Gilles P Van Wezel

List of Publications by Year
in descending order

181 papers	14,895 citations	30070 54 h-index	24258 110 g-index
226 all docs	226 docs citations	226 times ranked	12900 citing authors

#	Article	IF	Citations
1	Biosynthesis, evolution and ecology of microbial terpenoids. Natural Product Reports, 2022, 39, 249-272.	10.3	40
2	Anthracyclines: biosynthesis, engineering and clinical applications. Natural Product Reports, 2022, 39, 814-841.	10.3	45
3	The ubiquitous catechol moiety elicits siderophore and angucycline production in Streptomyces. Communications Chemistry, 2022, 5, .	4.5	9
4	Discovery of actinomycin L, a new member of the actinomycin family of antibiotics. Scientific Reports, 2022, 12, 2813.	3.3	15
5	Role for a Lytic Polysaccharide Monooxygenase in Cell Wall Remodeling in Streptomyces coelicolor. MBio, 2022, 13, e0045622.	4.1	16
6	System-Wide Analysis of the GATC-Binding Nucleoid-Associated Protein Gbn and Its Impact on<i>Streptomyces</i>Development. MSystems, 2022, 7, e0006122.	3.8	4
7	ActinoBase: tools and protocols for researchers working on Streptomyces and other filamentous actinobacteria. Microbial Genomics, 2022, 8, .	2.0	2
8	New developments in RiPP discovery, enzymology and engineering. Natural Product Reports, 2021, 38, 130-239.	10.3	412
9	Ectopic positioning of the cell division plane is associated with single amino acid substitutions in the FtsZ-recruiting SsgB in <i>Streptomyces</i>. Open Biology, 2021, 11, 200409.	3.6	6
10	A community resource for paired genomic and metabolomic data mining. Nature Chemical Biology, 2021, 17, 363-368.	8.0	81
11	Competition Sensing Changes Antibiotic Production in <i>Streptomyces</i>. MBio, 2021, 12, .	4.1	29
12	An Alternative and Conserved Cell Wall Enzyme That Can Substitute for the Lipid II Synthase MurG. MBio, 2021, 12, .	4.1	6
13	antiSMASH 6.0: improving cluster detection and comparison capabilities. Nucleic Acids Research, 2021, 49, W29-W35.	14.5	1,520
14	Dissecting Disease-Suppressive Rhizosphere Microbiomes by Functional Amplicon Sequencing and 10Ã— Metagenomics. MSystems, 2021, 6, e0111620.	3.8	27
15	Omics-based strategies to discover novel classes of RiPP natural products. Current Opinion in Biotechnology, 2021, 69, 60-67.	6.6	30
16	Spatial structure increases the benefits of antibiotic production in<i>Streptomyces</i>*. Evolution; International Journal of Organic Evolution, 2020, 74, 179-187.	2.3	17
17	Production of ammonia as a low-cost and long-distance antibiotic strategy by <i>Streptomyces</i> species. ISME Journal, 2020, 14, 569-583.	9.8	52
18	Iso â€maleimycin, a Constitutional Isomer of Maleimycin, from Streptomyces sp. QL37. European Journal of Organic Chemistry, 2020, 2020, 5145-5152.	2.4	1

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19	Atypical Spirotetronate Polyketides Identified in the Underexplored Genus <i>Streptacidiphilus</i>. Journal of Organic Chemistry, 2020, 85, 10648-10657.	3.2	10
20	Teichoic acids anchor distinct cell wall lamellae in an apically growing bacterium. Communications Biology, 2020, 3, 314.	4.4	25
21	Prodiginines Postpone the Onset of Sporulation in Streptomyces coelicolor. Antibiotics, 2020, 9, 847.	3.7	8
22	RRE-Finder: a Genome-Mining Tool for Class-Independent RiPP Discovery. MSystems, 2020, 5, .	3.8	60
23	Glycosylated cyclophellitol-derived activity-based probes and inhibitors for cellulases. RSC Chemical Biology, 2020, 1, 148-155.	4.1	13
24	Functional and Structural Insights into a Novel Promiscuous Ketoreductase of the Lugdunomycin Biosynthetic Pathway. ACS Chemical Biology, 2020, 15, 2529-2538.	3.4	7
25	Ecology and genomics of Actinobacteria: new concepts for natural product discovery. Nature Reviews Microbiology, 2020, 18, 546-558.	28.6	188
26	The <scp>ROK</scp>â€family regulator <scp>Rok7B7</scp> directly controls carbon catabolite repression, antibiotic biosynthesis, and morphological development in <i>Streptomyces avermitilis</i>. Environmental Microbiology, 2020, 22, 5090-5108.	3.8	11
27	Microbial and volatile profiling of soils suppressive to <i>Fusarium culmorum</i> of wheat. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192527.	2.6	23
28	Genome rearrangements and megaplasmid loss in the filamentous bacterium Kitasatospora viridifaciens are associated with protoplast formation and regeneration. Antonie Van Leeuwenhoek, 2020, 113, 825-837.	1.7	3
29	Rational Design of Mechanism-Based Inhibitors and Activity-Based Probes for the Identification of Retaining Î±-<scp>l</scp>-Arabinofuranosidases. Journal of the American Chemical Society, 2020, 142, 4648-4662.	13.7	33
30	Antibiotic production in <i>Streptomyces</i> is organized by a division of labor through terminal genomic differentiation. Science Advances, 2020, 6, eaay5781.	10.3	60
31	Enzyme-Constrained Models and Omics Analysis of Streptomyces coelicolor Reveal Metabolic Changes that Enhance Heterologous Production. IScience, 2020, 23, 101525.	4.1	30
32	Expansion of RiPP biosynthetic space through integration of pan-genomics and machine learning uncovers a novel class of lanthipeptides. PLoS Biology, 2020, 18, e3001026.	5.6	75
33	A Single Biosynthetic Gene Cluster Is Responsible for the Production of Bagremycin Antibiotics and Ferroverdin Iron Chelators. MBio, 2019, 10, .	4.1	40
34	A microbial expression system for high-level production of scFv HIV-neutralizing antibody fragments in Escherichia coli. Applied Microbiology and Biotechnology, 2019, 103, 8875-8888.	3.6	9
35	Pathogen-induced activation of disease-suppressive functions in the endophytic root microbiome. Science, 2019, 366, 606-612.	12.6	621
36	Lugdunomycin, an Angucyclineâ€Derived Molecule with Unprecedented Chemical Architecture. Angewandte Chemie, 2019, 131, 2835-2840.	2.0	2

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37	Dynamic and Functional Profiling of Xylan-Degrading Enzymes in <i>Aspergillus</i> Secretomes Using Activity-Based Probes. ACS Central Science, 2019, 5, 1067-1078.	11.3	34
38	Phylogenomic analyses and distribution of terpene synthases amongStreptomyces. Beilstein Journal of Organic Chemistry, 2019, 15, 1181-1193.	2.2	28
39	Structural and Proteomic Changes in Viable but Non-culturable Vibrio cholerae. Frontiers in Microbiology, 2019, 10, 793.	3.5	42
40	Discovery of novel glycerolated quinazolinones from <i>Streptomyces</i> sp. MBT27. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 483-492.	3.0	22
41	Streptomyces coelicolor. Trends in Microbiology, 2019, 27, 468-469.	7.7	19
42	Lugdunomycin, an Angucyclineâ€Derived Molecule with Unprecedented Chemical Architecture. Angewandte Chemie - International Edition, 2019, 58, 2809-2814.	13.8	46
43	Polyphasic classification of the gifted natural product producer Streptomyces roseifaciens sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 899-908.	1.7	16
44	Inter- and intracellular colonization of Arabidopsis roots by endophytic actinobacteria and the impact of plant hormones on their antimicrobial activity. Antonie Van Leeuwenhoek, 2018, 111, 679-690.	1.7	54
45	Cracking the regulatory code of biosynthetic gene clusters as a strategy for natural product discovery. Biochemical Pharmacology, 2018, 153, 24-34.	4.4	64
46	Regulation of antibiotic production in Actinobacteria: new perspectives from the post-genomic era. Natural Product Reports, 2018, 35, 575-604.	10.3	203
47	Mining for Microbial Gems: Integrating Proteomics in the Postgenomic Natural Product Discovery Pipeline. Proteomics, 2018, 18, e1700332.	2.2	33
48	Healthy scents: microbial volatiles as new frontier in antibiotic research?. Current Opinion in Microbiology, 2018, 45, 84-91.	5.1	55
49	SParticle, an algorithm for the analysis of filamentous microorganisms in submerged cultures. Antonie Van Leeuwenhoek, 2018, 111, 171-182.	1.7	18
50	Morphology-driven downscaling of Streptomyces lividans to micro-cultivation. Antonie Van Leeuwenhoek, 2018, 111, 457-469.	1.7	8
51	Stress-induced formation of cell wall-deficient cells in filamentous actinomycetes. Nature Communications, 2018, 9, 5164.	12.8	52
52	Editorial overview: Antimicrobials. Current Opinion in Microbiology, 2018, 45, iii-v.	5.1	0
53	Detection and identification of antibacterial proteins in snake venoms using at-line nanofractionation coupled to LC-MS. Toxicon, 2018, 155, 66-74.	1.6	7
54	Complete Genome Sequence of Escherichia coli AS19, an Antibiotic-Sensitive Variant of E. coli Strain B REL606. Genome Announcements, 2018, 6, .	0.8	8

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55	High-Resolution Analysis of the Peptidoglycan Composition in Streptomyces coelicolor. Journal of Bacteriology, 2018, 200, .	2.2	35
56	Microencapsulation extends mycelial viability of Streptomyces lividans 66 and increases enzyme production. BMC Biotechnology, 2018, 18, 13.	3.3	3
57	Sporulation-specific cell division defects in ylmE mutants of Streptomyces coelicolor are rescued by additional deletion of ylmD. Scientific Reports, 2018, 8, 7328.	3.3	5
58	Complete Genome Sequence of Streptomyces lunaelactis MM109 T , Isolated from Cave Moonmilk Deposits. Genome Announcements, 2018, 6, .	0.8	8
59	NgcE^{Sco} Acts as a Lower-Affinity Binding Protein of an ABC Transporter for the Uptake of <i>N,Nâ€²</i>-Diacetylchitobiose in <i>Streptomyces coelicolor</i> A3(2). Microbes and Environments, 2018, 33, 272-281.	1.6	8
60	Production of Prodiginines Is Part of a Programmed Cell Death Process in Streptomyces coelicolor. Frontiers in Microbiology, 2018, 9, 1742.	3.5	47
61	Production of poly-Î²-1,6-N-acetylglucosamine by MatAB is required for hyphal aggregation and hydrophilic surface adhesion by Streptomyces. Microbial Cell, 2018, 5, 269-279.	3.2	23
62	The evolution of no-cost resistance at sub-MIC concentrations of streptomycin in <i>Streptomyces coelicolor</i>. ISME Journal, 2017, 11, 1168-1178.	9.8	64
63	Discovery of C-Glycosylpyranonaphthoquinones in Streptomyces sp. MBT76 by a Combined NMR-Based Metabolomics and Bioinformatics Workflow. Journal of Natural Products, 2017, 80, 269-277.	3.0	36
64	Distance-dependent danger responses in bacteria. Current Opinion in Microbiology, 2017, 36, 95-101.	5.1	35
65	Genome Sequence of the Filamentous Actinomycete <i>Kitasatospora viridifaciens</i>. Genome Announcements, 2017, 5, .	0.8	12
66	Aromatic Polyketide GTRIâ€02 is a Previously Unidentified Product of the <i>act</i> Gene Cluster in <i>Streptomyces coelicolor</i>â€…A3(2). ChemBioChem, 2017, 18, 1428-1434.	2.6	22
67	Chemical ecology of antibiotic production by actinomycetes. FEMS Microbiology Reviews, 2017, 41, 392-416.	8.6	337
68	Structural and functional characterization of the alanine racemase from Streptomyces coelicolor A3(2). Biochemical and Biophysical Research Communications, 2017, 483, 122-128.	2.1	13
69	Actinoalloteichus fjordicus sp. nov. isolated from marine sponges: phenotypic, chemotaxonomic and genomic characterisation. Antonie Van Leeuwenhoek, 2017, 110, 1705-1717.	1.7	7
70	Intertwined Precursor Supply during Biosynthesis of the Catecholateâ€“Hydroxamate Siderophores Qinichelins in <i>Streptomyces</i> sp. MBT76. ACS Chemical Biology, 2017, 12, 2756-2766.	3.4	33
71	Aggregation of germlings is a major contributing factor towards mycelial heterogeneity of Streptomyces. Scientific Reports, 2016, 6, 27045.	3.3	48
72	Cross-membranes orchestrate compartmentalization and morphogenesis in Streptomyces. Nature Communications, 2016, 7, ncomms11836.	12.8	49

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73	SepG coordinates sporulation-specific cell division and nucleoid organization in <i>Streptomyces coelicolor</i>. Open Biology, 2016, 6, 150164.	3.6	30
74	Metabolomics-guided analysis of isocoumarin production by Streptomyces species MBT76 and biotransformation of flavonoids and phenylpropanoids. Metabolomics, 2016, 12, 90.	3.0	48
75	Modestobacter caceresii sp. nov., novel actinobacteria with an insight into their adaptive mechanisms for survival in extreme hyper-arid Atacama Desert soils. Systematic and Applied Microbiology, 2016, 39, 243-251.	2.8	46
76	The DyP-type peroxidase DtpA is a Tat-substrate required for GlxA maturation and morphogenesis in <i>Streptomyces</i>. Open Biology, 2016, 6, 150149.	3.6	63
77	Subcompartmentalization by cross-membranes during early growth of Streptomyces hyphae. Nature Communications, 2016, 7, 12467.	12.8	31
78	Intertwining nutrientâ€sensory networks and the control of antibiotic production in <i>Streptomyces</i>. Molecular Microbiology, 2016, 102, 183-195.	2.5	87
79	Goodbye to brute force in antibiotic discovery?. Nature Microbiology, 2016, 1, 15020.	13.3	55
80	OsdR of Streptomyces coelicolor and the Dormancy Regulator DevR of Mycobacterium tuberculosis Control Overlapping Regulons. MSystems, 2016, 1, .	3.8	30
81	Substrate Inhibition of VanA by <scp>d</scp> -Alanine Reduces Vancomycin Resistance in a VanX-Dependent Manner. Antimicrobial Agents and Chemotherapy, 2016, 60, 4930-4939.	3.2	10
82	New approaches to achieve high level enzyme production in Streptomyces lividans. Microbial Cell Factories, 2016, 15, 28.	4.0	54
83	Leucanicidin and Endophenasides Result from Methyl-Rhamnosylation by the Same Tailoring Enzymes in <i>Kitasatospora</i> sp. MBT66. ACS Chemical Biology, 2016, 11, 478-490.	3.4	25
84	Taxonomy, Physiology, and Natural Products of Actinobacteria. Microbiology and Molecular Biology Reviews, 2016, 80, 1-43.	6.6	1,395
85	Metabolic profiling as a tool for prioritizing antimicrobial compounds. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 299-312.	3.0	34
86	Diversity and functions of volatile organic compounds produced by Streptomyces from a disease-suppressive soil. Frontiers in Microbiology, 2015, 6, 1081.	3.5	174
87	Metabolomics in the natural products field â€" a gateway to novel antibiotics. Drug Discovery Today: Technologies, 2015, 13, 11-17.	4.0	73
88	Identification of novel endophenaside antibiotics produced by Kitasatospora sp. MBT66. Journal of Antibiotics, 2015, 68, 445-452.	2.0	23
89	Socially mediated induction and suppression of antibiosis during bacterial coexistence. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11054-11059.	7.1	198
90	Multiple allosteric effectors control the affinity of DasR for its target sites. Biochemical and Biophysical Research Communications, 2015, 464, 324-329.	2.1	32

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91	Expanding the chemical space for natural products by Aspergillus-Streptomyces co-cultivation and biotransformation. Scientific Reports, 2015, 5, 10868.	3.3	74
92	A novel locus for mycelial aggregation forms a gateway to improved Streptomyces cell factories. Microbial Cell Factories, 2015, 14, 44.	4.0	54
93	Transcriptional analysis of the cell division-related ssg genes in Streptomyces coelicolor reveals direct control of ssgR by AtrA. Antonie Van Leeuwenhoek, 2015, 108, 201-213.	1.7	14
94	Metabolomics-Driven Discovery of a Prenylated Isatin Antibiotic Produced by <i>Streptomyces</i> Species MBT28. Journal of Natural Products, 2015, 78, 2355-2363.	3.0	60
95	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	8.0	715
96	Genome-Wide Analysis of In Vivo Binding of the Master Regulator DasR in Streptomyces coelicolor Identifies Novel Non-Canonical Targets. PLoS ONE, 2015, 10, e0122479.	2.5	51
97	Correlative Cryo-Fluorescence Light Microscopy and Cryo-Electron Tomography of Streptomyces. Methods in Cell Biology, 2014, 124, 217-239.	1.1	31
98	Morphogenesis of Streptomyces in Submerged Cultures. Advances in Applied Microbiology, 2014, 89, 1-45.	2.4	92
99	Triggers and cues that activate antibiotic production by actinomycetes. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 371-386.	3.0	162
100	Natural Product Proteomining, a Quantitative Proteomics Platform, Allows Rapid Discovery of Biosynthetic Gene Clusters for Different Classes of Natural Products. Chemistry and Biology, 2014, 21, 707-718.	6.0	51
101	Bacterial solutions to multicellularity: a tale of biofilms, filaments and fruiting bodies. Nature Reviews Microbiology, 2014, 12, 115-124.	28.6	379
102	Objective comparison of particle tracking methods. Nature Methods, 2014, 11, 281-289.	19.0	805
103	A comparison of key aspects of gene regulation inStreptomyces coelicolorandEscherichia coliusing nucleotideâ€resolution transcription maps produced in parallel by global and differentialRNAsequencing. Molecular Microbiology, 2014, 94, 963-987.	2.5	48
104	Altered desferrioxamine-mediated iron utilization is a common trait of bald mutants of Streptomyces coelicolor. Metallomics, 2014, 6, 1390-1399.	2.4	36
105	Eliciting antibiotics active against the ESKAPE pathogens in a collection of actinomycetes isolated from mountain soils. Microbiology (United Kingdom), 2014, 160, 1714-1725.	1.8	87
106	Analysis of novel kitasatosporae reveals significant evolutionary changes in conserved developmental genes between Kitasatospora and Streptomyces. Antonie Van Leeuwenhoek, 2014, 106, 365-380.	1.7	34
107	Streptomyces leeuwenhoekii sp. nov., the producer of chaxalactins and chaxamycins, forms a distinct branch in Streptomyces gene trees. Antonie Van Leeuwenhoek, 2014, 105, 849-861.	1.7	62
108	Off the wall. ELife, 2014, 3, .	6.0	1

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109	Mammalian cell entry genes in Streptomyces may provide clues to the evolution of bacterial virulence. Scientific Reports, 2013, 3, 1109.	3.3	27
110	The Genome Sequence of Streptomyces lividans 66 Reveals a Novel tRNA-Dependent Peptide Biosynthetic System within a Metal-Related Genomic Island. Genome Biology and Evolution, 2013, 5, 1165-1175.	2.5	99
111	A novel taxonomic marker that discriminates between morphologically complex actinomycetes. Open Biology, 2013, 3, 130073.	3.6	66
112	The ROK Family Regulator Rok7B7 Pleiotropically Affects Xylose Utilization, Carbon Catabolite Repression, and Antibiotic Production in Streptomyces coelicolor. Journal of Bacteriology, 2013, 195, 1236-1248.	2.2	53
113	Single particle tracking of dynamically localizing TatA complexes in Streptomyces coelicolor. Biochemical and Biophysical Research Communications, 2013, 438, 38-42.	2.1	22
114	Multidimensional View of the Bacterial Cytoskeleton. Journal of Bacteriology, 2013, 195, 1627-1636.	2.2	57
115	Relative quantification of proteasome activity by activity-based protein profiling and LC-MS/MS. Nature Protocols, 2013, 8, 1155-1168.	12.0	77
116	Functional Analysis of the N-Acetylglucosamine Metabolic Genes of Streptomyces coelicolor and Role in Control of Development and Antibiotic Production. Journal of Bacteriology, 2012, 194, 1136-1144.	2.2	87
117	Dynamic Localization of Tat Protein Transport Machinery Components in Streptomyces coelicolor. Journal of Bacteriology, 2012, 194, 6272-6281.	2.2	19
118	Engineering of N-acetylglucosamine metabolism for improved antibiotic production in Streptomyces coelicolor A3(2) and an unsuspected role of NagA in glucosamine metabolism. Bioengineered, 2012, 3, 280-285.	3.2	35
119	Identification and isolation of lantibiotics from culture: a bioorthogonal chemistry approach. Organic and Biomolecular Chemistry, 2012, 10, 8677.	2.8	10
120	Structured morphological modeling as a framework for rational strain design of Streptomyces species. Antonie Van Leeuwenhoek, 2012, 102, 409-423.	1.7	41
121	The evolution of actinomycetes: papers from the 16th International Symposium on the Biology of Actinomycetes. Antonie Van Leeuwenhoek, 2012, 102, 407-408.	1.7	2
122	Identification of glucose kinaseâ€dependent and â€independent pathways for carbon control of primary metabolism, development and antibiotic production in <i><scp>S</scp>treptomyces coelicolor</i> by quantitative proteomics. Molecular Microbiology, 2012, 86, 1490-1507.	2.5	49
123	Analysis of two distinct mycelial populations in liquid-grown Streptomyces cultures using a flow cytometry-based proteomics approach. Applied Microbiology and Biotechnology, 2012, 96, 1301-1312.	3.6	42
124	Unsuspected control of siderophore production by <i>N</i>â€acetylglucosamine in streptomycetes. Environmental Microbiology Reports, 2012, 4, 512-521.	2.4	57
125	Cell division and DNA segregation in <i>Streptomyces</i>: how to build a septum in the middle of nowhere?. Molecular Microbiology, 2012, 85, 393-404.	2.5	128
126	A novel function of Streptomyces integration host factor (sIHF) in the control of antibiotic production and sporulation in Streptomyces coelicolor. Antonie Van Leeuwenhoek, 2012, 101, 479-492.	1.7	23

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127	Constitutive expression of ftsZ overrides the whi developmental genes to initiate sporulation of Streptomyces coelicolor. Antonie Van Leeuwenhoek, 2012, 101, 619-632.	1.7	17
128	Structure of an MmyB-Like Regulator from C. aurantiacus, Member of a New Transcription Factor Family Linked to Antibiotic Metabolism in Actinomycetes. PLoS ONE, 2012, 7, e41359.	2.5	14
129	The regulation of the secondary metabolism of Streptomyces: new links and experimental advances. Natural Product Reports, 2011, 28, 1311.	10.3	390
130	The tmRNAâ€tagging mechanism and the control of gene expression: a review. Wiley Interdisciplinary Reviews RNA, 2011, 2, 233-246.	6.4	24
131	Positive control of cell division: FtsZ is recruited by SsgB during sporulation of <i>Streptomyces</i>. Genes and Development, 2011, 25, 89-99.	5.9	176
132	The permease gene<i>nagE2</i>is the key to<i>N</i>â€acetylglucosamine sensing and utilization in<i>Streptomyces coelicolor</i>and is subject to multiâ€level control. Molecular Microbiology, 2010, 75, 1133-1144.	2.5	73
133	Transferâ€"messenger RNA controls the translation of cellâ€cycle and stress proteins in Streptomyces. EMBO Reports, 2010, 11, 119-125.	4.5	21
134	Structural and Functional Characterizations of SsgB, a Conserved Activator of Developmental Cell Division in Morphologically Complex Actinomycetes. Journal of Biological Chemistry, 2009, 284, 25268-25279.	3.4	23
135	Lack of A-factor Production Induces the Expression of Nutrient Scavenging and Stress-related Proteins in Streptomyces griseus>. Molecular and Cellular Proteomics, 2009, 8, 2396-2403.	3.8	12
136	Chemical, structural and biological studies of cis-[Pt(3-Acpy)2Cl2]. Journal of Inorganic Biochemistry, 2009, 103, 1221-1227.	3.5	6
137	Platinum(II) compounds with chelating ligands based on pyridine and pyrimidine: DNA and protein binding studies. Journal of Inorganic Biochemistry, 2009, 103, 1288-1297.	3.5	22
138	Chapter 5 Applying the Genetics of Secondary Metabolism in Model Actinomycetes to the Discovery of New Antibiotics. Methods in Enzymology, 2009, 458, 117-141.	1.0	70
139	DNA cleavage and antitumour activity of platinum(II) and copper(II) compounds derived from 4-methyl-2-N-(2-pyridylmethyl)aminophenol: spectroscopic, electrochemical and biological investigation. Dalton Transactions, 2009, , 10846.	3.3	44
140	Imaging of Streptomyces coelicolor A3(2) with Reduced Autofluorescence Reveals a Novel Stage of FtsZ Localization. PLoS ONE, 2009, 4, e4242.	2.5	34
141	The SsgA-like proteins in actinomycetes: small proteins up to a big task. Antonie Van Leeuwenhoek, 2008, 94, 85-97.	1.7	67
142	Phenanthroline Derivatives with Improved Selectivity as DNAâ€Targeting Anticancer or Antimicrobial Drugs. ChemMedChem, 2008, 3, 1427-1434.	3.2	111
143	Feast or famine: the global regulator DasR links nutrient stress to antibiotic production by <i>Streptomyces</i>. EMBO Reports, 2008, 9, 670-675.	4.5	358
144	The chitobiose-binding protein, DasA, acts as a link between chitin utilization and morphogenesis in Streptomyces coelicolor. Microbiology (United Kingdom), 2008, 154, 373-382.	1.8	72

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145	Structure, Cytotoxicity, and DNA-Cleavage Properties of the Complex [Cu^{II}(pbt)Br₂]. Inorganic Chemistry, 2008, 47, 3719-3727.	4.0	118
146	The Secreted Signaling Protein Factor C Triggers the A-factor Response Regulon in Streptomyces griseus. Molecular and Cellular Proteomics, 2007, 6, 1248-1256.	3.8	20
147	Conserved <i>cis</i>-Acting Elements Upstream of Genes Composing the Chitinolytic System of Streptomycetes Are DasR-Responsive Elements. Journal of Molecular Microbiology and Biotechnology, 2007, 12, 60-66.	1.0	74
148	Elongation Factor Tu3 (EF-Tu3) from the Kirromycin Producer Streptomyces ramocissimus Is Resistant to Three Classes of EF-Tu-Specific Inhibitors. Journal of Bacteriology, 2007, 189, 3581-3590.	2.2	15
149	A New Piece of an Old Jigsaw: Glucose Kinase Is Activated Posttranslationally in a Glucose Transport-Dependent Manner in <i>Streptomyces coelicolor </i>A3(2). Journal of Molecular Microbiology and Biotechnology, 2007, 12, 67-74.	1.0	57
150	Characterization of the Sporulation Control Protein SsgA by Use of an Efficient Method To Create and Screen Random Mutant Libraries in Streptomycetes. Applied and Environmental Microbiology, 2007, 73, 2085-2092.	3.1	7
151	PREDetector: A new tool to identify regulatory elements in bacterial genomes. Biochemical and Biophysical Research Communications, 2007, 357, 861-864.	2.1	97
152	Structure and DNA cleavage properties of two copper(ii) complexes of the pyridine-pyrazole-containing ligands mbpzbpy and Hmpzbpya. Dalton Transactions, 2007, , 3676.	3.3	43
153	Unique Ligand-Based Oxidative DNA Cleavage by Zinc(II) Complexes of Hpyramol and Hpyrimol. Chemistry - A European Journal, 2007, 13, 5213-5222.	3.3	72
154	Loss of the controlled localization of growth stage-specific cell-wall synthesis pleiotropically affects developmental gene expression in an ssgA mutant of Streptomyces coelicolor. Molecular Microbiology, 2007, 64, 1244-1259.	2.5	55
155	Unlocking Streptomyces spp. for Use as Sustainable Industrial Production Platforms by Morphological Engineering. Applied and Environmental Microbiology, 2006, 72, 5283-5288.	3.1	117
156	The Square-Planar Cytotoxic [CuII(pyrimol)Cl] Complex Acts as an Efficient DNA Cleaver without Reductant. Journal of the American Chemical Society, 2006, 128, 710-711.	13.7	216
157	MreB of Streptomyces coelicolor is not essential for vegetative growth but is required for the integrity of aerial hyphae and spores. Molecular Microbiology, 2006, 60, 838-852.	2.5	98
158	The sugar phosphotransferase system of <i>Streptomyces coelicolor</i> is regulated by the GntRâ€family regulator DasR and links <i>N</i>â€acetylglucosamine metabolism to the control of development. Molecular Microbiology, 2006, 61, 1237-1251.	2.5	188
159	GlcP constitutes the major glucose uptake system of <i>Streptomyces coelicolor</i> A3(2). Molecular Microbiology, 2005, 55, 624-636.	2.5	70
160	SsgA-like proteins determine the fate of peptidoglycan during sporulation ofStreptomyces coelicolor. Molecular Microbiology, 2005, 58, 929-944.	2.5	70
161	From Dormant to Germinating Spores ofStreptomycescoelicolorA3(2):Â New Perspectives from thecrpNull Mutant. Journal of Proteome Research, 2005, 4, 1699-1708.	3.7	71
162	Novel Aspects of Signaling in Streptomyces Development. Advances in Applied Microbiology, 2004, 56, 65-88.	2.4	10

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170	ssgA Is Essential for Sporulation ofStreptomyces coelicolor A3(2) and Affects Hyphal Development by Stimulating Septum Formation. Journal of Bacteriology, 2000, 182, 5653-5662.	2.2	119
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