

Jae-Kyung Sohng

List of Publications by Year in descending order

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249
papers

5,996
citations

61984

43
h-index

138484

58
g-index

257
all docs

257
docs citations

257
times ranked

5684
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial production of natural and non-natural flavonoids: Pathway engineering, directed evolution and systems/synthetic biology. <i>Biotechnology Advances</i> , 2016, 34, 634-662.	11.7	214
2	Methylation of flavonoids: Chemical structures, bioactivities, progress and perspectives for biotechnological production. <i>Enzyme and Microbial Technology</i> , 2016, 86, 103-116.	3.2	140
3	Marine Rare Actinobacteria: Isolation, Characterization, and Strategies for Harnessing Bioactive Compounds. <i>Frontiers in Microbiology</i> , 2017, 8, 1106.	3.5	108
4	A Review on Structure, Modifications and Structure-Activity Relation of Quercetin and Its Derivatives. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 11-20.	2.1	99
5	Production of 3-O-xylosyl quercetin in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 1889-1901.	3.6	85
6	Isolation and characterization of the tobramycin biosynthetic gene cluster from <i>Streptomyces tenebrarius</i> . <i>FEMS Microbiology Letters</i> , 2004, 230, 185-190.	1.8	84
7	A gene cluster for biosynthesis of kanamycin from <i>Streptomyces kanamyceticus</i> : comparison with gentamicin biosynthetic gene cluster. <i>Archives of Biochemistry and Biophysics</i> , 2004, 429, 204-214.	3.0	84
8	Enzymatic Synthesis of Novel Phloretin Glucosides. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3516-3521.	3.1	81
9	Neocarzinostatin naphthoate synthase: an unique iterative type I PKS from neocarzinostatin producer <i>Streptomyces carzinostaticus</i> . <i>FEBS Letters</i> , 2004, 566, 201-206.	2.8	80
10	An Insight into the "Omics"-Based Engineering of Streptomycetes for Secondary Metabolite Overproduction. <i>BioMed Research International</i> , 2013, 2013, 1-15.	1.9	79
11	Apigenin Inhibits Cancer Stem Cell-Like Phenotypes in Human Glioblastoma Cells via Suppression of c-Met Signaling. <i>Phytotherapy Research</i> , 2016, 30, 1833-1840.	5.8	78
12	Discovery of parallel pathways of kanamycin biosynthesis allows antibiotic manipulation. <i>Nature Chemical Biology</i> , 2011, 7, 843-852.	8.0	77
13	Assessing acceptor substrate promiscuity of YjiC-mediated glycosylation toward flavonoids. <i>Carbohydrate Research</i> , 2014, 393, 26-31.	2.3	70
14	Heterologous expression of tylosin polyketide synthase and production of a hybrid bioactive macrolide in <i>Streptomyces venezuelae</i> . <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 763-769.	3.6	69
15	Self-resistance mechanism in <i>Streptomyces peucetius</i> : Overexpression of <i>drrA</i> , <i>drrB</i> and <i>drrC</i> for doxorubicin enhancement. <i>Microbiological Research</i> , 2010, 165, 259-267.	5.3	67
16	Improved Squalene Production via Modulation of the Methylerythritol 4-Phosphate Pathway and Heterologous Expression of Genes from <i>Streptomyces peucetius</i> ATCC 27952 in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2009, 75, 7291-7293.	3.1	64
17	Enzymatic Synthesis of Apigenin Glucosides by Glucosyltransferase (YjiC) from <i>Bacillus licheniformis</i> DSM 13. <i>Molecules and Cells</i> , 2013, 36, 355-361.	2.6	62
18	Regiospecific modifications of naringenin for astragalins production in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2013, 110, 2525-2535.	3.3	62

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19	Sparassis crispa exerts anti-inflammatory activity via suppression of TLR-mediated NF- κ B and MAPK signaling pathways in LPS-induced RAW264.7 macrophage cells. <i>Journal of Ethnopharmacology</i> , 2019, 231, 10-18.	4.1	62
20	2-Deoxystreptamine-containing aminoglycoside antibiotics: Recent advances in the characterization and manipulation of their biosynthetic pathways. <i>Natural Product Reports</i> , 2013, 30, 11-20.	10.3	60
21	Expanding substrate specificity of GT β fold glycosyltransferase via domain swapping and high-throughput screening. <i>Biotechnology and Bioengineering</i> , 2009, 102, 988-994.	3.3	59
22	Inactivation of the Carbamoyltransferase Gene Refines Post-Polyketide Synthase Modification Steps in the Biosynthesis of the Antitumor Agent Geldanamycin. <i>Journal of the American Chemical Society</i> , 2004, 126, 11142-11143.	13.7	58
23	Enzymatic Biosynthesis of Novel Resveratrol Glucoside and Glycoside Derivatives. <i>Applied and Environmental Microbiology</i> , 2014, 80, 7235-7243.	3.1	58
24	Genome-enabled discovery of anthraquinone biosynthesis in <i>Senna tora</i> . <i>Nature Communications</i> , 2020, 11, 5875.	12.8	57
25	Development of a <i>Streptomyces venezuelae</i> -Based Combinatorial Biosynthetic System for the Production of Glycosylated Derivatives of Doxorubicin and Its Biosynthetic Intermediates. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4912-4923.	3.1	56
26	Genetic dissection of the biosynthetic route to gentamicin A ₂ by heterologous expression of its minimal gene set. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8399-8404.	7.1	55
27	Inhibitory effects of kaempferol-3-O-rhamnoside on ovalbumin-induced lung inflammation in a mouse model of allergic asthma. <i>International Immunopharmacology</i> , 2015, 25, 302-310.	3.8	55
28	Methylation and subsequent glycosylation of 7,8-dihydroxyflavone. <i>Journal of Biotechnology</i> , 2014, 184, 128-137.	3.8	54
29	Hydroxylation of diverse flavonoids by CYP450 BM3 variants: biosynthesis of eriodictyol from naringenin in whole cells and its biological activities. <i>Microbial Cell Factories</i> , 2016, 15, 135.	4.0	54
30	Mass spectrometric screening of transcriptional regulators involved in antibiotic biosynthesis in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1073-1083.	3.0	53
31	Biotechnological Advances in Resveratrol Production and its Chemical Diversity. <i>Molecules</i> , 2019, 24, 2571.	3.8	53
32	Biotechnological doxorubicin production: pathway and regulation engineering of strains for enhanced production. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1187-1194.	3.6	52
33	Inhibitory effect of phloretin and biochanin A on IgE-mediated allergic responses in rat basophilic leukemia RBL-2H3 cells. <i>Life Sciences</i> , 2013, 93, 401-408.	4.3	52
34	Identification of <i>Streptomyces violaceoruber</i> T \bar{A} 1422 genes involved in the biosynthesis of granaticin. <i>Molecular Genetics and Genomics</i> , 1995, 248, 610-620.	2.4	51
35	Genome analyses of <i>Streptomyces peucetius</i> ATCC 27952 for the identification and comparison of cytochrome P450 complement with other <i>Streptomyces</i> . <i>Archives of Biochemistry and Biophysics</i> , 2004, 425, 233-241.	3.0	51
36	Reversal of P-glycoprotein-mediated multidrug resistance by 5,6,7,3,4-pentamethoxyflavone (Sinensetin). <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 832-840.	2.1	50

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37	The immunostimulating activity of quercetin 3-O-xyloside in murine macrophages via activation of the ASK1/MAPK/NF- κ B signaling pathway. <i>International Immunopharmacology</i> , 2016, 31, 88-97.	3.8	50
38	Advances in Biochemistry and Microbial Production of Squalene and Its Derivatives. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 441-451.	2.1	49
39	Limitations in doxorubicin production from <i>Streptomyces peucetius</i> . <i>Microbiological Research</i> , 2010, 165, 427-435.	5.3	47
40	Probing 3-Hydroxyflavone for <i>In Vitro</i> Glycorandomization of Flavonols by YjiC. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6833-6838.	3.1	47
41	Glucosylation of Isoflavonoids in Engineered <i>Escherichia coli</i> . <i>Molecules and Cells</i> , 2014, 37, 172-177.	2.6	47
42	Production and biological activity of laidlomycin, anti-MRSA/VRE antibiotic from <i>Streptomyces</i> sp. CS684. <i>Journal of Microbiology</i> , 2007, 45, 6-10.	2.8	47
43	Identification and characterization of the <i>afsR</i> homologue regulatory gene from <i>Streptomyces peucetius</i> ATCC 27952. <i>Research in Microbiology</i> , 2005, 156, 707-712.	2.1	45
44	Production, isolation and biological activity of nargenicin from <i>Nocardia</i> sp. CS682. <i>Archives of Pharmacal Research</i> , 2008, 31, 1339-1345.	6.3	45
45	Characterization and structure identification of an antimicrobial peptide, hominicin, produced by <i>Staphylococcus hominis</i> MBBL 2. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 133-138.	2.1	45
46	New olivosyl derivatives of methymycin/pikromycin from an engineered strain of. <i>FEMS Microbiology Letters</i> , 2004, 238, 391-399.	1.8	44
47	New olivosyl derivatives of methymycin/pikromycin from an engineered strain of <i>Streptomyces venezuelae</i> . <i>FEMS Microbiology Letters</i> , 2004, 238, 391-399.	1.8	42
48	Recent biotechnological progress in enzymatic synthesis of glycosides. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 1329-1356.	3.0	42
49	Synthetic sugar cassettes for the efficient production of flavonol glycosides in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2015, 14, 76.	4.0	42
50	Inhibition of glyceraldehyde-3-phosphate dehydrogenase by pentalenolactone: Kinetic and mechanistic studies. <i>Archives of Biochemistry and Biophysics</i> , 1989, 270, 50-61.	3.0	41
51	The ginsenoside metabolite compound K inhibits growth, migration and stemness of glioblastoma cells. <i>International Journal of Oncology</i> , 2017, 51, 414-424.	3.3	41
52	Genetic engineering approach for the production of rhamnosyl and allosyl flavonoids from <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2010, 107, 154-162.	3.3	40
53	Biosynthesis of rubradirin as an ansamycin antibiotic from <i>Streptomyces achromogenes</i> var. <i>rubradiris</i> NRRL3061. <i>Archives of Microbiology</i> , 2008, 189, 463-473.	2.2	39
54	Bioactive molecules from <i>Nocardia</i> : diversity, bioactivities and biosynthesis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 385-407.	3.0	39

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55	Recent Advances in Strategies for Activation and Discovery/Characterization of Cryptic Biosynthetic Gene Clusters in Streptomyces. <i>Microorganisms</i> , 2020, 8, 616.	3.6	39
56	Heterologous expression of metK1-sp and afsR-sp in <i>Streptomyces venezuelae</i> for the production of pikromycin. <i>Biotechnology Letters</i> , 2008, 30, 1621-1626.	2.2	38
57	Enzymatic synthesis of epothilone A glycosides. <i>AMB Express</i> , 2014, 4, 31.	3.0	38
58	One-pot enzymatic production of dTDP-4-Keto-6-Deoxy-d-glucose from dTMP and glucose-1-phosphate. <i>Biotechnology and Bioengineering</i> , 2003, 84, 452-458.	3.3	37
59	Insight into phosphate doped BiVO ₄ heterostructure for multifunctional photocatalytic performances: A combined experimental and DFT study. <i>Applied Surface Science</i> , 2019, 466, 787-800.	6.1	36
60	Heterologous production of epothilones B and D in <i>Streptomyces venezuelae</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 81, 109-117.	3.6	35
61	Biosynthesis of flavone C-glycosides in engineered <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 1251-1267.	3.6	35
62	Biosynthesis of resveratrol and piceatannol in engineered microbial strains: achievements and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 2959-2972.	3.6	35
63	7,8-Dihydroxyflavone inhibits adipocyte differentiation via antioxidant activity and induces apoptosis in 3T3-L1 preadipocyte cells. <i>Life Sciences</i> , 2016, 144, 103-112.	4.3	34
64	3-O-Glucosylation of quercetin enhances inhibitory effects on the adipocyte differentiation and lipogenesis. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 589-598.	5.6	34
65	<i>Streptomyces</i> sp. VN1, a producer of diverse metabolites including non-natural furan-type anticancer compound. <i>Scientific Reports</i> , 2020, 10, 1756.	3.3	34
66	Novel Method for Detection of Butanolides in <i>Streptomyces coelicolor</i> Culture Broth, Using a His-Tagged Receptor (ScbR) and Mass Spectrometry. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5050-5055.	3.1	33
67	Synthesis of umbelliferone derivatives in <i>Escherichia coli</i> and their biological activities. <i>Journal of Biological Engineering</i> , 2017, 11, 15.	4.7	33
68	Formation and Attachment of the Deoxysugar Moiety and Assembly of the Gene Cluster for Caprazamycin Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4008-4018.	3.1	32
69	Isolation and structure determination of pentalenolactones A, B, D, and F. <i>Journal of Organic Chemistry</i> , 1992, 57, 844-851.	3.2	31
70	Improvement in doxorubicin productivity by overexpression of regulatory genes in <i>Streptomyces peucetius</i> . <i>Research in Microbiology</i> , 2010, 161, 109-117.	2.1	31
71	Achievements and impacts of glycosylation reactions involved in natural product biosynthesis in prokaryotes. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5691-5704.	3.6	31
72	Recent Advances in Exploration and Biotechnological Production of Bioactive Compounds in Three Cyanobacterial Genera: <i>Nostoc</i> , <i>Lyngbya</i> , and <i>Microcystis</i> . <i>Frontiers in Chemistry</i> , 2019, 7, 604.	3.6	31

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73	Recent advances in biochemistry and biotechnological synthesis of avermectins and their derivatives. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7747-7759.	3.6	30
74	Combinatorial approach for improved cyanidin 3-O-glucoside production in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2019, 18, 7.	4.0	30
75	Both extracellular chitinase and a new cyclic lipopeptide, chromobactomycin, contribute to the biocontrol activity of <i>Chromobacterium</i> sp. C61. <i>Molecular Plant Pathology</i> , 2014, 15, 122-132.	4.2	29
76	Glycosylation and subsequent malonylation of isoflavonoids in <i>E. coli</i> : strain development, production and insights into future metabolic perspectives. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1647-1658.	3.0	29
77	Broad-spectrum neutralization of avian influenza viruses by sialylated human milk oligosaccharides: in vivo assessment of 3-sialyllactose against H9N2 in chickens. <i>Scientific Reports</i> , 2018, 8, 2563.	3.3	29
78	Functional characterizations of novWUS involved in novobiocin biosynthesis from <i>Streptomyces spheroides</i> . <i>Archives of Biochemistry and Biophysics</i> , 2005, 436, 161-167.	3.0	27
79	Construction of Artificial Biosynthetic Pathways for Resveratrol Glucoside Derivatives. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 614-618.	2.1	27
80	An efficient approach for cloning the dNDP-glucose synthase gene from actinomycetes and its application in <i>Streptomyces spectabilis</i> , a spectinomycin producer. <i>FEMS Microbiology Letters</i> , 2000, 183, 183-189.	1.8	26
81	Microbial Biosynthesis of Antibacterial Chrysoeriol in Recombinant <i>Escherichia coli</i> and Bioactivity Assessment. <i>Catalysts</i> , 2019, 9, 112.	3.5	26
82	Synthesis of Curcumin Glycosides with Enhanced Anticancer Properties Using One-Pot Multienzyme Glycosylation Technique. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 1639-1648.	2.1	26
83	Cytochrome P450 (CYP105F2) from <i>Streptomyces peucetius</i> and its activity with oleandomycin. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 555-62.	3.6	25
84	Metabolic Engineering of <i>Escherichia coli</i> for the Biological Synthesis of 7-O-Xylosyl Naringenin. <i>Molecules and Cells</i> , 2009, 28, 397-402.	2.6	25
85	Biosynthesis of the nargenicin A1 pyrrole moiety from <i>Nocardia</i> sp. CS682. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 687-696.	3.6	25
86	Enhanced production of nargenicin A1 and creation of a novel derivative using a synthetic biology platform. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9917-9931.	3.6	25
87	Engineering actinomycetes for biosynthesis of macrolactone polyketides. <i>Microbial Cell Factories</i> , 2019, 18, 137.	4.0	25
88	Heterologous expression of the kanamycin biosynthetic gene cluster (pSKC2) in <i>Streptomyces venezuelae</i> YJ003. <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 1357-1364.	3.6	24
89	Improvement of Regio-Specific Production of Myricetin-3-O- β -L-Rhamnoside in Engineered <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1956-1967.	2.9	24
90	Characterization of FK506 Biosynthetic Intermediates Involved in Post-PKS Elaboration. <i>Journal of Natural Products</i> , 2013, 76, 1091-1098.	3.0	24

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91	Efficient enzymatic systems for synthesis of novel Î±-mangostin glycosides exhibiting antibacterial activity against Gram-positive bacteria. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8527-8538.	3.6	24
92	Metabolic engineering of <i>Escherichia coli</i> for the production of isoflavonoid methoxides and their biological activities. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 484-493.	3.1	24
93	Enhanced Production of Nargenicin A1 and Generation of Novel Glycosylated Derivatives. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 2934-2949.	2.9	22
94	Di(2-ethylhexyl)phthalate leached from medical PVC devices serves as a substrate and inhibitor for the P-glycoprotein. <i>Environmental Toxicology and Pharmacology</i> , 2007, 23, 272-278.	4.0	21
95	Modification of emodin and aloe-emodin by glycosylation in engineered <i>Escherichia coli</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 611-619.	3.6	21
96	Cascade biocatalysis systems for bioactive naringenin glucosides and quercetin rhamnoside production from sucrose. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7953-7969.	3.6	21
97	Enzymatic synthesis of vancomycin derivatives using galactosyltransferase and sialyltransferase. <i>Journal of Antibiotics</i> , 2011, 64, 103-109.	2.0	20
98	Activation of Cryptic hop Genes from <i>Streptomyces peucetius</i> ATCC 27952 Involved in Hopanoid Biosynthesis. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 658-661.	2.1	20
99	Complete genome sequence of <i>Streptomyces peucetius</i> ATCC 27952, the producer of anticancer anthracyclines and diverse secondary metabolites. <i>Journal of Biotechnology</i> , 2018, 267, 50-54.	3.8	19
100	Two Trifunctional Leoir Glycosyltransferases as Biocatalysts for Natural Products Glycodiversification. <i>Organic Letters</i> , 2019, 21, 8058-8064.	4.6	19
101	A Two-component Regulatory System Involved in Clavulanic Acid Production. <i>Journal of Antibiotics</i> , 2008, 61, 651-659.	2.0	18
102	Exploration of glycosylated flavonoids from metabolically engineered <i>E. coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 754-760.	2.6	18
103	Enhancement of pradimicin production in <i>Actinomadura hibisca</i> P157-2 by metabolic engineering. <i>Microbiological Research</i> , 2011, 167, 32-39.	5.3	18
104	Herboxidiene biosynthesis, production, and structural modifications: prospect for hybrids with related polyketide. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8351-8362.	3.6	18
105	Overexpression of a pathway specific negative regulator enhances production of daunorubicin in <i>bldA</i> deficient <i>Streptomyces peucetius</i> ATCC 27952. <i>Microbiological Research</i> , 2016, 192, 96-102.	5.3	18
106	Coalition of Biology and Chemistry for Ameliorating Antimicrobial Drug Discovery. <i>Frontiers in Microbiology</i> , 2017, 8, 734.	3.5	18
107	Quercetin 3-O-xyloside ameliorates acute pancreatitis in vitro via the reduction of ER stress and enhancement of apoptosis. <i>Phytomedicine</i> , 2019, 55, 40-49.	5.3	18
108	Biocatalytic Synthesis of Non-Natural Monoterpene Glycosides Exhibiting Superior Antibacterial and Antinematodal Properties. <i>ACS Omega</i> , 2019, 4, 9367-9375.	3.5	18

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109	Preparative synthesis of dTDP-L-rhamnose through combined enzymatic pathways. <i>Biotechnology and Bioengineering</i> , 2006, 93, 21-27.	3.3	17
110	Exploration of geosmin synthase from <i>Streptomyces peucetius</i> ATCC 27952 by deletion of doxorubicin biosynthetic gene cluster. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1257-1265.	3.0	17
111	Metabolic Engineering of Rational Screened <i>Saccharopolyspora spinosa</i> for the Enhancement of Spinosyns A and D Production. <i>Molecules and Cells</i> , 2014, 37, 727-733.	2.6	17
112	Expanded acceptor substrates flexibility study of flavonol 7-O-rhamnosyltransferase, AtUGT89C1 from <i>Arabidopsis thaliana</i> . <i>Carbohydrate Research</i> , 2015, 418, 13-19.	2.3	17
113	Biosynthesis of amino deoxy-sugar-conjugated flavonol glycosides by engineered <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2015, 101, 191-199.	3.6	17
114	Synthetic analog of anticancer drug daunorubicin from daunorubicinone using one-pot enzymatic UDP-recycling glycosylation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 124, 1-10.	1.8	17
115	Modular pathway engineering for resveratrol and piceatannol production in engineered <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9691-9706.	3.6	17
116	Superoxide dismutase (SOD) genes in <i>Streptomyces peucetius</i> : Effects of SODs on secondary metabolites production. <i>Microbiological Research</i> , 2011, 166, 391-402.	5.3	16
117	Role of <i>orf21</i> factor in clavulanic acid production in <i>Streptomyces clavuligerus</i> NRRL3585. <i>Microbiological Research</i> , 2011, 166, 369-379.	5.3	16
118	Hydrogen peroxide-mediated dealkylation of 7-ethoxycoumarin by cytochrome P450 (CYP107A1) from <i>Streptomyces peucetius</i> ATCC27952. <i>Enzyme and Microbial Technology</i> , 2011, 48, 181-186.	3.2	16
119	Antibacterial Activity and Increased Freeze-Drying Stability of Sialyllactose-Reduced Silver Nanoparticles Using Sucrose and Trehalose. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 3884-3895.	0.9	16
120	Metabolic Engineering of <i>Nocardia</i> sp. CS682 for Enhanced Production of Nargenicin A1. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 805-817.	2.9	16
121	Cloning and functional characterization of an α -1,3-fucosyltransferase from <i>Bacteroides fragilis</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 843-849.	2.6	16
122	Improved production of 1-deoxynojirimycin in <i>Escherichia coli</i> through metabolic engineering. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 77.	3.6	16
123	Synthesis of higher-carbon sugars: preparation and reaction of α -2-hydroxysulfonyl sugars. <i>Tetrahedron Letters</i> , 1988, 29, 2847-2850.	1.4	15
124	Heterologous Production of Paromamine in <i>Streptomyces lividans</i> TK24 Using Kanamycin Biosynthetic Genes from <i>Streptomyces kanamyceticus</i> ATCC12853. <i>Molecules and Cells</i> , 2009, 27, 601-608.	2.6	15
125	Squalene-hopene cyclase (Spterp25) from <i>Streptomyces peucetius</i> : sequence analysis, expression and functional characterization. <i>Biotechnology Letters</i> , 2009, 31, 565-569.	2.2	15
126	Re-engineering of genetic circuit for 2-deoxystreptamine (2-DOS) biosynthesis in <i>Escherichia coli</i> BL21 (DE3). <i>Biotechnology Letters</i> , 2013, 35, 285-293.	2.2	15

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127	Genome-based cryptic gene discovery and functional identification of NRPS siderophore peptide in <i>Streptomyces peucetius</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 1213-1222.	3.6	15
128	Commentary: Toward a new focus in antibiotic and drug discovery from the <i>Streptomyces</i> arsenal. <i>Frontiers in Microbiology</i> , 2015, 6, 727.	3.5	15
129	Anticancer activity of 7,8-dihydroxyflavone in melanoma cells via downregulation of $\hat{\pm}$ -MSH/cAMP/MITF pathway. <i>Oncology Reports</i> , 2016, 36, 528-534.	2.6	15
130	Enzymatic and Microbial Biosynthesis of Novel Violacein Glycosides with Enhanced Water Solubility and Improved Anti-nematode Activity. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 366-374.	2.6	15
131	Switching Antibiotics Production On and Off in Actinomycetes by an IclR Family Transcriptional Regulator from <i>Streptomyces peucetius</i> ATCC 27952. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 1065-1072.	2.1	15
132	One-pot Enzymatic Synthesis of UDP-D-glucose from UMP and Glucose-1-phosphate Using an ATP Regeneration System. <i>BMB Reports</i> , 2004, 37, 503-506.	2.4	15
133	Precursor for biosynthesis of sugar moiety of doxorubicin depends on rhamnose biosynthetic pathway in <i>Streptomyces peucetius</i> ATCC 27952. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1565-1574.	3.6	14
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