Yasushi Ogasawara

List of Publications by Year
in descending order

56	1,106	394390 19	454934 30
papers	citations	h-index	g-index

58	58	58	1196
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of Cyclopropane Formation in the Biosyntheses of Hormaomycins and Belactosins: Sequential Nitration and Cyclopropanation by Metalloenzymes. Angewandte Chemie, 2022, 134, .	2.0	3
2	Identification of Cyclopropane Formation in the Biosyntheses of Hormaomycins and Belactosins: Sequential Nitration and Cyclopropanation by Metalloenzymes. Angewandte Chemie - International Edition, 2022, 61, e202113189.	13.8	18
3	Biosynthetic Gene Cluster of Linaridin Peptides Contains Epimerase Gene. ChemBioChem, 2022, 23, .	2.6	10
4	Identification of the peptide epimerase MslH responsible for <scp>d</scp>-amino acid introduction at the C-terminus of ribosomal peptides. Chemical Science, 2021, 12, 2567-2574.	7.4	13
5	Discovery of an alternative pathway of peptidoglycan biosynthesis: A new target for pathway specific inhibitors. Journal of Industrial Microbiology and Biotechnology, 2021, 48, .	3.0	4
6	Identification of pulvomycin as an inhibitor of the futalosine pathway. Journal of Antibiotics, 2021, 74, 825-829.	2.0	2
7	Identification of actinomycin D as a specific inhibitor of the alternative pathway of peptidoglycan biosynthesis. Journal of Antibiotics, 2020, 73, 125-127.	2.0	10
8	High Production of Ergothioneine in Escherichia coli using the Sulfoxide Synthase from Methylobacterium strains. Journal of Agricultural and Food Chemistry, 2020, 68, 6390-6394.	5.2	16
9	Off-Loading Mechanism of Products in Polyunsaturated Fatty Acid Synthases. ACS Chemical Biology, 2020, 15, 651-656.	3.4	11
10	Characterization of the coformycin biosynthetic gene cluster inStreptomyces kaniharaensis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10265-10270.	7.1	8
11	Recent advances in functional analysis of polyunsaturated fatty acid synthases. Current Opinion in Chemical Biology, 2020, 59, 30-36.	6.1	14
12	In vitro characterization of MitE and MitB: Formation of N-acetylglucosaminyl-3-amino-5-hydroxybenzoyl-MmcB as a key intermediate in the biosynthesis of antitumor antibiotic mitomycins. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2076-2078.	2.2	6
13	Identification of the Câ€glycoside Synthases during Biosynthesis of the Pyrazoleâ€Câ€nucleosides Formycin and Pyrazofurin. Angewandte Chemie - International Edition, 2019, 58, 16512-16516.	13.8	25
14	Subtle Control of Carbon Chain Length in Polyunsaturated Fatty Acid Synthases. ACS Chemical Biology, 2019, 14, 2553-2556.	3.4	9
15	Identification of the Câ€glycoside Synthases during Biosynthesis of the Pyrazoleâ€Câ€nucleosides Formycin and Pyrazofurin. Angewandte Chemie, 2019, 131, 16664-16668.	2.0	6
16	The Amipurimycin and Miharamycin Biosynthetic Gene Clusters: Unraveling the Origins of 2-Aminopurinyl Peptidyl Nucleoside Antibiotics. Journal of the American Chemical Society, 2019, 141, 14152-14159.	13.7	25
17	Involvement of Peptide Epimerization in Poly-Î³-glutamic Acid Biosynthesis. Organic Letters, 2019, 21, 3972-3975.	4.6	11
18	Control Mechanism for Carbonâ€Chain Length in Polyunsaturated Fattyâ€Acid Synthases. Angewandte Chemie, 2019, 131, 6677-6682.	2.0	2

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19	Control Mechanism for Carbonâ€Chain Length in Polyunsaturated Fattyâ€Acid Synthases. Angewandte Chemie - International Edition, 2019, 58, 6605-6610.	13.8	31
20	Amino Acid Residues Recognizing Isomeric Glutamate Substrates in UDP-N-acetylmuramic acid-<scp>l</scp>-alanine-glutamate Synthetases. ACS Chemical Biology, 2019, 14, 975-978.	3.4	5
21	Identification of the Formycin A Biosynthetic Gene Cluster from Streptomyces kaniharaensis Illustrates the Interplay between Biological Pyrazolopyrimidine Formation and de Novo Purine Biosynthesis. Journal of the American Chemical Society, 2019, 141, 6127-6131.	13.7	38
22	New enzymes for peptide biosynthesis in microorganisms. Bioscience, Biotechnology and Biochemistry, 2019, 83, 589-597.	1.3	3
23	Searching for potent and specific antibiotics against pathogenic Helicobacter and Campylobacter strains. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 409-414.	3.0	3
24	Control Mechanism for cis Doubleâ€Bond Formation by Polyunsaturated Fattyâ€Acid Synthases. Angewandte Chemie - International Edition, 2019, 58, 2326-2330.	13.8	33
25	Control Mechanism for cis Doubleâ€Bond Formation by Polyunsaturated Fattyâ€Acid Synthases. Angewandte Chemie, 2019, 131, 2348-2352.	2.0	3
26	Enzymatic Formation of a Skipped Methylâ€Substituted Octaprenyl Side Chain of Longestin (KSâ€505a): Involvement of Homoâ€IPP as a Common Extender Unit. Angewandte Chemie - International Edition, 2018, 57, 6629-6632.	13.8	27
27	Enzymatic Formation of a Skipped Methylâ€Substituted Octaprenyl Side Chain of Longestin (KSâ€505a): Involvement of Homoâ€IPP as a Common Extender Unit. Angewandte Chemie, 2018, 130, 6739-6742.	2.0	7
28	Functional analysis of methyltransferases participating in streptothricin-related antibiotic biosynthesis. Journal of Bioscience and Bioengineering, 2018, 125, 148-154.	2.2	1
29	Total Biosynthesis of Brassicicenes: Identification of a Key Enzyme for Skeletal Diversification. Organic Letters, 2018, 20, 6178-6182.	4.6	21
30	Biosynthetic Gene Cluster of a <scp>d</scp>â€Tryptophanâ€Containing Lasso Peptide, MSâ€271. ChemBioChem, 2018, 19, 2045-2048.	2.6	40
31	Peptide Epimerization Machineries Found in Microorganisms. Frontiers in Microbiology, 2018, 9, 156.	3.5	19
32	Aplasmomycin and boromycin are specific inhibitors of the futalosine pathway. Journal of Antibiotics, 2018, 71, 968-970.	2.0	22
33	æ”¾ç·šèŒãŒç”Ÿã¿å‡ºã•ã–ç–“ä¼¼ãƒšãƒ—ãƒãƒ‰åˆ–å•ç‰©. Kagaku To Seibutsu, 2018, 56, 76-78.	0.0	0
34	Biosynthesis of the Carbonylmethylene Structure Found in the Ketomemicin Class of Pseudotripeptides. Angewandte Chemie - International Edition, 2017, 56, 2026-2029.	13.8	17
35	Biosynthesis of the Carbonylmethylene Structure Found in the Ketomemicin Class of Pseudotripeptides. Angewandte Chemie, 2017, 129, 2058-2061.	2.0	2
36	Identification and Characterization of Enzymes Catalyzing Pyrazolopyrimidine Formation in the Biosynthesis of Formycin A. Organic Letters, 2017, 19, 1426-1429.	4.6	20

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37	Identification of tirandamycins as specific inhibitors of the futalosine pathway. Journal of Antibiotics, 2017, 70, 798-800.	2.0	20
38	Biosynthesis of Oligopeptides Using ATPâ€Grasp Enzymes. Chemistry - A European Journal, 2017, 23, 10714-10724.	3.3	22
39	N-Phenylacetylation and Nonribosomal Peptide Synthetases with Substrate Promiscuity for Biosynthesis of Heptapeptide Variants, JBIR-78 and JBIR-95. ACS Chemical Biology, 2017, 12, 1813-1819.	3.4	11
40	A Glycopeptidyl-Glutamate Epimerase for Bacterial Peptidoglycan Biosynthesis. Journal of the American Chemical Society, 2017, 139, 4243-4245.	13.7	11
41	Synthesis of Acylborons by Ozonolysis of Alkenylboronates: Preparation of an Enantioenriched Amino Acid Acylboronate. Angewandte Chemie - International Edition, 2017, 56, 13847-13851.	13.8	64
42	Synthesis of Acylborons by Ozonolysis of Alkenylboronates: Preparation of an Enantioenriched Amino Acid Acylboronate. Angewandte Chemie, 2017, 129, 14035-14039.	2.0	33
43	Frontispiece: Biosynthesis of Oligopeptides Using ATPâ€Grasp Enzymes. Chemistry - A European Journal, 2017, 23, .	3.3	0
44	Exploring Peptide Ligase Orthologs in Actinobacteriaâ€"Discovery of Pseudopeptide Natural Products, Ketomemicins. ACS Chemical Biology, 2016, 11, 1686-1692.	3.4	20
45	Characterization of three amidinotransferases involved in the biosynthesis of ketomemicins. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3662-3664.	2.2	9
46	Structure and activity relationships of the anti-Mycobacterium antibiotics resorcinomycin and pheganomycin. Journal of Antibiotics, 2016, 69, 119-120.	2.0	5
47	Expanding our Understanding of Sequence-Function Relationships of Type II Polyketide Biosynthetic Gene Clusters: Bioinformatics-Guided Identification of Frankiamicin A from Frankia sp. EAN1pec. PLoS ONE, 2015, 10, e0121505.	2.5	25
48	Identification and analysis of the resorcinomycin biosynthetic gene cluster. Bioscience, Biotechnology and Biochemistry, 2015, 79, 1833-1837.	1.3	12
49	High-Quality Draft Genome Sequence of Actinobacterium Kibdelosporangium sp. MJ126-NF4, Producer of Type II Polyketide Azicemicins, Using Illumina and PacBio Technologies. Genome Announcements, 2015, 3, .	0.8	6
50	GenK-Catalyzed C-6â€² Methylation in the Biosynthesis of Gentamicin: Isolation and Characterization of a Cobalamin-Dependent Radical SAM Enzyme. Journal of the American Chemical Society, 2013, 135, 8093-8096.	13.7	110
51	Radical SAM enzymes in the biosynthesis of sugar-containing natural products. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 1231-1244.	2.3	39
52	A Biosynthetic Pathway for BE-7585A, a 2-Thiosugar-Containing Angucycline-Type Natural Product. Journal of the American Chemical Society, 2010, 132, 7405-7417.	13.7	63
53	Biosynthesis of Spinosyn in Saccharopolyspora spinosa: Synthesis of Permethylated Rhamnose and Characterization of the Functions of SpnH, SpnI, and SpnK. Journal of the American Chemical Society, 2010, 132, 2901-2903.	13.7	46
54	Biosynthetic Studies of Aziridine Formation in Azicemicins. Journal of the American Chemical Society, 2009, 131, 18066-18068.	13.7	47

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55	Involvement of Glutamate Mutase in the Biosynthesis of the Unique Starter Unit of the Macrolactam Polyketide Antibiotic Vicenistatin. Journal of Antibiotics, 2005, 58, 468-472.	2.0	24
56	Cloning, Sequencing, and Functional Analysis of the Biosynthetic Gene Cluster of Macrolactam Antibiotic Vicenistatin in Streptomyces halstedii. Chemistry and Biology, 2004, 11, 79-86.	6.0	54