Hideaki Kakeya

List of Publications by Year
in descending order

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184 papers	7,448 citations	71102 41 h-index	64796 79 g-index
220 all docs	220 docs citations	220 times ranked	7521 citing authors

#	Article	IF	Citations
1	RNA-Methylation-Dependent RNA Processing Controls the Speed of the Circadian Clock. Cell, 2013, 155, 793-806.	28.9	775
2	Novel mammalian cell cycle inhibitors, spirotryprostatins A and B, produced by Aspergillus fumigatus, which inhibit mammalian cell cycle at G2/M phase. Tetrahedron, 1996, 52, 12651-12666.	1.9	478
3	Innovative Preparation of Curcumin for Improved Oral Bioavailability. Biological and Pharmaceutical Bulletin, 2011, 34, 660-665.	1.4	364
4	Spirotryprostatin B, a Novel Mammalian Cell Cycle Inhibitor Produced by Aspergillus fumigatus.. Journal of Antibiotics, 1996, 49, 832-835.	2.0	291
5	Novel Mammalian Cell Cycle Inhibitors, Tryprostatins A, B and Other Diketopiperazines Produced by Aspergillus fumigatus. I. Taxonomy, Fermentation, Isolation and Biological Properties.. Journal of Antibiotics, 1996, 49, 527-533.	2.0	187
6	UCHL1 provides diagnostic and antimetastatic strategies due to its deubiquitinating effect on HIF-1Î±. Nature Communications, 2015, 6, 6153.	12.8	175
7	A novel lactonohydrolase responsible for the detoxification of zearalenone: enzyme purification and gene cloning. Biochemical Journal, 2002, 365, 1-6.	3.7	167
8	Novel mammalian cell cycle inhibitors, cyclotroprostatins Aâ€“D, produced by Aspergillus fumigatus, which inhibit mammalian cell cycle at G2/M phase. Tetrahedron, 1997, 53, 59-72.	1.9	145
9	Epolactaene, a Novel Neuritogenic Compound in Human Neuroblastoma Cells, Produced by a Marine Fungus.. Journal of Antibiotics, 1995, 48, 733-735.	2.0	140
10	Novel Mammalian Cell Cycle Inhibitors, Tryprostatins A, B and Other Diketopiperazines Produced by Aspergillus fumigatus. II. Physico-chemical Properties and Structures.. Journal of Antibiotics, 1996, 49, 534-540.	2.0	140
11	Tryprostatins A and B, Novel Mammalian Cell Cycle Inhibitors Produced by Aspergdlus fumigatus .. Journal of Antibiotics, 1995, 48, 1382-1384.	2.0	138
12	Azaspirene:â€‰ A Novel Angiogenesis Inhibitor Containing a 1-Oxa-7-azaspiro[4.4]non-2-ene-4,6-dione Skeleton Produced by the FungusNeosartoryasp.. Organic Letters, 2002, 4, 2845-2848.	4.6	128
13	Cytoxazone:Â A Novel Cytokine Modulator Containing a 2-Oxazolidinone Ring Produced byStreptomycessp.. Journal of Organic Chemistry, 1999, 64, 1052-1053.	3.2	127
14	Microbial hydrolysis as a potent method for the preparation of optically active nitriles, amides and carboxylic acids. Tetrahedron Letters, 1991, 32, 1343-1346.	1.4	113
15	Marine antifungal theonellamides target 3Î²-hydroxysterol to activate Rho1 signaling. Nature Chemical Biology, 2010, 6, 519-526.	8.0	111
16	Epolactaene binds human Hsp60 Cys442 resulting in the inhibition of chaperone activity. Biochemical Journal, 2005, 387, 835-840.	3.7	94
17	Epoxyquinol A, a Highly Functionalized Pentaketide Dimer with Antiangiogenic Activity Isolated from Fungal Metabolites. Journal of the American Chemical Society, 2002, 124, 3496-3497.	13.7	93
18	Total Synthesis of (+)-Epoxyquinols A and B. Angewandte Chemie - International Edition, 2002, 41, 3192-3194.	13.8	91

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19	Neuritogenic Effect of Epolactaene Derivatives on Human Neuroblastoma Cells Which Lack High-Affinity Nerve Growth Factor Receptors. Journal of Medicinal Chemistry, 1997, 40, 391-394.	6.4	90
20	A Natural p300-Specific Histone Acetyltransferase Inhibitor, Curcumin, in Addition to Angiotensin-Converting Enzyme Inhibitor, Exerts Beneficial Effects on Left Ventricular Systolic Function After Myocardial Infarction in Rats. Circulation Journal, 2011, 75, 2151-2159.	1.6	83
21	Biotransformation of the Mycotoxin, Zearalenone, to a Non-estrogenic Compound by a Fungal Strain ofClonostachyssp.. Bioscience, Biotechnology and Biochemistry, 2002, 66, 2723-2726.	1.3	82
22	Total Synthesis of Epoxyquinols A, B, and C and Epoxytwinol A and the Reactivity of a 2H-Pyran Derivative as the Diene Component in the Dielsâ^'Alder Reaction. Journal of Organic Chemistry, 2005, 70, 79-91.	3.2	75
23	Synthesis and structureâ€“activity relationship studies on tryprostatin A, an inhibitor of breast cancer resistance protein. Bioorganic and Medicinal Chemistry, 2008, 16, 4626-4651.	3.0	73
24	Asymmetric Total Synthesis of (â^')-Azaspirene, a Novel Angiogenesis Inhibitor. Journal of the American Chemical Society, 2002, 124, 12078-12079.	13.7	71
25	Preparation of enantiomerically enriched compound using enzymes. Part 3. Enzymic preparation of enantiomerically enriched tertiary .alpha.-benzyloxy acid esters. Application to the synthesis of (S)-(-)-frontalin. Journal of Organic Chemistry, 1990, 55, 4643-4647.	3.2	69
26	Identification of Cytochrome P450s Required for Fumitremorgin Biosynthesis in Aspergillus fumigatus. ChemBioChem, 2009, 10, 920-928.	2.6	69
27	5-Alkyl-1,2,3,4-tetrahydroquinolines, New Membrane-Interacting Lipophilic Metabolites Produced by Combined Culture of Streptomyces nigrescens and Tsukamurella pulmonis. Organic Letters, 2015, 17, 1918-1921.	4.6	66
28	Highly absorptive curcumin reduces serum atherosclerotic low-density lipoprotein levels in patients with mild COPD. International Journal of COPD, 2016, Volume 11, 2029-2034.	2.3	57
29	Epoxyquinol B, a Fungal Metabolite with a Potent Antiangiogenic Activity.. Journal of Antibiotics, 2002, 55, 829-831.	2.0	55
30	Structureâ€“activity relationships of epolactaene derivatives: structural requirements for inhibition of Hsp60 chaperone activity. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 4425-4429.	2.2	55
31	Asymmetric Total Synthesis of Pseurotin A. Organic Letters, 2003, 5, 2287-2290.	4.6	54
32	Structure and Biological Activity of 8-Deoxyheronamide C from a Marine-Derived Streptomyces sp.: Heronamides Target Saturated Hydrocarbon Chains in Lipid Membranes. Journal of the American Chemical Society, 2014, 136, 5209-5212.	13.7	54
33	Lucilactaene, a New Cell Cycle Inhibitor in p53-Transfected Cancer Cells, Produced by a Fusarium sp.. Journal of Antibiotics, 2001, 54, 850-854.	2.0	53
34	Cytotrienin A, a Novel Apoptosis Inducer in Human Leukemia HL-60 Cells.. Journal of Antibiotics, 1997, 50, 370-372.	2.0	51
35	Enantio- and Diastereoselective Total Synthesis of (+)-Panepophenanthrin, a Ubiquitin-Activating Enzyme Inhibitor, and Biological Properties of Its New Derivatives. Chemistry - an Asian Journal, 2006, 1, 845-851.	3.3	51
36	The Asymmetric Total Synthesis of (+)â€Cytotrieninâ€…A, an Ansamycinâ€Type Anticancer Drug. Angewandte Chemie - International Edition, 2008, 47, 6657-6660.	13.8	51

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37	Colloidal Submicron-Particle Curcumin Exhibits High Absorption Efficiency—A Double-Blind, 3-Way Crossover Study—. Journal of Nutritional Science and Vitaminology, 2015, 61, 37-44.	0.6	51
38	Natural products-prompted chemical biology: phenotypic screening and a new platform for target identification. Natural Product Reports, 2016, 33, 648-654.	10.3	49
39	Requirement of protein kinase (Krs/MST) activation for MT-21-induced apoptosis. Oncogene, 1999, 18, 5211-5220.	5.9	48
40	Concise Enantio- and Diastereoselective Total Syntheses of Fumagillol, RK-805, FR65814, Ovalicin, and 5-Demethylovalicin. Angewandte Chemie - International Edition, 2006, 45, 789-793.	13.8	45
41	Novel triene-ansamycins, cytotrienins A and B, inducing apoptosis on human leukemia HL-60 cells. Tetrahedron Letters, 1997, 38, 1789-1792.	1.4	44
42	A Novel Drug Delivery System of Oral Curcumin Markedly Improves Efficacy of Treatment for Heart Failure after Myocardial Infarction in Rats. Biological and Pharmaceutical Bulletin, 2012, 35, 139-144.	1.4	42
43	Microbial Hydrolysis of 3-Substituted Glutaronitriles. Chemistry Letters, 1991, 20, 1823-1824.	1.3	41
44	Acetophthalidin, a Novel Inhibitor of Mammalian Cell Cycle, Produced by a Fungus Isolated from a Sea Sediment.. Journal of Antibiotics, 1996, 49, 216-219.	2.0	41
45	Drinkable Preparation of Theracurmin Exhibits High Absorption Efficiencyâ€”A Single-Dose, Double-Blind, 4-Way Crossover Study. Biological and Pharmaceutical Bulletin, 2013, 36, 1708-1714.	1.4	41
46	Interaction between the Marine Sponge Cyclic Peptide Theonellamide A and Sterols in Lipid Bilayers As Viewed by Surface Plasmon Resonance and Solid-State ²H Nuclear Magnetic Resonance. Biochemistry, 2013, 52, 2410-2418.	2.5	40
47	Activation of MST/Krs and c-Jun N-terminal Kinases by Different Signaling Pathways during Cytotrienin A-induced Apoptosis. Journal of Biological Chemistry, 2000, 275, 8766-8771.	3.4	38
48	Effects of Highly Absorbable Curcumin in Patients with Impaired Glucose Tolerance and Non-Insulin-Dependent Diabetes Mellitus. Journal of Diabetes Research, 2019, 2019, 1-7.	2.3	38
49	A practical total synthesis of both enantiomers of epoxyquinols A and B. Tetrahedron Letters, 2002, 43, 9155-9158.	1.4	37
50	Curcumin Î²-D-Glucuronide Plays an Important Role to Keep High Levels of Free-Form Curcumin in the Blood. Biological and Pharmaceutical Bulletin, 2017, 40, 1515-1524.	1.4	37
51	Dephostatin, a novel protein tyrosine phosphatase inhibitor produced by Streptomyces. II. Structure determination.. Journal of Antibiotics, 1993, 46, 1716-1719.	2.0	36
52	Azaspirene, a fungal product, inhibits angiogenesis by blocking Rafâ€1 activation. Cancer Science, 2008, 99, 1853-1858.	3.9	36
53	Discovery and Total Synthesis of Streptoaminals: Antimicrobial [5,5]â€Spirohemiaminals from the Combinedâ€Culture of Streptomyces nigrescens and Tsukamurella pulmonis. Angewandte Chemie - International Edition, 2016, 55, 10278-10282.	13.8	36
54	First Asymmetric Total Synthesis of Synerazol, an Antifungal Antibiotic, and Determination of Its Absolute Stereochemistry. Journal of Organic Chemistry, 2005, 70, 5643-5654.	3.2	35

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55	LY6E: a conductor of malignant tumor growth through modulation of the PTEN/PI3K/Akt/HIF-1 axis. Oncotarget, 2016, 7, 65837-65848.	1.8	35
56	A synthesis of (R)-(-)-mevalonolactone by the combination of enzymatic and chemical methods. Tetrahedron, 1990, 46, 3463-3468.	1.9	32
57	Optimal Dose-Setting Study of Curcumin for Improvement of Left Ventricular Systolic Function After Myocardial Infarction in Rats. Journal of Pharmacological Sciences, 2014, 126, 329-336.	2.5	31
58	Different Reaction Modes for the Oxidative Dimerization of Epoxyquinols and Epoxyquinones. Importance of Intermolecular Hydrogen-Bonding. Journal of Organic Chemistry, 2004, 69, 1548-1556.	3.2	30
59	Fumagillin suppresses HIV-1 infection of macrophages through the inhibition of Vpr activity. FEBS Letters, 2006, 580, 2598-2602.	2.8	30
60	Active site-directed proteomic probes for adenylation domains in nonribosomal peptide synthetases. Chemical Communications, 2015, 51, 2262-2265.	4.1	30
61	Curcumin and its demethoxy derivatives possess p300 HAT inhibitory activity and suppress hypertrophic responses in cardiomyocytes. Journal of Pharmacological Sciences, 2018, 136, 212-217.	2.5	30
62	The Synthetic Curcumin Analogue GO-Y030 Effectively Suppresses the Development of Pressure Overload-induced Heart Failure in Mice. Scientific Reports, 2020, 10, 7172.	3.3	30
63	Novel non-peptide inhibitors targeting death receptor-Mediated apoptosis. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 3743-3746.	2.2	29
64	Determination by Asymmetric Total Synthesis of the Absolute Configuration of Lucilactaene, a Cell-Cycle Inhibitor in p53-Transfected Cancer Cells. Angewandte Chemie - International Edition, 2005, 44, 3110-3115.	13.8	29
65	Visualization of Sterol-Rich Membrane Domains with Fluorescently-Labeled Theonellamides. PLoS ONE, 2013, 8, e83716.	2.5	27
66	Chlorocatechelins A and B from Streptomyces sp.: New Siderophores Containing Chlorinated Catecholate Groups and an Acylguanidine Structure. Organic Letters, 2014, 16, 6108-6111.	4.6	27
67	Cryptic Chemical Communication: Secondary Metabolic Responses Revealed by Microbial Coâ€culture. Chemistry - an Asian Journal, 2020, 15, 327-337.	3.3	27
68	Reaction modes of oxidative dimerization of epoxycyclohexenols. Tetrahedron Letters, 2003, 44, 7205-7207.	1.4	26
69	Preparation of Enantiomerically Enriched Compounds by Using Enzymes, Part XI. Preparation of Optically Active .ALPHA.-Hydroxy Acid Derivatives by Microbial Hydrolysis of Cyanohydrins and Its Application to the Synthesis of(R)-4-Dodecanolide.. Agricultural and Biological Chemistry, 1991, 55, 1877-1881.	0.3	24
70	Isolation of a novel substrate-competitive tyrosine kinase inhibitor, desmal, from the plant Desmos chinensis. FEBS Letters, 1993, 320, 169-172.	2.8	24
71	Enantio- and Diastereoselective Total Synthesis of EI-1941â^'1, â^'2, and â^'3, Inhibitors of Interleukin-1Î² Converting Enzyme, and Biological Properties of Their Derivatives. Journal of Organic Chemistry, 2005, 70, 9905-9915.	3.2	24
72	Stereochemical reassignment of heronamide A, a polyketide macrolactam from Streptomyces sp.. Tetrahedron Letters, 2013, 54, 1531-1533.	1.4	24

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73	Design, synthesis, and structureâ€“activity relationships of 1-ethylpyrazole-3-carboxamide compounds as novel hypoxia-inducible factor (HIF)-1 inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 1776-1787.	3.0	24
74	Targeting hypoxia-inducible factor 1 (HIF-1) signaling with natural products toward cancer chemotherapy. Journal of Antibiotics, 2021, 74, 687-695.	2.0	24
75	A synthesis of (â^)-deoxypodocarpic acid methyl ester via an enzymatic enantioselective hydrolysis of the key intermidiate enol ester. Tetrahedron, 1989, 45, 6135-6144.	1.9	23
76	Biosynthesis of 1-aminocyclopropane-1-carboxylic acid moiety on cytotrienin A in Streptomyces sp.. Tetrahedron Letters, 1998, 39, 6947-6948.	1.4	23
77	RK-805, an endothelial-cell-growth inhibitor produced by Neosartorya sp., and a docking model with methionine aminopeptidase-2. Tetrahedron, 2004, 60, 7085-7091.	1.9	23
78	Profiling Nonribosomal Peptide Synthetase Activities Using Chemical Proteomic Probes for Adenylation Domains. ACS Chemical Biology, 2015, 10, 1989-1997.	3.4	23
79	Saccharothriolides Aâ€“C, novel phenyl-substituted 10-membered macrolides isolated from a rare actinomycete Saccharothrix sp.. Chemical Communications, 2015, 51, 8074-8077.	4.1	23
80	Asymmetric Total Synthesis of Heronamidesâ€…Aâ€“C: Stereochemical Confirmation and Impact of Longâ€Range Stereochemical Communication on the Biological Activity. Chemistry - A European Journal, 2016, 22, 8586-8595.	3.3	23
81	Epoxyquinol B, a Naturally Occurring Pentaketide Dimer, Inhibits NF-Î¹B Signaling by Crosslinking TAK1. Bioscience, Biotechnology and Biochemistry, 2008, 72, 1894-1900.	1.3	22
82	Accurate Detection of Adenylation Domain Functions in Nonribosomal Peptide Synthetases by an Enzyme-linked Immunosorbent Assay System Using Active Site-directed Probes for Adenylation Domains. ACS Chemical Biology, 2015, 10, 2816-2826.	3.4	22
83	RKS-1778, a New Mammalian Cell-Cycle Inhibitor and a Key Intermediate of the [11]Cytochalasin Group. Journal of Natural Products, 1997, 60, 669-672.	3.0	21
84	Epoxycyclohexenone Inhibits Fas-mediated Apoptosis by Blocking Activation of Pro-caspase-8 in the Death-inducing Signaling Complex. Journal of Biological Chemistry, 2003, 278, 11213-11220.	3.4	21
85	Epoxytwinol A, a novel unique angiogenesis inhibitor with C2 symmetry, produced by a fungus. Chemical Communications, 2005, , 2575.	4.1	21
86	Marine sponge cyclic peptide theonellamide A disrupts lipid bilayer integrity without forming distinct membrane pores. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1373-1379.	2.6	21
87	Curcumin Î²â€Dâ€glucuronide exhibits antiâ€“tumor effects on oxaliplatinâ€resistant colon cancer with less toxicity in vivo. Cancer Science, 2020, 111, 1785-1793.	3.9	21
88	Ubiquitin carboxylâ€terminal hydrolase L1 promotes hypoxiaâ€inducible factor 1â€dependent tumor cell malignancy in spheroid models. Cancer Science, 2020, 111, 239-252.	3.9	21
89	Total synthesis and determination of the absolute configuration of FD-838, a naturally occurring azaspirobicyclic product. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3863-3865.	2.2	20
90	Structure Elucidation of Verucopeptin, a HIF-1 Inhibitory Polyketideâ€“Hexapeptide Hybrid Metabolite from an Actinomycete. Organic Letters, 2015, 17, 5364-5367.	4.6	20

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91	Thioamycolamides Aâ€“E, Sulfur-Containing Cycliclipopeptides Produced by the Rare Actinomycete Amycolatopsis sp.. Organic Letters, 2020, 22, 3014-3017.	4.6	20
92	Preparation of Enantiomerically Enriched Compounds by Using Enzymes, Part X. Biochemical Preparation of Optically Active 4-Hydroxy-.BETA.-ionone and Its Transformation to (S)-6-Hydroxy-.ALPHA.-ionone.. Agricultural and Biological Chemistry, 1991, 55, 1873-1876.	0.3	19
93	Synthesis and cell cycle inhibition of the peptide enamide natural products terpeptin and the aspergillamides. Tetrahedron, 2003, 59, 8931-8946.	1.9	19
94	Inhibition of translation by cytotrienin A--a member of the ansamycin family. Rna, 2010, 16, 2404-2413.	3.5	19
95	Total Synthesis and Antimicrobial Activity of Chlorocatechelin A. Journal of Organic Chemistry, 2015, 80, 6076-6082.	3.2	19
96	Functional profiling of adenylation domains in nonribosomal peptide synthetases by competitive activity-based protein profiling. Chemical Communications, 2015, 51, 15764-15767.	4.1	19
97	An interferon-like small chemical compound CDM-3008 suppresses hepatitis B virus through induction of interferon-stimulated genes. PLoS ONE, 2019, 14, e0216139.	2.5	19
98	RK-95113, a New Angiogenesis Inhibitor Produced by Aspergillus fumigatus. Journal of Antibiotics, 2006, 59, 724-728.	2.0	18
99	Total Synthesis of the Proposed Structure of Heronamide C. European Journal of Organic Chemistry, 2014, 2014, 1376-1380.	2.4	18
100	Curcumin, an Inhibitor of p300-HAT Activity, Suppresses the Development of Hypertension-Induced Left Ventricular Hypertrophy with Preserved Ejection Fraction in Dahl Rats. Nutrients, 2021, 13, 2608.	4.1	18
101	Chemical tagging of a drug target using 5-sulfonyl tetrazole. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1608-1611.	2.2	17
102	Biosynthetic Origins of the Epoxyquinone Skeleton in Epoxyquinols A and B. Journal of Natural Products, 2014, 77, 2707-2710.	3.0	17
103	A 7-dimethylallyl tryptophan synthase from a fungal Neosartorya sp.: Biochemical characterization and structural insight into the regioselective prenylation. Bioorganic and Medicinal Chemistry, 2014, 22, 2517-2528.	3.0	17
104	Discovery of Presaccharothriolide X, a Retro-Michael Reaction Product of Saccharothriolide B, from the Rare Actinomycete Saccharothrix sp. A1506. Organic Letters, 2018, 20, 4406-4410.	4.6	17
105	Identification of the common biosynthetic gene cluster for both antimicrobial streptoaminals and antifungal 5-alkyl-1,2,3,4-tetrahydroquinolines. Organic and Biomolecular Chemistry, 2019, 17, 2370-2378.	2.8	17
106	Methylation deficiency disrupts biological rhythms from bacteria to humans. Communications Biology, 2020, 3, 211.	4.4	17
107	Fungal Metabolite, Epoxyquinol B, Crosslinks Proteins by Epoxy-thiol Conjugation. Journal of Antibiotics, 2008, 61, 94-97.	2.0	16
108	Tumescenamide C, an antimicrobial cyclic lipodepsipeptide from Streptomyces sp.. Tetrahedron, 2012, 68, 5572-5578.	1.9	16

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109	Isolation and Structure Elucidation of Cytotoxic Saccharothriolides D to F from a Rare Actinomycete Saccharothrix sp. and Their Structureâ€“Activity Relationship. Journal of Natural Products, 2016, 79, 1891-1895.	3.0	16
110	Expression, purification and enzymatic characterization of a recombinant human ubiquitin-specific protease 47. Journal of Biochemistry, 2015, 158, mvv063.	1.7	15
111	Stereochemical Assignment and Biological Evaluation of BE-14106 Unveils the Importance of One Acetate Unit for the Antifungal Activity of Polyene Macrolactams. Journal of Natural Products, 2016, 79, 1877-1880.	3.0	15
112	Synthesis of Chemically Stabilized Phosmidosine Analogues and the Structureâ^'Activity Relationship of Phosmidosine. Journal of Organic Chemistry, 2004, 69, 314-326.	3.2	14
113	Specific enrichment of nonribosomal peptide synthetase module by an affinity probe for adenylation domains. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 865-869.	2.2	14
114	Highly Sensitive Labeling Reagents for Scarce Natural Products. ACS Chemical Biology, 2020, 15, 2499-2506.	3.4	14
115	Chemoproteomics profiling of surfactin-producing nonribosomal peptide synthetases in living bacterial cells. Cell Chemical Biology, 2022, 29, 145-156.e8.	5.2	14
116	Epoxyquinol B Shows Antiangiogenic and Antitumor Effects by Inhibiting VEGFR2, EGFR, FGFR, and PDGFR. Oncology Research, 2008, 17, 11-21.	1.5	14
117	In Vitro Investigation of Crosstalk between Fatty Acid and Polyketide Synthases in the Andrimid Biosynthetic Assembly Line. ChemBioChem, 2016, 17, 2137-2142.	2.6	13
118	Different localization of lysosomal-associated membrane protein 1 (LAMP1) in mammalian cultured cell lines. Histochemistry and Cell Biology, 2020, 153, 199-213.	1.7	13
119	Total Synthesis of (+)-Epoxyquinols A and B. Angewandte Chemie, 2002, 114, 3324-3326.	2.0	12
120	Multiple NFâ€Yâ€binding CCAAT boxes are essential for transcriptional regulation of the human C7orf24 gene, a novel tumorâ€associated gene. FEBS Journal, 2011, 278, 4088-4099.	4.7	12
121	Prediction and Determination of the Stereochemistry of the 1,3,5-Trimethyl-Substituted Alkyl Chain in Verucopeptin, a Microbial Metabolite. Journal of Organic Chemistry, 2014, 79, 6858-6867.	3.2	12
122	Total Synthesis and Structure Revision of Mirubactin, and Its Iron Binding Activity. Chemistry Letters, 2015, 44, 1303-1305.	1.3	12
123	Longicatenamides Aâ€“D, Two Diastereomeric Pairs of Cyclic Hexapeptides Produced by Combined-culture of Streptomyces sp. KUSC_F05 and Tsukamurella pulmonis TP-B0596. Journal of Antibiotics, 2021, 74, 307-316.	2.0	12
124	Amycolapeptins A and B, Cyclic Nonadepsipeptides Produced by Combined-culture of Amycolatopsis sp. and Tsukamurella pulmonis. Journal of Organic Chemistry, 2021, 86, 1843-1849.	3.2	12
125	ECH, an Epoxycyclohexenone Derivative That Specifically Inhibits Fas Ligand-Dependent Apoptosis in CTL-Mediated Cytotoxicity. Journal of Immunology, 2004, 172, 3428-3436.	0.8	10
126	Computational Study on the Reaction Mechanism of the Key Thermal [4 + 4] Cycloaddition Reaction in the Biosynthesis of Epoxytwinol A. Organic Letters, 2006, 8, 1041-1044.	4.6	10

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127	Discovery and Total Synthesis of Streptoaminals: Antimicrobial [5,5]â€Spirohemiaminals from the Combinedâ€Culture of Streptomyces nigrescens and Tsukamurella pulmonis. Angewandte Chemie, 2016, 128, 10434-10438.	2.0	10
128	Theonellamide A, a marine-sponge-derived bicyclic peptide, binds to cholesterol in aqueous DMSO: Solution NMR-based analysis of peptide-sterol interactions using hydroxylated sterol. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 228-235.	2.6	10
129	Enhancement of saccharothriolide production and discovery of a new metabolite, saccharothriolide C2, by combined-culture of Saccharothrix sp. and Tsukamurella pulmonis. Tetrahedron Letters, 2019, 60, 1072-1074.	1.4	10
130	RKTS-33, an Epoxycyclohexenone Derivative That Specifically Inhibits Fas Ligand-Dependent Apoptosis in CTL-Mediated Cytotoxicity. Bioscience, Biotechnology and Biochemistry, 2005, 69, 1923-1928.	1.3	9
131	pH-sensitive DNA cleaving agents: in situ activation by ring contraction of benzo-fused cyclobutanols. Chemical Communications, 2013, 49, 2622.	4.1	9
132	Balance between Exocytosis and Endocytosis Determines the Efficacy of Sterol-Targeting Antibiotics. Chemistry and Biology, 2014, 21, 1690-1699.	6.0	9
133	Enantioselective Total Synthesis of RQN-18690A (18-Deoxyherboxidiene). Organic Letters, 2016, 18, 3382-3385.	4.6	9
134	Development of an anti-hepatitis B virus (HBV) agent through the structure-activity relationship of the interferon-like small compound CDM-3008. Bioorganic and Medicinal Chemistry, 2019, 27, 470-478.	3.0	9
135	Curcumin Î²-D-Glucuronide Modulates an Autoimmune Model of Multiple Sclerosis with Altered Gut Microbiota in the Ileum and Feces. Frontiers in Cellular and Infection Microbiology, 2021, 11, 772962.	3.9	9
136	A Facile and Effective Screening Method for p21WAF1 Promoter Activators from Microbial Metabolites.. Journal of Antibiotics, 2001, 54, 783-788.	2.0	8
137	Synthesis of a biotin-conjugate of phosmidosine O-ethyl ester as a G1 arrest antitumor drug. Bioorganic and Medicinal Chemistry, 2004, 12, 6343-6349.	3.0	8
138	Isolation, Structure Elucidation, and Total Synthesis of Tryptopeptins A and B, New TGF-Î² Signaling Modulators from Streptomyces sp.. Organic Letters, 2015, 17, 258-261.	4.6	8
139	A chemical proteomic probe for detecting native carrier protein motifs in nonribosomal peptide synthetases. Chemical Communications, 2016, 52, 14129-14132.	4.1	8
140	Precursor-directed in situ synthesis of Saccharothriolides G and H by the Actinomycete Saccharothrix sp. A1506. Journal of Antibiotics, 2017, 70, 718-720.	2.0	8
141	Chemical Interactions of Cryptic Actinomycete Metabolite 5â€Alkylâ€1,2,3,4â€tetrahydroquinolines through Aggregate Formation. Angewandte Chemie - International Edition, 2019, 58, 13486-13491.	13.8	8
142	Activation of a 36-kD MBP Kinase, an Active Proteolytic Fragment of MST/Krs Proteins, during Anticancer Drug-Induced Apoptosis. Annals of the New York Academy of Sciences, 1999, 886, 273-275.	3.8	7
143	A Competitive Enzymeâ€Linked Immunosorbent Assay System for Adenylation Domains in Nonribosomal Peptide Synthetases. ChemBioChem, 2016, 17, 474-478.	2.6	7
144	Amphiol, an Antifungal Fungal Pigment from Pseudogymnoascus sp. PF1464. Journal of Natural Products, 2021, 84, 986-992.	3.0	7

#	Article	IF	Citations
145	Association of epigenetic alterations in the human C7orf24 gene with the aberrant gene expression in malignant cells. Journal of Biochemistry, 2013, 154, 355-362.	1.7	6
146	A Multipleâ€Labeling Strategy for Nonribosomal Peptide Synthetases Using Activeâ€Siteâ€Directed Proteomic Probes for Adenylation Domains. ChemBioChem, 2015, 16, 2590-2594.	2.6	6
147	Sterol-dependent membrane association of the marine sponge-derived bicyclic peptide Theonellamide A as examined by 1H NMR. Bioorganic and Medicinal Chemistry, 2016, 24, 5235-5242.	3.0	6
148	RQN-18690A (18-deoxyherboxidiene) targets SF3b, a spliceosome component, and inhibits angiogenesis. Journal of Antibiotics, 2016, 69, 121-123.	2.0	6
149	Visualizing the Adenylation Activities and Proteinâ€“Protein Interactions of Aryl Acid Adenylating Enzymes. ChemBioChem, 2017, 18, 2199-2204.	2.6	6
150	Total synthesis of verucopeptin, an inhibitor of hypoxia-inducible factor 1 (HIF-1). Chemical Communications, 2019, 55, 11956-11959.	4.1	6
151	Total synthesis of thioamycolamide A via a biomimetic route. Organic and Biomolecular Chemistry, 2020, 18, 8366-8370.	2.8	6
152	Serine catabolism produces ROS, sensitizes cells to actin dysfunction, and suppresses cell growth in fission yeast. Journal of Antibiotics, 2020, 73, 574-580.	2.0	6
153	Total Synthesis and Antimicrobial Activity of Tumescenamide C and Its Derivatives. Journal of Organic Chemistry, 2020, 85, 4530-4535.	3.2	6
154	The effects of 5â€OPâ€RU stereochemistry on its stability and MAITâ€MR1 axis. ChemBioChem, 2021, 22, 672-678.	2.6	6
155	Highly Sensitive Determination of Amino Acids by LC-MS under Neutral Conditions. Chemical and Pharmaceutical Bulletin, 2021, 69, 265-270.	1.3	6
156	Identification and Total Synthesis of an Unstable Anticancer Macrolide Presaccharothriolide Z Produced by Saccharothrix sp. A1506. Organic Letters, 2021, 23, 7106-7111.	4.6	6
157	Design, synthesis, and target identification of new hypoxia-inducible factor 1 (HIF-1) inhibitors containing 1-alkyl-1H-pyrazole-3-carboxamide moiety. Bioorganic and Medicinal Chemistry, 2021, 46, 116375.	3.0	6
158	Structureâ€“activity relationship of phosmidosine: importance of the 7,8-dihydro-8-oxoadenosine residue for antitumor activity. Bioorganic and Medicinal Chemistry, 2004, 12, 5193-5201.	3.0	5
159	Genomic and Targeted Approaches Unveil the Cell Membrane as a Major Target of the Antifungal Cytotoxin Amantelide A. ChemBioChem, 2021, 22, 1790-1799.	2.6	5
160	Retro-aza-Michael reaction of an o-aminophenol adduct in protic solvents inspired by natural products. Bioorganic and Medicinal Chemistry, 2021, 35, 116059.	3.0	5
161	Separation and identification of the dl-forms of short-chain peptides using a new chiral resolution labeling reagent. Analytical and Bioanalytical Chemistry, 2022, 414, 4039-4046.	3.7	5
162	Synthesis and Biological Properties of New Phosmidosine Analogs Having an N-Acylsulfamate Linkage. Nucleosides, Nucleotides and Nucleic Acids, 2006, 25, 647-654.	1.1	4

#	Article	IF	Citations
163	In Vivo Linking of Membrane Lipids and the Anion Transporter Band 3 with Thiourea-modified Amphiphilic Lipid Probes. Scientific Reports, 2015, 5, 17427.	3.3	4
164	Toward the Creation of Induced Pluripotent Small (iPS) Molecules: Establishment of a Modular Synthetic Strategy for the Heronamide C-type Polyene Macrolactams and Their Conformational and Reactivity Analysis. Journal of Organic Chemistry, 2021, 86, 16231-16248.	3.2	4
165	Developing crosslinkers specific for epimerization domain in NRPS initiation modules to evaluate mechanism. RSC Chemical Biology, 2022, 3, 312-319.	4.1	4
166	Biochemical Preparation of Optically Active 4-Hydroxy-Î²-ionone and Its Transformation to (S)-6-Hydroxy-Î±-ionone. Agricultural and Biological Chemistry, 1991, 55, 1873-1876.	0.3	3
167	Isolation, Structure Elucidation, and Conformational Regulation of Myropeptins, Lipopeptides from the Fungus Myrothecium roridum. Organic Letters, 2019, 21, 7524-7528.	4.6	3
168	Miclxin, a Novel MIC60 Inhibitor, Induces Apoptosis via Mitochondrial Stress in Î²-Catenin Mutant Tumor Cells. ACS Chemical Biology, 2020, 15, 2195-2204.	3.4	3
169	Application of the highly sensitive labeling reagent to the structural confirmation of readily isomerizable peptides. Journal of Natural Medicines, 2021, 75, 339-343.	2.3	3
170	Inhibition of efflux pumps aids small-molecule probe-based fluorescence labeling and imaging in the Gram-negative bacterium Escherichia coli. Organic and Biomolecular Chemistry, 2021, 19, 8906-8911.	2.8	3
171	Development and application of highly sensitive labeling reagents for amino acids. Methods in Enzymology, 2022, 665, 105-133.	1.0	3
172	Preparation of Optically Active Î±-Hydroxy Acid Derivatives by Microbial Hydrolysis of Cyanohydrins and Its Application to the Synthesis of (R)-4-Dodeeanolide. Agricultural and Biological Chemistry, 1991, 55, 1877-1881.	0.3	2
173	A Chemoproteomics Approach to Investigate Phosphopantetheine Transferase Activity at the Cellular Level. ChemBioChem, 2017, 18, 1855-1862.	2.6	2
174	Activity-Based Protein Profiling of Non-ribosomal Peptide Synthetases. Current Topics in Microbiology and Immunology, 2018, 420, 321-349.	1.1	2
175	An Atypical Arginine Dihydrolase Involved in the Biosynthesis of Cyclic Hexapeptide Longicatenamides. Chemistry - an Asian Journal, 2021, 16, 1382-1387.	3.3	2
176	Affinity Purification Method for the Identification of Nonribosomal Peptide Biosynthetic Enzymes Using a Synthetic Probe for Adenylation Domains. Methods in Molecular Biology, 2016, 1401, 63-76.	0.9	2
177	Novel Natural Products Open the Door of Chemical Biology and Medicinal Chemistry. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2010, 68, 490-500.	0.1	2
178	Design, Synthesis, and Antifungal Activity of 16,17-Dihydroheronamide C and ent-Heronamide C. Journal of Organic Chemistry, 2021, 86, 16249-16258.	3.2	2
179	Chemical Interactions of Cryptic Actinomycete Metabolite 5â€Alkylâ€1,2,3,4â€tetrahydroquinolines through Aggregate Formation. Angewandte Chemie, 2019, 131, 13620-13625.	2.0	1
180	Precious Microorganisms as Productive Resources: Marine-Derived Microorganisms and Combined-Culture. , 2020, , 430-456.		1

#	Article	IF	Citations
181	Exploitation of Anticancer Compounds from Marine Microbes. Nippon Nogeikagaku Kaishi, 1997, 71, 512-515.	0.0	0
182	ç´°èƒžã®ç”Ÿæ»ã,'åˆ¶å¾¡ã™ã,‹å©ç„¶æœ‰æ©Ÿåˆç‰©ã,'åˆ©ç”¨ã•ã¥åŒ–å¦ç‰©è³ªç„¡æ©Ÿ. Nippon Nogeikagaku Kaishi,		
183	Structureâ€"Activity Relationships of Epolactaene Derivatives: Structural Requirements for Inhibition of Hsp60 Chaperone Activity.. ChemInform, 2004, 35, no.	0.0	0
184	Discovery Scienceã«é:..ã›ã,‰ã,Œã¦. Kagaku To Seibutsu, 2018, 56, 210-216.	0.0	0