Jurgen Rohr

List of Publications by Year
in descending order

193	9,029	31976	60623
papers	citations	53 h-index	81 g-index

200	200	200	4959
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Angucycline group antibiotics. Natural Product Reports, 1992, 9, 103.	10.3	397
2	Angucyclines: Biosynthesis, mode-of-action, new natural products, and synthesis. Natural Product Reports, 2012, 29, 264-325.	10.3	280
3	Modification of post-PKS tailoring steps through combinatorial biosynthesis. Natural Product Reports, 2002, 19, 542-580.	10.3	247
4	From The Cover: Combinatorial biosynthesis of antitumor indolocarbazole compounds. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 461-466.	7.1	228
5	The Biosynthetic Gene Cluster for the Antitumor Rebeccamycin. Chemistry and Biology, 2002, 9, 519-531.	6.0	198
6	Chemical and biochemical aspects of deoxysugars and deoxysugar oligosaccharides. Topics in Current Chemistry, 1997, , 1-84.	4.0	170
7	Angucyclines: Total syntheses, new structures, and biosynthetic studies of an emerging new class of antibiotics. Topics in Current Chemistry, 1997, , 127-195.	4.0	156
8	Metabolic products of microorganisms. 234 Urdamycins, new angucycline antibiotics from Streptomyces fradiae. I Isolation, characterization and biological properties.. Journal of Antibiotics, 1986, 39, 1657-1669.	2.0	122
9	Facile Chemoenzymatic Strategies for the Synthesis and Utilization of Sâ€Adenosylâ€<scp>L</scp>â€Methionine Analogues. Angewandte Chemie - International Edition, 2014, 53, 3965-3969.	13.8	120
10	Mithramycin SK, A Novel Antitumor Drug with Improved Therapeutic Index, Mithramycin SA, and Demycarosyl-mithramycin SK:Â Three New Products Generated in the Mithramycin ProducerStreptomycesargillaceusthrough Combinatorial Biosynthesis. Journal of the American Chemical Society, 2003, 125, 5745-5753.	13.7	118
11	Landomycins, new angucycline antibiotics from Streptomyces sp. I. Structural studies on landomycins A-D.. Journal of Antibiotics, 1990, 43, 492-503.	2.0	117
12	Arginine-rhamnosylation as new strategy to activate translation elongation factor P. Nature Chemical Biology, 2015, 11, 266-270.	8.0	116
13	Deciphering the late steps in the biosynthesis of the anti-tumour indolocarbazole staurosporine: sugar donor substrate flexibility of the StaG glycosyltransferase. Molecular Microbiology, 2005, 58, 17-27.	2.5	114
14	Mithramycin Is a Gene-Selective Sp1 Inhibitor That Identifies a Biological Intersection between Cancer and Neurodegeneration. Journal of Neuroscience, 2011, 31, 6858-6870.	3.6	114
15	A New Role for Polyketides. Angewandte Chemie - International Edition, 2000, 39, 2847-2849.	13.8	108
16	An Audience Response System Strategy to Improve Student Motivation, Attention, and Feedback. American Journal of Pharmaceutical Education, 2009, 73, 21.	2.1	108
17	Characterization of Kinetics and Products of the Baeyerâ€“Villiger Oxygenase MtmOIV, The Key Enzyme of the Biosynthetic Pathway toward the Natural Product Anticancer Drug Mithramycin from Streptomyces argillaceus. Journal of the American Chemical Society, 2005, 127, 17594-17595.	13.7	107
18	Isolation, Characterization, and Heterologous Expression of the Biosynthesis Gene Cluster for the Antitumor Anthracycline Steffimycin. Applied and Environmental Microbiology, 2006, 72, 4172-4183.	3.1	99

#	Article	IF	Citations
19	The Complete Gene Cluster of the Antitumor Agent Gilvocarcin V and Its Implication for the Biosynthesis of the Gilvocarcins. Journal of the American Chemical Society, 2003, 125, 7818-7819.	13.7	88
20	The NDP-sugar co-substrate concentration and the enzyme expression level influence the substrate specificity of glycosyltransferases: cloning and characterization of deoxysugar biosynthetic genes of the urdamycin biosynthetic gene cluster. Chemistry and Biology, 2000, 7, 821-831.	6.0	85
21	Baeyerâ€“Villiger Câ€“C Bond Cleavage Reaction in Gilvocarcin and Jadomycin Biosynthesis. Journal of the American Chemical Society, 2012, 134, 18181-18184.	13.7	85
22	Function of glycosyltransferase genes involved in urdamycin A biosynthesis. Chemistry and Biology, 2000, 7, 133-142.	6.0	83
23	Identification of a sugar flexible glycosyltransferase from Streptomyces olivaceus, the producer of the antitumor polyketide elloramycin. Chemistry and Biology, 2001, 8, 253-263.	6.0	82
24	Rationally Designed Glycosylated Premithramycins:â€‰ Hybrid Aromatic Polyketides Using Genes from Three Different Biosynthetic Pathways. Journal of the American Chemical Society, 2002, 124, 6056-6062.	13.7	82
25	The C-Glycosyltransferase UrdGT2 Is Unselective toward <scp>d</scp>- and <scp>l</scp>-Configured Nucleotide-Bound Rhodinoses. Journal of the American Chemical Society, 2003, 125, 4678-4679.	13.7	81
26	Novel GC-rich DNA-binding compound produced by a genetically engineered mutant of the mithramycin producer Streptomyces argillaceus exhibits improved transcriptional repressor activity: implications for cancer therapy. Nucleic Acids Research, 2006, 34, 1721-1734.	14.5	81
27	Investigations of the biosynthesis and structural revision of landomycin A. Journal of Organic Chemistry, 1994, 59, 4211-4214.	3.2	78
28	Oxidative cleavage of premithramycin B is one of the last steps in the biosynthesis of the antitumor drug mithramycin. Chemistry and Biology, 1999, 6, 19-30.	6.0	78
29	The Structure of Mithramycin Reinvestigated. Journal of Natural Products, 1999, 62, 119-121.	3.0	76
30	The Dynamic Structure of Jadomycin B and the Amino Acid Incorporation Step of Its Biosynthesis. Journal of the American Chemical Society, 2004, 126, 4496-4497.	13.7	75
31	Crystal Structure of Baeyerâ"Villiger Monooxygenase MtmOIV, the Key Enzyme of the Mithramycin Biosynthetic Pathway,. Biochemistry, 2009, 48, 4476-4487.	2.5	75
32	Engineering Biosynthetic Pathways for Deoxysugars: Branched-Chain Sugar Pathways and Derivatives from the Antitumor Tetracenomycin. Chemistry and Biology, 2004, 11, 1709-1718.	6.0	73
33	Inhibition of c-src Transcription by Mithramycin:â€‰ Structureâ"Activity Relationships of Biosynthetically Produced Mithramycin Analogues Using the c-src Promoter as Target. Biochemistry, 2003, 42, 8313-8324.	2.5	71
34	A Novel Mithramycin Analogue with High Antitumor Activity and Less Toxicity Generated by Combinatorial Biosynthesis. Journal of Medicinal Chemistry, 2012, 55, 5813-5825.	6.4	71
35	Inactivation of theurdGT2Gene, Which Encodes a Glycosyltransferase Responsible for the C-Glycosyltransfer of Activatedd-Olivose, Leads to Formation of the Novel Urdamycins I, J, and K. Journal of the American Chemical Society, 1999, 121, 11058-11062.	13.7	68
36	Functional Analyses of Oxygenases in Jadomycin Biosynthesis and Identification of JadH as a Bifunctional Oxygenase/Dehydrase. Journal of Biological Chemistry, 2005, 280, 22508-22514.	3.4	67

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37	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 Streptomyces Argillaceus, Reveal Novel Insights into Post-PKS Tailoring Steps of the Mithramycin Biosynthetic Pathway. Journal of the American Chemical Society, 2002, 124, 1606-1614.	13.7	66
38	Characterization of Two Polyketide Methyltransferases Involved in the Biosynthesis of the Antitumor Drug Mithramycin byStreptomyces argillaceus. Journal of Biological Chemistry, 2000, 275, 3065-3074.	3.4	65
39	Metabolic products of microorganisms. 240 Urdamycins, new angucycline antibiotics from Streptomyces fradiae. II Structural studies of urdamycins B to F.. Journal of Antibiotics, 1987, 40, 459-467.	2.0	64
40	Novel Hybrid Tetracenomycins through Combinatorial Biosynthesis Using a Glycosyltransferase Encoded by the elm Genes in Cosmid 16F4 and Which Shows a Broad Sugar Substrate Specificity. Journal of the American Chemical Society, 1998, 120, 10596-10601.	13.7	64
41	Generation of New Landomycins by Combinatorial Biosynthetic Manipulation of the LndGT4 Gene of the Landomycin E Cluster in S. globisporus. Chemistry and Biology, 2004, 11, 547-555.	6.0	63
42	The Biosynthesis of Aureolic Acid Group Antibiotics. Bioorganic Chemistry, 1999, 27, 41-54.	4.1	61
43	Multi-oxygenase Complexes of the Gilvocarcin and Jadomycin Biosyntheses. Journal of the American Chemical Society, 2007, 129, 3780-3781.	13.7	60
44	Antibacterial Activity of Endophytic Actinomycetes Isolated from the Medicinal Plant Vochysia divergens (Pantanal, Brazil). Frontiers in Microbiology, 2017, 8, 1642.	3.5	60
45	Total Synthesis of Psoralidin, an Anticancer Natural Product. Journal of Organic Chemistry, 2009, 74, 2750-2754.	3.2	59
46	Amalgamation of Nucleosides and Amino Acids in Antibiotic Biosynthesis: Discovery of an <scp>l</scp>-Threonine:Uridine-5â€²-Aldehyde Transaldolase. Journal of the American Chemical Society, 2012, 134, 18514-18517.	13.7	59
47	Iterative type II polyketide synthases, cyclases and ketoreductases exhibit context-dependent behavior in the biosynthesis of linear and angular decapolyketides. Chemistry and Biology, 1997, 4, 433-443.	6.0	58
48	The Oxidative Ring Cleavage in Jadomycin Biosynthesis: A Multistep Oxygenation Cascade in a Biosynthetic Black Box. ChemBioChem, 2005, 6, 838-845.	2.6	58
49	Metabolic products of microorganisms. 225. Elloramycin, a new anthracycline-like antibiotic from Streptomyces olivaceus. Isolation, characterization, structure and biological properties.. Journal of Antibiotics, 1985, 38, 1291-1301.	2.0	57
50	Deoxysugar Methylation during Biosynthesis of the Antitumor Polyketide Elloramycin by Streptomyces olivaceus. Journal of Biological Chemistry, 2001, 276, 18765-18774.	3.4	57
51	Combining sugar biosynthesis genes for the generation of<scp>l</scp>- and<scp>d</scp>-amicetose and formation of two novel antitumor tetracenomycins. Chemical Communications, 2005, , 1604-1606.	4.1	57
52	Combinatorial Biosynthesisâ€“An Approach in the Near Future?. Angewandte Chemie International Edition in English, 1995, 34, 881-885.	4.4	55
53	Characterization of two glycosyltransferases involved in early glycosylation steps during biosynthesis of the antitumor polyketide mithramycin by Streptomyces argillaceus. Molecular Genetics and Genomics, 2000, 262, 991-1000.	2.4	55
54	Inhibition of Sp1-dependent transcription and antitumor activity of the new aureolic acid analogues mithramycin SDK and SK in human ovarian cancer xenografts. Gynecologic Oncology, 2010, 118, 182-188.	1.4	54

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55	Analysis of two chromosomal regions adjacent to genes for a type II polyketide synthase involved in the biosynthesis of the antitumor polyketide mithramycin in Streptomyces argillaceus. Molecular Genetics and Genomics, 1999, 261, 216-225.	2.4	53
56	Mithramycin Analogues Generated by Combinatorial Biosynthesis Show Improved Bioactivity. Journal of Natural Products, 2008, 71, 199-207.	3.0	53
57	Novel Genetically Engineered Tetracenomycins. Angewandte Chemie International Edition in English, 1995, 34, 1107-1110.	4.4	52
58	Elucidation of the function of two glycosyltransferase genes (lanGT1 and lanGT4) involved in landomycin biosynthesis and generation of new oligosaccharide antibiotics. Chemistry and Biology, 2001, 8, 1239-1252.	6.0	52
59	Identification of the Function of GenelndM2Encoding a Bifunctional Oxygenase-Reductase Involved in the Biosynthesis of the Antitumor Antibiotic Landomycin E byStreptomyces globisporus1912 Supports the Originally Assigned Structure for Landomycinone. Journal of Organic Chemistry, 2005, 70, 631-638.	3.2	52
60	Enzymatic Total Synthesis of Defucogilvocarcinâ€…M and Its Implications for Gilvocarcin Biosynthesis. Angewandte Chemie - International Edition, 2012, 51, 1216-1220.	13.8	52
61	Urdamycin L: A Novel Metabolic Shunt Product that Provides Evidence for the Role of the urdM Gene in the Urdamycin A Biosynthetic Pathway of Streptomyces fradiae TÃœ 2717. ChemBioChem, 2003, 4, 109-111.	2.6	51
62	Generation of New Landomycins with Altered Saccharide Patterns through Over-expression of the Glycosyltransferase GenelanGT3 in the Biosynthetic Gene Cluster of Landomycin A inStreptomyces cyanogenus S-136. ChemBioChem, 2007, 8, 83-88.	2.6	51
63	Identification of Streptomyces olivaceus TÃ¼ 2353 genes involved in the production of the polyketide elloramycin. Gene, 1995, 166, 121-126.	2.2	50
64	Digitoxosyltetracenomycin C and Glucosyltetracenomycin C, Two Novel Elloramycin Analogues Obtained by Exploring the Sugar Donor Substrate Specificity of Glycosyltransferase ElmGT. Journal of Natural Products, 2002, 65, 1685-1689.	3.0	50
65	Biosynthesis of the Antitumor Chromomycin A3 in Streptomyces griseus. Chemistry and Biology, 2004, 11, 21-32.	6.0	50
66	Biosynthetic studies on the xanthone antibiotics lysolipins X and I. Journal of Organic Chemistry, 1994, 59, 2064-2069.	3.2	49
67	Deoxysugar Transfer during Chromomycin A 3 Biosynthesis in Streptomyces griseus subsp. griseus : New Derivatives with Antitumor Activity. Applied and Environmental Microbiology, 2006, 72, 167-177.	3.1	48
68	Generation of New Derivatives of the Antitumor Antibiotic Mithramycin by Altering the Glycosylation Pattern through Combinatorial Biosynthesis. ChemBioChem, 2008, 9, 2295-2304.	2.6	47
69	Characterization of LipL as a Non-heme, Fe(II)-dependent Î±-Ketoglutarate:UMP Dioxygenase That Generates Uridine-5â€²-aldehyde during A-90289 Biosynthesis*. Journal of Biological Chemistry, 2011, 286, 7885-7892.	3.4	47
70	Combinatorial Biosynthesis of Antitumor Deoxysugar Pathways in Streptomyces griseus: Reconstitution of â€œUnnatural Natural Gene Clustersâ€•for the Biosynthesis of Four 2,6-d-Dideoxyhexoses. Applied and Environmental Microbiology, 2006, 72, 6644-6652.	3.1	46
71	Elucidating the Biosynthetic Pathway for the Polyketide-Nonribosomal Peptide Collismycin A: Mechanism for Formation of the 2,2â€²-bipyridyl Ring. Chemistry and Biology, 2012, 19, 399-413.	6.0	46
72	Oxidative Rearrangement Processes in the Biosynthesis of Gilvocarcin V. Journal of the American Chemical Society, 2004, 126, 12262-12263.	13.7	45

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73	Urdamycins, new angucycline antibiotics from Streptomyces fradiae. IV. Biosynthetic studies of urdamycins A-D.. Journal of Antibiotics, 1989, 42, 1151-1157.	2.0	44
74	Tailoring modification of deoxysugars during biosynthesis of the antitumour drug chromomycin A3 by Streptomyces griseus ssp. griseus. Molecular Microbiology, 2004, 53, 903-915.	2.5	44
75	Cloning and Characterization of the Ravidomycin and Chrysomycin Biosynthetic Gene Clusters. ChemBioChem, 2010, 11, 523-532.	2.6	44
76	Landomycins Pâ˜W, Cytotoxic Angucyclines fromStreptomyces cyanogenusS-136. Journal of Natural Products, 2011, 74, 2-11.	3.0	44
77	Cytotoxic Activities of New Jadomycin Derivatives. Journal of Antibiotics, 2005, 58, 405-408.	2.0	43
78	Generation of Novel Landomycins M and O through Targeted Gene Disruption. ChemBioChem, 2005, 6, 675-678.	2.6	43
79	Biosynthesis of elloramycin in Streptomyces olivaceus requires glycosylation by enzymes encoded outside the aglycon cluster. Microbiology (United Kingdom), 2008, 154, 781-788.	1.8	42
80	Investigations on the biosynthesis of the angucycline group antibiotics aquayamycin and the urdamycins A and B. Results from the structural analysis of novel blocked mutant products. Journal of Organic Chemistry, 1993, 58, 2547-2551.	3.2	40
81	Microbispora sp. LGMB259 Endophytic Actinomycete Isolated from Vochysia divergens (Pantanal,) Tj ETQq1 1 0.784314 rgBT /Overlo 345-354.	2.2	40
82	Glycosylated Derivatives of Steffimycin: Insights into the Role of the Sugar Moieties for the Biological Activity. ChemBioChem, 2008, 9, 624-633.	2.6	39
83	Metabolic products of microorganisms. 249. Tetracenomycins B3 and D3, key intermediates of the elloramycin and tetracenomycin C biosynthesis.. Journal of Antibiotics, 1988, 41, 1066-1073.	2.0	38
84	Biosyntheses of Novel Emycins from the Mutant StrainStreptomyces cellulosae ssp.griseoincarnatus 1114-2. Angewandte Chemie International Edition in English, 1995, 34, 1617-1621.	4.4	38
85	Investigation on Semecarpus Lehyam?a Siddha medicine for breast cancer. Planta, 2005, 220, 910-918.	3.2	37
86	11-Deoxylandomycinone and landomycins X-Z, new cytotoxic angucyclin(on)es from a Streptomyces cyanogenus K62 mutant strain. Journal of Antibiotics, 2011, 64, 141-150.	2.0	37
87	Structure-activity relationships of elloramycin and tetracenomycin C.. Journal of Antibiotics, 1990, 43, 1169-1178.	2.0	36
88	On the Acceptor Substrate of C-Glycosyltransferase UrdGT2: Three Prejadomycin C-Glycosides from an Engineered Mutant ofStreptomyces globisporus 1912 Î”lndE(urdGT2). Angewandte Chemie - International Edition, 2006, 45, 7842-7846.	13.8	36
89	Saquayamycins Gâ€“K, Cytotoxic Angucyclines from Streptomyces sp. Including Two Analogues Bearing the Aminosugar Rednose. Journal of Natural Products, 2012, 75, 1383-1392.	3.0	36
90	Molecular Insight into Substrate Recognition and Catalysis of Baeyerâ€“Villiger Monooxygenase MtmOIV, the Key Frame-Modifying Enzyme in the Biosynthesis of Anticancer Agent Mithramycin. ACS Chemical Biology, 2013, 8, 2466-2477.	3.4	36

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91	Oviedomycin, an Unusual Angucyclinone Encoded by Genes of the Oleandomycin-Producer Streptomyces antibioticus ATCC11891. Journal of Natural Products, 2002, 65, 779-782.	3.0	35
92	Engineering the Biosynthesis of the Polyketide-Nonribosomal Peptide Collismycin A for Generation of Analogs with Neuroprotective Activity. Chemistry and Biology, 2013, 20, 1022-1032.	6.0	35
93	Biosynthetic origin of the oxygen atoms of aquayamycin: aspects for the biosynthesis of the urdamycin family and for aquayamycin-containing angucycline antibiotics in general. Journal of Organic Chemistry, 1992, 57, 1274-1276.	3.2	34
94	Tetracenomycin M, a Novel Genetically Engineered Tetracenomycin Resulting from a Combination of Mithramycin and Tetracenomycin Biosynthetic Genes. Chemistry - A European Journal, 1997, 3, 1675-1678.	3.3	34
95	The structure of tetracenomycin C.. Journal of Antibiotics, 1992, 45, 1190-1192.	2.0	33
96	Rasagenthi lehyam (RL) a novel complementary and alternative medicine for prostate cancer. Cancer Chemotherapy and Pharmacology, 2004, 54, 7-15.	2.3	33
97	Enzymatic Total Synthesis of Rabelomycin, an Angucycline Group Antibiotic. Organic Letters, 2010, 12, 2814-2817.	4.6	33
98	Inactivation of gilGT , Encoding a Câ€•Glycosyltransferase, and gilOIII , Encoding a P450 Enzyme, Allows the Details of the Late Biosynthetic Pathway to Gilvocarcin V to be Delineated. ChemBioChem, 2006, 7, 1070-1077.	2.6	32
99	Elucidation of Oxygenation Steps during Oviedomycin Biosynthesis and Generation of Derivatives with Increased Antitumor Activity. ChemBioChem, 2009, 10, 296-303.	2.6	32
100	Two Cooperative Glycosyltransferases Are Responsible for the Sugar Diversity of Saquayamycins Isolated from Streptomyces sp. KY 40-1. ACS Chemical Biology, 2017, 12, 2529-2534.	3.4	32
101	Moromycins A and B, Isolation and Structure Elucidation of C-Glycosylangucycline-Type Antibiotics from Streptomyces sp. KY002. Journal of Natural Products, 2008, 71, 1569-1573.	3.0	31
102	Psoralidin, an Herbal Molecule, Inhibits Phosphatidylinositol 3-Kinaseâ€“Mediated Akt Signaling in Androgen-Independent Prostate Cancer Cells. Cancer Prevention Research, 2009, 2, 234-243.	1.5	31
103	Engineered Biosynthesis of Gilvocarcin Analogues with Altered Deoxyhexopyranose Moieties. Applied and Environmental Microbiology, 2011, 77, 435-441.	3.1	31
104	Activation and silencing of secondary metabolites in Streptomyces albus and Streptomyces lividans after transformation with cosmids containing the thienamycin gene cluster from Streptomyces cattleya. Archives of Microbiology, 2014, 196, 345-355.	2.2	31
105	Function of lanGT3, a Glycosyltransferase Gene Involved in Landomycin A Biosynthesis. ChemBioChem, 2004, 5, 1567-1570.	2.6	29
106	Elucidation of the Glycosylation Sequence of Mithramycin Biosynthesis: Isolation of 3A-Deolivosylpremithramycin B and Its Conversion to Premithramycin B by Glycosyltransferase MtmGII. ChemBioChem, 2005, 6, 632-636.	2.6	29
107	Pyramidamycins A-D and 3-hydroxyquinoline-2-carboxamide; cytotoxic benzamides from Streptomyces sp. DGC1. Journal of Antibiotics, 2012, 65, 615-622.	2.0	29
108	Ericifolin: a novel antitumor compound from allspice that silences androgen receptor in prostate cancer. Carcinogenesis, 2013, 34, 1822-1832.	2.8	29

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109	N-methylphenylalanyl-dehydrobutyrine diketopiperazine, an A-factor mimic that restores antibiotic biosynthesis and morphogenesis in Streptomyces globisporus 1912-B2 and Streptomyces griseus 1439. Journal of Antibiotics, 2015, 68, 9-14.	2.0	29
110	Bioprospecting of Diaporthe terebinthifolii LGMF907 for antimicrobial compounds. Folia Microbiologica, 2018, 63, 499-505.	2.3	28
111	Biosynthetic Investigations on Pyridazomycin. Angewandte Chemie International Edition in English, 1994, 33, 1648-1651.	4.4	27
112	Inactivation of the Ketoreductase gilU Gene of the Gilvocarcin Biosynthetic Gene Cluster Yields New Analogues with Partly Improved Biological Activity. ChemBioChem, 2009, 10, 278-286.	2.6	27
113	Cooperation of Two Bifunctional Enzymes in the Biosynthesis and Attachment of Deoxysugars of the Antitumor Antibiotic Mithramycin. Angewandte Chemie - International Edition, 2012, 51, 10638-10642.	13.8	27
114	Structures of mithramycin analogues bound to DNA and implications for targeting transcription factor FLI1. Nucleic Acids Research, 2016, 44, 8990-9004.	14.5	27
115	Rapid generation of hydrogen peroxide contributes to the complex cell death induction by the angucycline antibiotic landomycin E. Free Radical Biology and Medicine, 2017, 106, 134-147.	2.9	27
116	Vochysiamides A and B: Two new bioactive carboxamides produced by the new species Diaporthe vochysiae. FÃ¬toterapÃ¬Ã¢, 2019, 138, 104273.	2.2	27
117	Kombinatorische Biosynthese â€“ eine Zukunftsstrategie?. Angewandte Chemie, 1995, 107, 963-967.	2.0	26
118	Biosynthetic short activation of the 2,3,6-trideoxysugar l-rhodinose. Chemical Communications, 1997, , 973-974.	4.1	26
119	CE-108, a New Macrolide Tetraene Antibiotic. Journal of Antibiotics, 2004, 57, 197-204.	2.0	26
120	Insights in the glycosylation steps during biosynthesis of the antitumor anthracycline cosmomycin: characterization of two glycosyltransferase genes. Applied Microbiology and Biotechnology, 2006, 73, 122-131.	3.6	26
121	Delineation of gilvocarcin, jadomycin, and landomycin pathways through combinatorial biosynthetic enzymology. Current Opinion in Chemical Biology, 2012, 16, 150-161.	6.1	26
122	Tailoring Enzymes Involved in the Biosynthesis of Angucyclines Contain Latent Context-Dependent Catalytic Activities. Chemistry and Biology, 2012, 19, 647-655.	6.0	26
123	Structural Characterization of Oâ€•and Câ€Glycosylating Variants of the Landomycin Glycosyltransferase LanGT2. Angewandte Chemie - International Edition, 2015, 54, 2811-2815.	13.8	26
124	Elloramycins B, C, D, E and F: Minor congeners of the elloramycin producer Streptomyces olivaceus.. Journal of Antibiotics, 1986, 39, 856-859.	2.0	25
125	The structures of premithramycinone and demethylpremithramycinone, plausible early intermediates of the aureolic acid group antibiotic mithramycin. Chemical Communications, 1998, , 437-438.	4.1	25
126	The Novel Hybrid Antitumor Compound Premithramycinone H Provides Indirect Evidence for a Tricyclic Intermediate of the Biosynthesis of the Aureolic Acid Antibiotic Mithramycin. Angewandte Chemie - International Edition, 2000, 39, 796-799.	13.8	25

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127	Synthesis, Pharmacokinetics, Efficacy, and Rat Retinal Toxicity of a Novel Mitomycin C-Triamcinolone Acetonide Conjugate. Journal of Medicinal Chemistry, 2002, 45, 1122-1127.	6.4	25
128	DNA-Binding Properties of Cosmomycin D, an Anthracycline with Two Trisaccharide Chains. Journal of Antibiotics, 2004, 57, 647-654.	2.0	25
129	Premithramycinone G, an Early Shunt Product of the Mithramycin Biosynthetic Pathway Accumulated upon Inactivation of Oxygenase MtmOII. Angewandte Chemie - International Edition, 2006, 45, 5685-5689.	13.8	24
130	GilR, an Unusual Lactoneâ€Forming Enzyme Involved in Gilvocarcin Biosynthesis. ChemBioChem, 2009, 10, 1305-1308.	2.6	24
131	Nanoparticulate formulations of mithramycin analogs for enhanced cytotoxicity. International Journal of Nanomedicine, 2011, 6, 2757.	6.7	24
132	Structural Basis for EarP-Mediated Arginine Glycosylation of Translation Elongation Factor EF-P. MBio, 2017, 8, .	4.1	24
133	Urdamycins, new angucycline antibiotics from Streptomyces fradiae. V. Derivatives of urdamycin A.. Journal of Antibiotics, 1989, 42, 299-311.	2.0	23
134	Biosynthetic Origin of the Oxygen Atoms of Tetracenomycin C. Angewandte Chemie International Edition in English, 1995, 34, 565-567.	4.4	22
135	Cryptophycin Anticancer Drugs Revisited. ACS Chemical Biology, 2006, 1, 747-750.	3.4	22
136	Activating Stress-Activated Protein Kinaseâ€“Mediated Cell Death and Inhibiting Epidermal Growth Factor Receptor Signaling: A Promising Therapeutic Strategy for Prostate Cancer. Molecular Cancer Therapeutics, 2010, 9, 2488-2496.	4.1	22
137	Biosynthetic formation of the S-methyl group of the angucycline antibiotic urdamycin E. Journal of the Chemical Society Chemical Communications, 1989, , 492.	2.0	21
138	Absolute configurations of Emycin D, E and F; mimicry of centrosymmetric space groups by mixtures of chiral stereoisomers. Acta Crystallographica Section B: Structural Science, 1999, 55, 607-616.	1.8	21
139	The Crystal Structure and Mechanism of an Unusual Oxidoreductase, GilR, Involved in Gilvocarcin V Biosynthesis. Journal of Biological Chemistry, 2011, 286, 23533-23543.	3.4	21
140	Formation of an Angular Aromatic Polyketide from a Linear Anthrene Precursor via Oxidative Rearrangement. Cell Chemical Biology, 2017, 24, 881-891.e4.	5.2	21
141	Development of Mithramycin Analogues with Increased Selectivity toward ETS Transcription Factor Expressing Cancers. Journal of Medicinal Chemistry, 2018, 61, 8001-8016.	6.4	21
142	Biosynthesis of Taxol. Angewandte Chemie International Edition in English, 1997, 36, 2190-2195.	4.4	20
143	Semiâ€Synthetic Mithramycin <scp>SA</scp> Derivatives with Improved AntiCancer Activity. Chemical Biology and Drug Design, 2013, 81, 615-624.	3.2	20
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