosynthetic pathway from <i>Streptomyces griseus</i> . <i>Biochemistry</i> , <b>2011</b> , 50, 1421-8	3.2	4
131	Engineered biosynthesis of gilvocarcin analogues with altered deoxyhexopyranose moieties. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 435-41	4.8	29
130	Mutational analysis of the thienamycin biosynthetic gene cluster from <i>Streptomyces cattleya</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 1638-49	5.9	15
129	Biosynthesis of the RNA polymerase inhibitor streptolydigin in <i>Streptomyces lydicus</i> : tailoring modification of 3-methyl-aspartate. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 2647-51	3.5	24
128	Amino acid precursor supply in the biosynthesis of the RNA polymerase inhibitor streptolydigin by <i>Streptomyces lydicus</i> . <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 4214-23	3.5	23

127	Transcriptional organization of ThnI-regulated thienamycin biosynthetic genes in <i>Streptomyces cattleya</i> . <i>Journal of Antibiotics</i> , <b>2010</b> , 63, 135-8	3.7	3
126	Involvement of the beta subunit of RNA polymerase in resistance to streptolydigin and streptovaricin in the producer organisms <i>Streptomyces lydicus</i> and <i>Streptomyces spectabilis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 1684-92	5.9	13
125	Post-PKS tailoring steps in natural product-producing actinomycetes from the perspective of combinatorial biosynthesis. <i>Natural Product Reports</i> , <b>2010</b> , 27, 571-616	15.1	130
124	Cellular response and activation of apoptosis by mithramycin SK in p21(WAF1)-deficient HCT116 human colon carcinoma cells. <i>Cancer Letters</i> , <b>2010</b> , 292, 80-90	9.9	11
123	DNA binding characteristics of mithramycin and chromomycin analogues obtained by combinatorial biosynthesis. <i>Biochemistry</i> , <b>2010</b> , 49, 10543-52	3.2	46
122	Differential inhibition of restriction enzyme cleavage by chromophore-modified analogues of the antitumour antibiotics mithramycin and chromomycin reveals structure-activity relationships. <i>Biochemical Pharmacology</i> , <b>2010</b> , 79, 1418-27	6	11
121	Modulation of deoxysugar transfer by the elloramycin glycosyltransferase ElmGT through site-directed mutagenesis. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 2871-5	3.5	14
120	Elucidation of oxygenation steps during oviedomycin biosynthesis and generation of derivatives with increased antitumor activity. <i>ChemBioChem</i> , <b>2009</b> , 10, 296-303	3.8	28
119	Indolocarbazole antitumour compounds by combinatorial biosynthesis. <i>Current Opinion in Chemical Biology</i> , <b>2009</b> , 13, 152-60	9.7	41
118	Deciphering biosynthesis of the RNA polymerase inhibitor streptolydigin and generation of glycosylated derivatives. <i>Chemistry and Biology</i> , <b>2009</b> , 16, 1031-44		57
117	Reactome array: forging a link between metabolome and genome. <i>Science</i> , <b>2009</b> , 326, 252-7	33.3	30
116	Chapter 11. Sugar biosynthesis and modification. <i>Methods in Enzymology</i> , <b>2009</b> , 458, 277-307	1.7	11
115	Generation of potent and selective kinase inhibitors by combinatorial biosynthesis of glycosylated indolocarbazoles. <i>Chemical Communications</i> , <b>2009</b> , 4118-20	5.8	46
114	Antitumor compounds from marine actinomycetes. <i>Marine Drugs</i> , <b>2009</b> , 7, 210-48	6	217
113	Antitumor compounds from actinomycetes: from gene clusters to new derivatives by combinatorial biosynthesis. <i>Natural Product Reports</i> , <b>2009</b> , 26, 628-60	15.1	93
112	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> , <b>2008</b> , 69, 633-45	4.1	43
111	Mithramycin analogues generated by combinatorial biosynthesis show improved bioactivity. <i>Journal of Natural Products</i> , <b>2008</b> , 71, 199-207	4.9	47
110	Glycosyltransferases, important tools for drug design. <i>Current Topics in Medicinal Chemistry</i> , <b>2008</b> , 8, 680-709	3	66

109	Mithramycin SK modulates polyploidy and cell death in colon carcinoma cells. <i>Molecular Cancer Therapeutics</i> , <b>2008</b> , 7, 2988-97	6.1	22
108	Biosynthesis of elloramycin in <i>Streptomyces olivaceus</i> requires glycosylation by enzymes encoded outside the aglycon cluster. <i>Microbiology (United Kingdom)</i> , <b>2008</b> , 154, 781-788	2.9	34
107	Deoxysugars in bioactive natural products: development of novel derivatives by altering the sugar pattern. <i>Current Topics in Medicinal Chemistry</i> , <b>2008</b> , 8, 710-24	3	39
106	Glycosylated derivatives of steffimycin: insights into the role of the sugar moieties for the biological activity. <i>ChemBioChem</i> , <b>2008</b> , 9, 624-33	3.8	39
105	Generation of new derivatives of the antitumor antibiotic mithramycin by altering the glycosylation pattern through combinatorial biosynthesis. <i>ChemBioChem</i> , <b>2008</b> , 9, 2295-304	3.8	44
104	Improving production of bioactive secondary metabolites in actinomycetes by metabolic engineering. <i>Metabolic Engineering</i> , <b>2008</b> , 10, 281-92	9.7	226
103	Involvement of a chromomycin ABC transporter system in secretion of a deacetylated precursor during chromomycin biosynthesis. <i>Microbiology (United Kingdom)</i> , <b>2007</b> , 153, 3061-3070	2.9	33
102	Entropically-driven binding of mithramycin in the minor groove of C/G-rich DNA sequences. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 2215-26	20.1	42
101	Engineering the glycosylation of natural products in actinomycetes. <i>Trends in Microbiology</i> , <b>2007</b> , 15, 219-32	12.4	108
100	Insights in the glycosylation steps during biosynthesis of the antitumor anthracycline cosmomycin: characterization of two glycosyltransferase genes. <i>Applied Microbiology and Biotechnology</i> , <b>2006</b> , 73, 122-31	5.7	22
99	The aureolic acid family of antitumor compounds: structure, mode of action, biosynthesis, and novel derivatives. <i>Applied Microbiology and Biotechnology</i> , <b>2006</b> , 73, 1-14	5.7	129
98	Separation of anti-angiogenic and cytotoxic activities of borrelidin by modification at the C17 side chain. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 5814-7	2.9	35
97	Deciphering the biosynthesis pathway of the antitumor thiocoraline from a marine actinomycete and its expression in two streptomyces species. <i>ChemBioChem</i> , <b>2006</b> , 7, 366-76	3.8	146
96	Reevaluation of the violacein biosynthetic pathway and its relationship to indolocarbazole biosynthesis. <i>ChemBioChem</i> , <b>2006</b> , 7, 1231-40	3.8	82
95	Deoxysugar transfer during chromomycin A3 biosynthesis in <i>Streptomyces griseus</i> subsp. <i>griseus</i> : new derivatives with antitumor activity. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 167-77	4.8	40
94	Combinatorial biosynthesis of antitumor deoxysugar pathways in <i>Streptomyces griseus</i> : Reconstitution of "unnatural natural gene clusters" for the biosynthesis of four 2,6-D-dideoxyhexoses. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 6644-52	4.8	42
93	Isolation, characterization, and heterologous expression of the biosynthesis gene cluster for the antitumor anthracycline steffimycin. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 4172-83	4.8	92
92	Biosynthesis of the angiogenesis inhibitor borrelidin: directed biosynthesis of novel analogues. <i>Chemical Communications</i> , <b>2006</b> , 2341-3	5.8	37



91	Indolocarbazole natural products: occurrence, biosynthesis, and biological activity. <i>Natural Product Reports</i> , <b>2006</b> , 23, 1007-45	15.1	305
90	Metabolic engineering of the heterologous production of clorobiocin derivatives and elloramycin in <i>Streptomyces coelicolor</i> M512. <i>Metabolic Engineering</i> , <b>2006</b> , 8, 653-61	9.7	24
89	Engineering biosynthetic pathways to generate antitumor indolocarbazole derivatives. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2006</b> , 33, 560-8	4.2	38
88	Identification of the function of gene lndM2 encoding a bifunctional oxygenase-reductase involved in the biosynthesis of the antitumor antibiotic landomycin E by <i>Streptomyces globisporus</i> 1912 supports the originally assigned structure for landomycinone. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 631-8	4.2	51
87	Combining sugar biosynthesis genes for the generation of L- and D-amicitose and formation of two novel antitumor tetracenomycins. <i>Chemical Communications</i> , <b>2005</b> , 1604-6	5.8	48
86	Biosynthesis pathways for deoxysugars in antibiotic-producing actinomycetes: isolation, characterization and generation of novel glycosylated derivatives. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2005</b> , 9, 77-85	0.9	52
85	Recombinant Microorganisms for the Biosynthesis of Glycosylated Antitumor Compounds <b>2005</b> , 131-148		1
84	A regioselective tryptophan 5-halogenase is involved in pyrroindomycin biosynthesis in <i>Streptomyces rugosporus</i> LL-42D005. <i>Chemistry and Biology</i> , <b>2005</b> , 12, 445-52		144
83	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> , <b>2005</b> , 58, 17-27 <sup>4.1</sup>		99
82	Elucidation of the glycosylation sequence of mithramycin biosynthesis: isolation of 3A-deoliviosylpremithramycin B and its conversion to premithramycin B by glycosyltransferase MtmGII. <i>ChemBioChem</i> , <b>2005</b> , 6, 632-6	3.8	23
81	Combinatorial biosynthesis of antitumor indolocarbazole compounds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 461-6	11.5	211
80	Engineering glycosylation in bioactive compounds by combinatorial biosynthesis. <i>Ernst Schering Research Foundation Workshop</i> , <b>2005</b> , 127-46		5
79	Tailoring modification of deoxysugars during biosynthesis of the antitumour drug chromomycin A by <i>Streptomyces griseus</i> ssp. <i>griseus</i> . <i>Molecular Microbiology</i> , <b>2004</b> , 53, 903-15	4.1	40
78	Biosynthesis of the angiogenesis inhibitor borrelidin by <i>Streptomyces parvulus</i> T4055: insights into nitrile formation. <i>Molecular Microbiology</i> , <b>2004</b> , 52, 1745-56	4.1	58
77	Genetic organization of the biosynthetic gene cluster for the antitumor angucycline oviedomycin in <i>Streptomyces antibioticus</i> ATCC 11891. <i>ChemBioChem</i> , <b>2004</b> , 5, 1181-7	3.8	45
76	Biosynthesis of the antitumor chromomycin A3 in <i>Streptomyces griseus</i> : analysis of the gene cluster and rational design of novel chromomycin analogs. <i>Chemistry and Biology</i> , <b>2004</b> , 11, 21-32		41
75	Biosynthesis of the angiogenesis inhibitor borrelidin by <i>Streptomyces parvulus</i> T4055: cluster analysis and assignment of functions. <i>Chemistry and Biology</i> , <b>2004</b> , 11, 87-97		57
74	Generation of new landomycins by combinatorial biosynthetic manipulation of the lndGT4 gene of the landomycin E cluster in <i>S. globisporus</i> . <i>Chemistry and Biology</i> , <b>2004</b> , 11, 547-55		59

73	Engineering biosynthetic pathways for deoxysugars: branched-chain sugar pathways and derivatives from the antitumor tetracenomyacin. <i>Chemistry and Biology</i> , <b>2004</b> , 11, 1709-18		64
72	Biosynthesis of the Antitumor Chromomycin A3 in <i>Streptomyces griseus</i> Analysis of the Gene Cluster and Rational Design of Novel Chromomycin Analogs. <i>Chemistry and Biology</i> , <b>2004</b> , 11, 21-32		35
71	DNA-binding properties of cosmomycin D, an anthracycline with two trisaccharide chains. <i>Journal of Antibiotics</i> , <b>2004</b> , 57, 647-54	3.7	20
70	Production of landomycins in <i>Streptomyces globisporus</i> 1912 and <i>S. cyanogenus</i> S136 is regulated by genes encoding putative transcriptional activators. <i>FEMS Microbiology Letters</i> , <b>2003</b> , 222, 149-53	2.9	43
69	The biosynthetic gene cluster for the beta-lactam carbapenem thienamycin in <i>Streptomyces cattleya</i> . <i>Chemistry and Biology</i> , <b>2003</b> , 10, 301-11		78
68	Mithramycin SK, a novel antitumor drug with improved therapeutic index, mithramycin SA, and demycarosyl-mithramycin SK: three new products generated in the mithramycin producer <i>Streptomyces argillaceus</i> through combinatorial biosynthesis. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 5745-53	16.4	108
67	Evidence from engineered gene fusions for the repeated use of a module in a modular polyketide synthase. <i>Chemical Communications</i> , <b>2003</b> , 2780-2	5.8	58
66	On the generation of novel anticancer drugs by recombinant DNA technology: the use of combinatorial biosynthesis to produce novel drugs. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2003</b> , 6, 513-26	1.3	21
65	The biosynthetic gene cluster for the antitumor rebeccamycin: characterization and generation of indolocarbazole derivatives. <i>Chemistry and Biology</i> , <b>2002</b> , 9, 519-31		172
64	Engineering deoxysugar biosynthetic pathways from antibiotic-producing microorganisms. A tool to produce novel glycosylated bioactive compounds. <i>Chemistry and Biology</i> , <b>2002</b> , 9, 721-9		94
63	Engineering specificity of starter unit selection by the erythromycin-producing polyketide synthase. <i>Molecular Microbiology</i> , <b>2002</b> , 43, 1215-25	4.1	70
62	Parallel pathways for oxidation of 14-membered polyketide macrolactones in <i>Saccharopolyspora erythraea</i> . <i>Molecular Microbiology</i> , <b>2002</b> , 44, 771-81	4.1	28
61	Oviedomycin, an unusual angucyclinone encoded by genes of the oleandomycin-producer <i>Streptomyces antibioticus</i> ATCC11891. <i>Journal of Natural Products</i> , <b>2002</b> , 65, 779-82	4.9	29
60	Digitoxosyltetracenomyacin C and glucosyltetracenomyacin C, two novel elloramycin analogues obtained by exploring the sugar donor substrate specificity of glycosyltransferase ElmGT. <i>Journal of Natural Products</i> , <b>2002</b> , 65, 1685-9	4.9	43
59	Ketopremithramycins and ketomithramycins, four new aureolic acid-type compounds obtained upon inactivation of two genes involved in the biosynthesis of the deoxysugar moieties of the antitumor drug mithramycin by <i>Streptomyces argillaceus</i> , reveal novel insights into post-PKS tailoring steps of the mithramycin biosynthetic pathway. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 6056-62	16.4	59
58	Rationally designed glycosylated premithramycins: hybrid aromatic polyketides using genes from three different biosynthetic pathways. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 6056-62	16.4	74
57	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> , <b>2002</b> , 1818-1825		4
56	Identification of a sugar flexible glycosyltransferase from <i>Streptomyces olivaceus</i> , the producer of the antitumor polyketide elloramycin. <i>Chemistry and Biology</i> , <b>2001</b> , 8, 253-63		76



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