

Ikuko Kozone

List of Publications by Year in descending order

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41
papers

1,141
citations

430874

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395702

33
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docs citations

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times ranked

1511
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineered <i>Streptomyces avermitilis</i> Host for Heterologous Expression of Biosynthetic Gene Cluster for Secondary Metabolites. <i>ACS Synthetic Biology</i> , 2013, 2, 384-396.	3.8	197
2	MIDDAS-M: Motif-Independent De Novo Detection of Secondary Metabolite Gene Clusters through the Integration of Genome Sequencing and Transcriptome Data. <i>PLoS ONE</i> , 2013, 8, e84028.	2.5	106
3	Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolylol Polyketides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1740-1745.	13.8	103
4	<i>Streptomyces</i> associated with a marine sponge <i>Haliclona</i> sp.; biosynthetic genes for secondary metabolites and products. <i>Environmental Microbiology</i> , 2011, 13, 391-403.	3.8	93
5	Neothioviridamide, a Polythioamide Compound Produced by Heterologous Expression of a <i>Streptomyces</i> sp. Cryptic RiPP Biosynthetic Gene Cluster. <i>Journal of Natural Products</i> , 2018, 81, 264-269.	3.0	48
6	Reprogramming of the antimycin NRPS-PKS assembly lines inspired by gene evolution. <i>Nature Communications</i> , 2018, 9, 3534.	12.8	47
7	Novel Î ² -1,3-, 1,6-oligoglucan elicitor from <i>Alternaria alternata</i> 102 for defense responses in tobacco. <i>FEBS Journal</i> , 2006, 273, 2421-2431.	4.7	44
8	Novel thioviridamide derivative JBIR-140: heterologous expression of the gene cluster for thioviridamide biosynthesis. <i>Journal of Antibiotics</i> , 2015, 68, 533-536.	2.0	38
9	Solophenols D and Solomonin: New Prenylated Polyphenols Isolated from Propolis Collected from The Solomon Islands and Their Antibacterial Activity.. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 11765-11770.	5.2	36
10	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, 923-934.	6.0	33
11	New acylated anthocyanins from purple yam and their antioxidant activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1484-1492.	1.3	33
12	Biosynthesis of Quinolidomicin, the Largest Known Macrolide of Terrestrial Origin: Identification and Heterologous Expression of a Biosynthetic Gene Cluster over 200 kb. <i>Organic Letters</i> , 2018, 20, 7996-7999.	4.6	33
13	In vitro Cas9-assisted editing of modular polyketide synthase genes to produce desired natural product derivatives. <i>Nature Communications</i> , 2020, 11, 4022.	12.8	25
14	Analysis of the biological activity of a novel 24-membered macrolide JBIR-19 in <i>Saccharomyces cerevisiae</i> by the morphological imaging program CalMorph. <i>FEMS Yeast Research</i> , 2012, 12, 293-304.	2.3	23
15	Identification of a gene cluster for telomestatin biosynthesis and heterologous expression using a specific promoter in a clean host. <i>Scientific Reports</i> , 2017, 7, 3382.	3.3	23
16	New glycosylated derivatives of versipelostatin, the GRP78/Bip molecular chaperone down-regulator, from <i>Streptomyces versipellis</i> 4083-SVS6. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1454.	2.8	21
17	Relationship between Response to and Production of the Aerial Mycelium-inducing Substances Pamamycin-607 and A-factor. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 803-808.	1.3	20
18	JBIR-52, a new antimycin-like compound, from <i>Streptomyces</i> sp. ML55. <i>Journal of Antibiotics</i> , 2009, 62, 593-595.	2.0	19

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19	Novel 24-membered macrolides, JBIR-19 and -20 isolated from <i>Metarhizium</i> sp. fE61. <i>Journal of Antibiotics</i> , 2009, 62, 159-162.	2.0	18
20	De-N-methylpamamycin-593A and B, New Pamamycin Derivatives Isolated from <i>Streptomyces alboniger</i> .. <i>Journal of Antibiotics</i> , 1999, 52, 329-331.	2.0	17
21	Viable Cell Detection by the Combined Use of Fluorescent Glucose and Fluorescent Glycine. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 2459-2462.	1.3	17
22	Ammocidins B, C and D, new cytotoxic 20-membered macrolides from <i>Saccharothrix</i> sp. AJ9571. <i>Journal of Antibiotics</i> , 2009, 62, 123-127.	2.0	17
23	New hydroxamate metabolite, MBJ-0003, from <i>Micromonospora</i> sp. 29867. <i>Journal of Antibiotics</i> , 2014, 67, 261-263.	2.0	17
24	Biosynthetic Origin of the Carbon Skeleton and Nitrogen Atom of Pamamycin-607, a Nitrogen-Containing Polyketide. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005, 69, 315-320.	1.3	14
25	Novel macrolactam compound produced by the heterologous expression of a large cryptic biosynthetic gene cluster of <i>Streptomyces rochei</i> IFO12908. <i>Journal of Antibiotics</i> , 2020, 73, 171-174.	2.0	14
26	Total Synthesis and Structure Elucidation of JBIR-39: A Linear Hexapeptide Possessing Piperazic Acid and 3-Hydroxypiperazic Acid Residues. <i>Chemistry - A European Journal</i> , 2015, 21, 3031-3041.	3.3	11
27	C-Methylation of S-adenosyl-L-Methionine Occurs Prior to Cyclopropanation in the Biosynthesis of 1-Amino-2-Methylcyclopropanecarboxylic Acid (Norcoronamic Acid) in a Bacterium. <i>Biomolecules</i> , 2020, 10, 775.	4.0	11
28	A Phenylacetylated Peptide, JBIR-96, Isolated from <i>Streptomyces</i> sp. RI051-SDHV6. <i>Journal of Natural Products</i> , 2011, 74, 1344-1347.	3.0	9
29	Identification, cloning and heterologous expression of biosynthetic gene cluster for desertomycin. <i>Journal of Antibiotics</i> , 2020, 73, 650-654.	2.0	9
30	MBJ-0110, a novel cyclopeptide isolated from the fungus <i>Penicillium</i> sp. f25267. <i>Journal of Antibiotics</i> , 2016, 69, 66-68.	2.0	8
31	Effects of N-Demethylation of Pamamycins on Aerial Mycelium-Inducing and Growth Inhibition Activities. <i>Journal of Pesticide Sciences</i> , 2001, 26, 149-153.	1.4	8
32	Nitrogen Incorporation in the Biosynthetic Pathway of the Nitrogen-containing Polyketide, Pamamycin in <i>Streptomyces alboniger</i> . <i>Journal of Antibiotics</i> , 2005, 58, 722-730.	2.0	7
33	Structure-activity Relationship of Pamamycins: Effect of Side Chain Length on Aerial Mycelium-inducing Activity. <i>Journal of Antibiotics</i> , 2008, 61, 98-102.	2.0	6
34	An Unusual Extender Unit Is Incorporated into the Modular Polyketide Synthase of Scopranones Biosynthesis. <i>Biochemistry</i> , 2019, 58, 5066-5073.	2.5	4
35	Identification of functional cytochrome P450 and ferredoxin from <i>Streptomyces</i> sp. EAS-AB2608 by transcriptional analysis and their heterologous expression. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 4177-4187.	3.6	4
36	Rapid evaluation of the efficacy of microbial cell removal from fabrics. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 995-1002.	3.0	3

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37	Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. <i>Angewandte Chemie</i> , 2017, 129, 1766-1771.	2.0	3
38	Effect of Antibiotics on Formation of Aerial Mycelium and Production of Phytotoxins in <i>Streptomyces</i> spp.. <i>Journal of Pesticide Sciences</i> , 2003, 28, 183-187.	1.4	1
39	Automatic Mapping of Viable Microbial Cells Distributed in the Surface Layer of Cotton Fabrics. <i>Biocontrol Science</i> , 2007, 12, 31-34.	0.8	1
40	Hemiacetal-less rapamycin derivatives designed and produced by genetic engineering of a type I polyketide synthase. <i>Scientific Reports</i> , 2021, 11, 9944.	3.3	0
41	A novel methymycin analog, 12-ketomethymycin N-oxide, produced by the heterologous expression of the large pikromycin/methymycin biosynthetic gene cluster of <i>Streptomyces</i> sp. AM4900. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 890-894.	1.3	0