

Yasuo Ohnishi

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.

157 papers	5,116 citations	38 h-index	66 g-index
172 ext. papers	5,823 ext. citations	4.7 avg, IF	5.45 L-index

#	Paper	IF	Citations
157	Complete Biosynthetic Pathway of Alazopeptin, a Tripeptide Consisting of Two Molecules of 6-Diazo-5-oxo-L-norleucine and One Molecule of Alanine. <i>Angewandte Chemie</i> , 2021 , 133, 10407-10413	3.6	0
156	Complete Biosynthetic Pathway of Alazopeptin, a Tripeptide Consisting of Two Molecules of 6-Diazo-5-oxo-L-norleucine and One Molecule of Alanine. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10319-10325	16.4	2
155	Structural and Functional Analyses of the Tridomain-Nonribosomal Peptide Synthetase FmoA3 for 4-Methyloxazoline Ring Formation. <i>Angewandte Chemie</i> , 2021 , 133, 14675-14683	3.6	
154	Structural and Functional Analyses of the Tridomain-Nonribosomal Peptide Synthetase FmoA3 for 4-Methyloxazoline Ring Formation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14554-14562	16.4	5
153	Involvement of an FNR-like oxygen sensor in <i>Komagataeibacter medellinensis</i> for survival under oxygen depletion. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021 , 85, 2065-2075	2.1	
152	Ultrahigh Thermoresistant Lightweight Bioplastics Developed from Fermentation Products of Cellulosic Feedstock. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000193	5.9	7
151	Discovery of the 2,4PDihydroxy-3Pmethoxypropiofenone Biosynthesis Genes in <i>Aspergillus oryzae</i> . <i>ChemBioChem</i> , 2021 , 22, 203-211	3.8	
150	Enantioselective synthesis and stereochemical determination of the highly reduced polyketide ishigamide. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021 , 85, 148-153	2.1	
149	Rapid evaluation of the substrate specificity of 3-nitrobenzoic acid dioxygenase MnbAB via colorimetric detection using Saltzman reagent. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021 ,	4.2	1
148	Enhanced production of amino acid 3-amino-4-hydroxybenzoic acid by recombinant <i>Corynebacterium glutamicum</i> under oxygen limitation.. <i>Microbial Cell Factories</i> , 2021 , 20, 228	6.4	
147	Structural basis for selectivity in a highly reducing type II polyketide synthase. <i>Nature Chemical Biology</i> , 2020 , 16, 776-782	11.7	15
146	Involvement of three FliA-family sigma factors in the sporangium formation, spore dormancy and sporangium dehiscence in <i>Actinoplanes missouriensis</i> . <i>Molecular Microbiology</i> , 2020 , 113, 1170-1188	4.1	2
145	Efficient heterologous production of atrochrysone carboxylic acid-related polyketides in an <i>Aspergillus oryzae</i> host with enhanced malonyl-coenzyme A supply. <i>Journal of General and Applied Microbiology</i> , 2020 , 66, 195-199	1.5	1
144	Discovery of "heat shock metabolites" produced by thermotolerant actinomycetes in high-temperature culture. <i>Journal of Antibiotics</i> , 2020 , 73, 203-210	3.7	6
143	Characterization of Zoospore Type IV Pili in <i>Actinoplanes missouriensis</i> . <i>Journal of Bacteriology</i> , 2019 , 201,	3.5	5
142	Production of the plant polyketide curcumin in : strengthening malonyl-CoA supply for yield improvement. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019 , 83, 1372-1381	2.1	14
141	Phenolic Lipids Synthesized by Type III Polyketide Synthases 2019 , 139-149		

140	Switching the Ligand Specificity of the Biosensor XylS from to -Toluic Acid through Directed Evolution Exploiting a Dual Selection System. <i>ACS Synthetic Biology</i> , 2019 , 8, 2679-2689	5.7	5
139	Identification and Characterization of a Cell Wall Hydrolase for Sporangiospore Maturation in <i>Actinoplanes missouriensis</i> . <i>Journal of Bacteriology</i> , 2019 , 201,	3.5	1
138	Preparation of Zoospores and Assay for Their Adherence to Solid Surfaces. <i>Bio-protocol</i> , 2019 , 9, e3458	0.9	1
137	Formation of 5- or 6-Membered Ring via Nitrene Formation and Addition by a Cytochrome P450 in Benzastatin Biosynthesis. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2019 , 77, 912-919	0.2	
136	Type III Polyketide Synthases Responsible for Phenolic Lipid Synthesis 2019 , 435-443		
135	Involvement of Alkylation Machinery and Two Sets of Ketosynthase-Chain-Length Factors in the Biosynthesis of Fogacin Polyketides in <i>Actinoplanes missouriensis</i> . <i>ChemBioChem</i> , 2019 , 20, 1039-1050	3.8	5
134	A3 foresight network on natural products. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 313-317	4.2	
133	Genome engineering for microbial natural product discovery. <i>Current Opinion in Microbiology</i> , 2018 , 45, 53-60	7.9	20
132	Crystal structure of the nitrosuccinate lyase CreD in complex with fumarate provides insights into the catalytic mechanism for nitrous acid elimination. <i>FEBS Journal</i> , 2018 , 285, 1540-1555	5.7	7
131	Regulation of sporangium formation by the orphan response regulator TcrA in the rare actinomycete <i>Actinoplanes missouriensis</i> . <i>Molecular Microbiology</i> , 2018 , 107, 718-733	4.1	8
130	Reconstitution of a Type II Polyketide Synthase that Catalyzes Polyene Formation. <i>Angewandte Chemie</i> , 2018 , 130, 1972-1975	3.6	4
129	Reconstitution of a Type II Polyketide Synthase that Catalyzes Polyene Formation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1954-1957	16.4	29
128	Unprecedented Cyclization Catalyzed by a Cytochrome P450 in Benzastatin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6631-6639	16.4	51
127	Novel desferrioxamine derivatives synthesized using the secondary metabolism-specific nitrous acid biosynthetic pathway in <i>Streptomyces davawensis</i> . <i>Journal of Antibiotics</i> , 2018 , 71, 911-919	3.7	10
126	Caffeic acid production by simultaneous saccharification and fermentation of kraft pulp using recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 5279-5290	5.7	27
125	Bifunctionality of ActIV as a Cyclase-Thioesterase Revealed by in Vitro Reconstitution of Actinorhodin Biosynthesis in <i>Streptomyces coelicolor</i> A3(2). <i>ChemBioChem</i> , 2017 , 18, 316-323	3.8	16
124	Regulation of Sporangium Formation by BldD in the Rare Actinomycete <i>Actinoplanes missouriensis</i> . <i>Journal of Bacteriology</i> , 2017 , 199,	3.5	19
123	Protein acetylation involved in streptomycin biosynthesis in <i>Streptomyces griseus</i> . <i>Journal of Proteomics</i> , 2017 , 155, 63-72	3.9	17

122	Identification and characterization of a bacterial cytochrome P450 monooxygenase catalyzing the 3-nitration of tyrosine in rufomycin biosynthesis. <i>Journal of Biological Chemistry</i> , 2017 , 292, 15859-15869 ⁵⁻⁴	29
121	Phenolic Lipids Synthesized by Type III Polyketide Synthases 2017 , 1-11	2
120	Type III Polyketide Synthases Responsible for Phenolic Lipid Synthesis 2017 , 1-9	1
119	Phenolic Lipids Synthesized by Type III Polyketide Synthases 2017 , 1-11	
118	Biosynthetic Gene Cluster for Surugamide A Encompasses an Unrelated Decapeptide, Surugamide F. <i>ChemBioChem</i> , 2016 , 17, 1709-12	3.8 30
117	Genetic and Transcriptional Analyses of the Flagellar Gene Cluster in <i>Actinoplanes missouriensis</i> . <i>Journal of Bacteriology</i> , 2016 , 198, 2219-27	3.5 12
116	A nitrous acid biosynthetic pathway for diazo group formation in bacteria. <i>Nature Chemical Biology</i> , 2016 , 12, 73-5	11.7 49
115	Phenolic Lipids Synthesized by Type III Polyketide Synthases 2016 , 1-11	
114	Type III Polyketide Synthases Responsible for Phenolic Lipid Synthesis 2016 , 1-9	
113	Involvement of the Baeyer-Villiger Monooxygenase IfnQ in the Biosynthesis of Isofuranonaphthoquinone Scaffold of JBIR-76 and -77. <i>ChemBioChem</i> , 2016 , 17, 1021-8	3.8 7
112	Production of a Novel Amide-Containing Polyene by Activating a Cryptic Biosynthetic Gene Cluster in <i>Streptomyces</i> sp. MSC090213JE08. <i>ChemBioChem</i> , 2016 , 17, 1464-71	3.8 26
111	Aspartate kinase involved in 4-hydroxy-3-nitrosobenzamide biosynthesis in <i>Streptomyces murayamaensis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 2255-2263	2.1 2
110	Unexpected link between polyketide synthase and calcium carbonate biomineralization. <i>Zoological Letters</i> , 2015 , 1, 3	3 18
109	3-Amino-4-hydroxybenzoic acid production from sweet sorghum juice by recombinant <i>Corynebacterium glutamicum</i> . <i>Bioresource Technology</i> , 2015 , 198, 410-7	11 23
108	Identification and Characterization of the Streptazone E Biosynthetic Gene Cluster in <i>Streptomyces</i> sp. MSC090213JE08. <i>ChemBioChem</i> , 2015 , 16, 2385-91	3.8 18
107	Isolation of a novel plasmid from <i>Couchioplanes caeruleus</i> and construction of two plasmid vectors for gene expression in <i>Actinoplanes missouriensis</i> . <i>Plasmid</i> , 2015 , 77, 32-8	3.3 3
106	Biosynthesis of the 4-methyloxazoline-containing nonribosomal peptides, JBIR-34 and -35, in <i>Streptomyces</i> sp. Sp080513GE-23. <i>Chemistry and Biology</i> , 2014 , 21, 923-34	23
105	Regio- and stereospecific hydroxylation of various steroids at the 16 β position of the D ring by the <i>Streptomyces griseus</i> cytochrome P450 CYP154C3. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 1371-9	4.8 36

104	Isolation, structural elucidation and biosynthesis of 3-hydroxy-6-dimethylallylindolin-2-one, a novel prenylated indole derivative from <i>Actinoplanes missouriensis</i> . <i>Journal of Antibiotics</i> , 2014 , 67, 231-6	3.7	7
103	Two glycine riboswitches activate the glycine cleavage system essential for glycine detoxification in <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , 2014 , 196, 1369-76	3.5	21
102	Predictive model for epoxide hydrolase-generated stereochemistry in the biosynthesis of nine-membered enediyne antitumor antibiotics. <i>Biochemistry</i> , 2013 , 52, 5217-24	3.2	7
101	An alternative sigma factor governs the principal sigma factor in <i>Streptomyces griseus</i> . <i>Molecular Microbiology</i> , 2013 , 87, 1223-36	4.1	13
100	4-Hydroxy-3-methyl-6-(1-methyl-2-oxoalkyl)pyran-2-one synthesis by a type III polyketide synthase from <i>Rhodospirillum centenum</i> . <i>ChemBioChem</i> , 2013 , 14, 1006-13	3.8	17
99	Structural basis for cyclization specificity of two <i>Azotobacter</i> type III polyketide synthases: a single amino acid substitution reverses their cyclization specificity. <i>Journal of Biological Chemistry</i> , 2013 , 288, 34146-34157	5.4	22
98	Complex structure of the DNA-binding domain of AdpA, the global transcription factor in <i>Streptomyces griseus</i> , and a target duplex DNA reveals the structural basis of its tolerant DNA sequence specificity. <i>Journal of Biological Chemistry</i> , 2013 , 288, 31019-29	5.4	15
97	Purification, crystallization and preliminary X-ray analysis of the DNA-binding domain of AdpA, the central transcription factor in the A-factor regulatory cascade in the filamentous bacterium <i>Streptomyces griseus</i> , in complex with a duplex DNA. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 18, 211-8		4
96	Purification, crystallization and preliminary X-ray analysis of SGR6054, a <i>Streptomyces</i> homologue of the mycobacterial integration host factor mIHf. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 1085-8		
95	Identification of the SGR6065 gene product as a sesquiterpene cyclase involved in (+)-epicubenol biosynthesis in <i>Streptomyces griseus</i> . <i>Journal of Antibiotics</i> , 2012 , 65, 551-8	3.7	31
94	Proteomic analysis of the <i>Streptomyces griseus</i> ribosomal fraction. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012 , 76, 2267-74	2.1	2
93	Type III polyketide synthases in microorganisms. <i>Methods in Enzymology</i> , 2012 , 515, 359-77	1.7	37
92	Substrate recognition mechanism and substrate-dependent conformational changes of an ROK family glucokinase from <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , 2012 , 194, 607-16	3.5	20
91	The O-methyltransferase SrsB catalyzes the decarboxylative methylation of alkylresorcylic acid during phenolic lipid biosynthesis by <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , 2012 , 194, 1544-51	3.5	18
90	Structure/function correlations among coupled binuclear copper proteins through spectroscopic and reactivity studies of NspF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 10793-7	11.5	31
89	Genome-wide distribution of AdpA, a global regulator for secondary metabolism and morphological differentiation in <i>Streptomyces</i> , revealed the extent and complexity of the AdpA regulatory network. <i>DNA Research</i> , 2012 , 19, 259-73	4.5	68
88	Complete genome sequence of the motile actinomycete <i>Actinoplanes missouriensis</i> 431(T) (= NBRC 102363(T)). <i>Standards in Genomic Sciences</i> , 2012 , 7, 294-303		18
87	Characterization of a thermostable adenosine 5Pmonophosphate deaminase gene in <i>Streptomyces murinus</i> . <i>Journal of General and Applied Microbiology</i> , 2012 , 58, 65-70	1.5	0

86	Characterization of a novel sesquiterpene cyclase involved in (+)-caryolan-1-ol biosynthesis in <i>Streptomyces griseus</i> . <i>Journal of Biological Chemistry</i> , 2011 , 286, 27980-7	5.4	55
85	Naphthoquinone-like polyketide isolated from <i>Streptomyces</i> sp. RI-77 and its predicted biosynthetic pathway. <i>Journal of Natural Products</i> , 2011 , 74, 2588-91	4.9	5
84	?????????????????????. <i>Kagaku To Seibutsu</i> , 2011 , 49, 234-242	0	1
83	Strict regulation of morphological differentiation and secondary metabolism by a positive feedback loop between two global regulators AdpA and BldA in <i>Streptomyces griseus</i> . <i>Molecular Microbiology</i> , 2011 , 81, 1607-22	4.1	49
82	Control of aerial mycelium formation by the BldK oligopeptide ABC transporter in <i>Streptomyces griseus</i> . <i>FEMS Microbiology Letters</i> , 2011 , 315, 54-62	2.9	12
81	Substrate specificity of benzamide synthetase involved in 4-hydroxy-3-nitrosobenzamide biosynthesis. <i>Journal of Antibiotics</i> , 2011 , 64, 93-6	3.7	1
80	Purification, crystallization and preliminary X-ray analysis of glucokinase from <i>Streptomyces griseus</i> in complex with glucose. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011 , 67, 914-6		1
79	Crystal structure of curcuminoid synthase CUS from <i>Oryza sativa</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2011 , 79, 669-73	4.2	6
78	Characterization of the biosynthesis gene cluster for alkyl-O-dihydrogeranyl-methoxyhydroquinones in <i>Actinoplanes missouriensis</i> . <i>ChemBioChem</i> , 2011 , 12, 439-48	3.8	37
77	Identification of the first bacterial monoterpene cyclase, a 1,8-cineole synthase, that catalyzes the direct conversion of geranyl diphosphate. <i>ChemBioChem</i> , 2011 , 12, 1988-91	3.8	50
76	Fatty acyl-AMP ligase involvement in the production of alkylresorcylic acid by a <i>Myxococcus xanthus</i> type III polyketide synthase. <i>ChemBioChem</i> , 2011 , 12, 2166-76	3.8	37
75	Genome mining reveals two novel bacterial sesquiterpene cyclases: (-)-germacradien-4-ol and (-)-epi- β -isabolol synthases from <i>Streptomyces citricolor</i> . <i>ChemBioChem</i> , 2011 , 12, 2271-5	3.8	42
74	Identification and characterization of the linalool/nerolidol synthase from <i>Streptomyces clavuligerus</i> . <i>ChemBioChem</i> , 2011 , 12, 2403-7	3.8	38
73	Structural and biochemical elucidation of mechanism for decarboxylative condensation of beta-keto acid by curcumin synthase. <i>Journal of Biological Chemistry</i> , 2011 , 286, 6659-68	5.4	20
72	Characterization of <i>Actinoplanes missouriensis</i> spore flagella. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 2559-62	4.8	19
71	A copper-containing oxidase catalyzes C-nitrosation in nitrosobenzamide biosynthesis. <i>Nature Chemical Biology</i> , 2010 , 6, 641-3	11.7	32
70	Genome sequence of <i>Kitasatospora setae</i> NBRC 14216T: an evolutionary snapshot of the family Streptomycetaceae. <i>DNA Research</i> , 2010 , 17, 393-406	4.5	55
69	Precursor-directed biosynthesis of curcumin analogs in <i>Escherichia coli</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2010 , 74, 641-5	2.1	36

68	Production of dehydrogingerdione derivatives in Escherichia coli by exploiting a curcuminoid synthase from Oryza sativa and a l-oxidation pathway from Saccharomyces cerevisiae. <i>ChemBioChem</i> , 2010 , 11, 2034-41	3.8	5
67	Conditional Effect of the Deletion of eshA on Streptomycin Production in Streptomyces griseus IFO13350. <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , 2010 , 24, 45-50		1
66	DNA microarray analysis of global gene regulation by A-factor in Streptomyces griseus. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 2197-2210	2.9	42
65	CebR as a master regulator for cellulose/cellooligosaccharide catabolism affects morphological development in Streptomyces griseus. <i>Journal of Bacteriology</i> , 2009 , 191, 5930-40	3.5	27
64	Identification and gene disruption of small noncoding RNAs in Streptomyces griseus. <i>Journal of Bacteriology</i> , 2009 , 191, 4896-904	3.5	23
63	Dynamic changes in the extracellular proteome caused by absence of a pleiotropic regulator AdpA in Streptomyces griseus. <i>Molecular Microbiology</i> , 2009 , 73, 898-912	4.1	34
62	Identification and characterization of target genes of the GinI/GinR quorum-sensing system in Gluconacetobacter intermedius. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 3021-3032	2.9	18
61	?????????????????. <i>Kagaku To Seibutsu</i> , 2009 , 47, 419-426	0	2
60	Genome sequence of the streptomycin-producing microorganism Streptomyces griseus IFO 13350. <i>Journal of Bacteriology</i> , 2008 , 190, 4050-60	3.5	462
59	Chitinase inhibitor allosamidin promotes chitinase production of Streptomyces generally. <i>International Journal of Biological Macromolecules</i> , 2008 , 43, 13-9	7.9	13
58	An OmpA family protein, a target of the GinI/GinR quorum-sensing system in Gluconacetobacter intermedius, controls acetic acid fermentation. <i>Journal of Bacteriology</i> , 2008 , 190, 5009-19	3.5	12
57	Conditionally positive effect of the TetR-family transcriptional regulator AtrA on streptomycin production by Streptomyces griseus. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 905-914	2.9	39
56	Control of acetic acid fermentation by quorum sensing via N-acylhomoserine lactones in Gluconacetobacter intermedius. <i>Journal of Bacteriology</i> , 2008 , 190, 2546-55	3.5	38
55	A novel pair of terminal protein and telomere-associated protein for replication of the linear chromosome of Streptomyces griseus IFO13350. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008 , 72, 2973-80	2.1	10
54	GriC and GriD constitute a carboxylic acid reductase involved in grixazone biosynthesis in Streptomyces griseus. <i>Journal of Antibiotics</i> , 2007 , 60, 380-7	3.7	21
53	Evolution of gamma-butyrolactone synthases and receptors in Streptomyces. <i>Environmental Microbiology</i> , 2007 , 9, 1986-94	5.2	68
52	Arylamine N-acetyltransferase responsible for acetylation of 2-aminophenols in Streptomyces griseus. <i>Journal of Bacteriology</i> , 2007 , 189, 2155-9	3.5	24
51	Biosynthesis of gamma-butyrolactone autoregulators that switch on secondary metabolism and morphological development in Streptomyces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2378-83	11.5	165

50	A-factor and phosphate depletion signals are transmitted to the grixazone biosynthesis genes via the pathway-specific transcriptional activator GriR. <i>Journal of Bacteriology</i> , 2007 , 189, 3515-24	3.5	29
49	AfsR recruits RNA polymerase to the afsS promoter: a model for transcriptional activation by SARPs. <i>Journal of Molecular Biology</i> , 2007 , 369, 322-33	6.5	74
48	Combinatorial biosynthesis of flavones and flavonols in Escherichia coli. <i>Applied Microbiology and Biotechnology</i> , 2006 , 71, 53-8	5.7	119
47	Control of the Streptomyces Subtilisin inhibitor gene by AdpA in the A-factor regulatory cascade in Streptomyces griseus. <i>Journal of Bacteriology</i> , 2006 , 188, 6207-16	3.5	34
46	Novel benzene ring biosynthesis from C(3) and C(4) primary metabolites by two enzymes. <i>Journal of Biological Chemistry</i> , 2006 , 281, 36944-51	5.4	55
45	A novel o-aminophenol oxidase responsible for formation of the phenoxazinone chromophore of grixazone. <i>Journal of Biological Chemistry</i> , 2006 , 281, 824-33	5.4	47
44	Self-activation of serine/threonine kinase AfsK on autophosphorylation at threonine-168. <i>Journal of Antibiotics</i> , 2006 , 59, 117-23	3.7	7
43	Chitinase inhibitor allosamidin is a signal molecule for chitinase production in its producing Streptomyces II. Mechanism for regulation of chitinase production by allosamidin through a two-component regulatory system. <i>Journal of Antibiotics</i> , 2006 , 59, 410-7	3.7	13
42	Transcriptional control by A-factor of strR, the pathway-specific transcriptional activator for streptomycin biosynthesis in Streptomyces griseus. <i>Journal of Bacteriology</i> , 2005 , 187, 5595-604	3.5	58
41	Autorepression of AdpA of the AraC/XylS family, a key transcriptional activator in the A-factor regulatory cascade in Streptomyces griseus. <i>Journal of Molecular Biology</i> , 2005 , 350, 12-26	6.5	40
40	A calmodulin-like protein in the bacterial genus Streptomyces. <i>FEMS Microbiology Letters</i> , 2005 , 244, 315-21	2.9	15
39	Efficient production of (2S)-flavanones by Escherichia coli containing an artificial biosynthetic gene cluster. <i>Applied Microbiology and Biotechnology</i> , 2005 , 68, 498-504	5.7	141
38	Three chymotrypsin genes are members of the AdpA regulon in the A-factor regulatory cascade in Streptomyces griseus. <i>Journal of Bacteriology</i> , 2005 , 187, 6341-53	3.5	29
37	AdpA, a central transcriptional regulator in the A-factor regulatory cascade that leads to morphological development and secondary metabolism in Streptomyces griseus. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005 , 69, 431-9	2.1	186
36	The Streptomyces subtilisin inhibitor (SSI) gene in Streptomyces coelicolor A3(2). <i>Bioscience, Biotechnology and Biochemistry</i> , 2005 , 69, 1624-9	2.1	17
35	Biosynthesis of hexahydroxyperylenequinone melanin via oxidative aryl coupling by cytochrome P-450 in Streptomyces griseus. <i>Journal of Bacteriology</i> , 2005 , 187, 8149-55	3.5	75
34	Transcriptional control by A-factor of two trypsin genes in Streptomyces griseus. <i>Journal of Bacteriology</i> , 2005 , 187, 286-95	3.5	43
33	A single target is sufficient to account for the biological effects of the A-factor receptor protein of Streptomyces griseus. <i>Journal of Bacteriology</i> , 2004 , 186, 2206-11	3.5	36

32	DNA-binding specificity of AdpA, a transcriptional activator in the A-factor regulatory cascade in <i>Streptomyces griseus</i> . <i>Molecular Microbiology</i> , 2004 , 53, 555-72	4.1	83
31	Crystal structure of a gamma-butyrolactone autoregulator receptor protein in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Molecular Biology</i> , 2004 , 336, 409-19	6.5	86
30	Structures of grixazone A and B, A-factor-dependent yellow pigments produced under phosphate depletion by <i>Streptomyces griseus</i> . <i>Journal of Antibiotics</i> , 2004 , 57, 218-23	3.7	27
29	Molecular genetics of <i>Streptomyces</i> -Regulation of secondary metabolism and morphological differentiation. <i>Nippon Nogeikagaku Kaishi</i> , 2003 , 77, 852-858		2
28	Heterologous production of flavanones in <i>Escherichia coli</i> : potential for combinatorial biosynthesis of flavonoids in bacteria. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2003 , 30, 456-61	4.2	65
27	Biotransformation of flavone and flavanone by <i>Streptomyces lividans</i> cells carrying shuffled biphenyl dioxygenase genes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003 , 21, 113-121		36
26	amfR, an essential gene for aerial mycelium formation, is a member of the AdpA regulon in the A-factor regulatory cascade in <i>Streptomyces griseus</i> . <i>Molecular Microbiology</i> , 2003 , 50, 1173-87	4.1	43
25	Crystallization of CprB, an autoregulator-receptor protein from <i>Streptomyces coelicolor</i> A3(2). <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003 , 59, 2313-5		15
24	Hydroxylation of ionized aromatics including carboxylic acid or amine using recombinant <i>Streptomyces lividans</i> cells expressing modified biphenyl dioxygenase genes. <i>Tetrahedron</i> , 2003 , 59, 1895-1900	2.4	12
23	Cinnamate:coenzyme A ligase from the filamentous bacterium <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Bacteriology</i> , 2003 , 185, 20-7	3.5	65
22	Transcriptional switch on of ssgA by A-factor, which is essential for spore septum formation in <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , 2003 , 185, 1273-83	3.5	69
21	Production of plant-specific flavanones by <i>Escherichia coli</i> containing an artificial gene cluster. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 2699-706	4.8	188
20	The A-factor Regulatory Cascade in the Regulation of Physiological and Morphological Development in <i>Streptomyces griseus</i> .. <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , 2003 , 17, 23-27		1
19	Deprogrammed sporulation in <i>Streptomyces</i> . <i>FEMS Microbiology Letters</i> , 2002 , 216, 1-7	2.9	31
18	Properties and substrate specificity of RppA, a chalcone synthase-related polyketide synthase in <i>Streptomyces griseus</i> . <i>Journal of Biological Chemistry</i> , 2002 , 277, 4628-35	5.4	73
17	AmfS, an extracellular peptidic morphogen in <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , 2002 , 184, 1488-92	3.5	65
16	Alteration of reaction and substrate specificity of a bacterial type III polyketide synthase by site-directed mutagenesis. <i>Biochemical Journal</i> , 2002 , 367, 781-9	3.8	39
15	ATP-binding cassette transport system involved in regulation of morphological differentiation in response to glucose in <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , 2002 , 184, 91-103	3.5	54

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13	Oxygenation reactions of various tricyclic fused aromatic compounds using <i>Escherichia coli</i> and <i>Streptomyces lividans</i> transformants carrying several arene dioxygenase genes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001 , 65, 2472-81	2.1	17
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